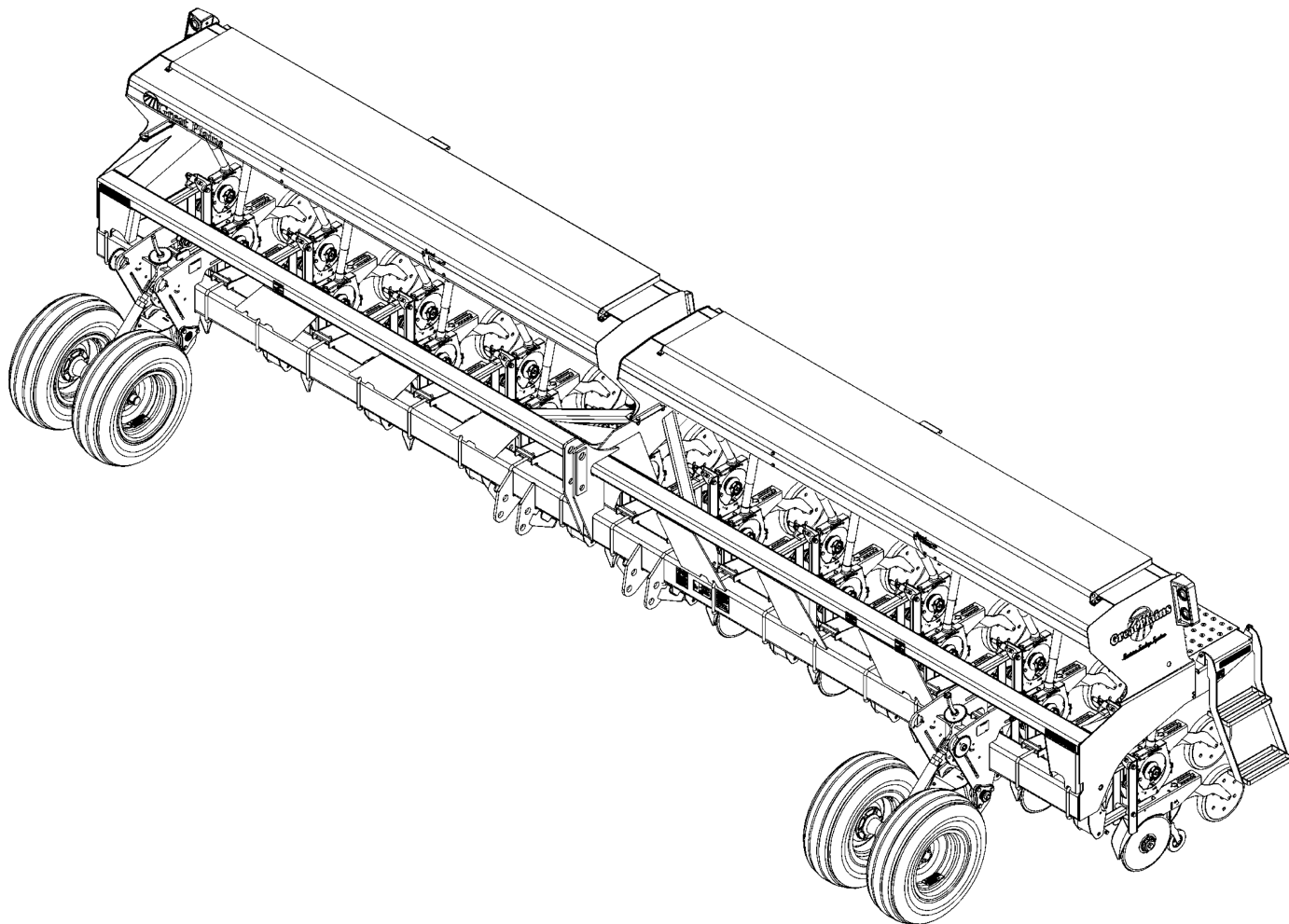


Great Plains

Box Drill

PARTS MANUAL

2410P & 2420P Precision Seeding System



Original Instructions

118-769P



Read the Operator's Manual entirely. When you see this symbol, the subsequent instructions and warnings are serious - follow without exception. Your life and the lives of others depend on it!

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Cover photo may show optional equipment not supplied with standard unit.



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General Information

Using This Manual

This manual is divided into sections. The first section contains General Information, a Table of Contents, an Alphabetical Page Index, and a Part Number Index. The remaining sections divide the machine into segments (i.e. Frames, Drives, Hydraulics, etc.) which illustrate and list all parts.

The Great Plains parts in this manual are specially designed for this machine and should be replaced with Great Plains parts only.

The information in this manual is current at printing. Some parts may change to assure top performance.

Right-hand and left-hand as used in this manual are determined by facing the direction the machine will travel while in use.

Below is an example of two facing pages from a parts manual. Familiarize yourself with the contents of these pages.

Manual Replacement Information

Replacement manuals are available. Refer to your dealer or the Great Plains Publications Catalog for additional information.

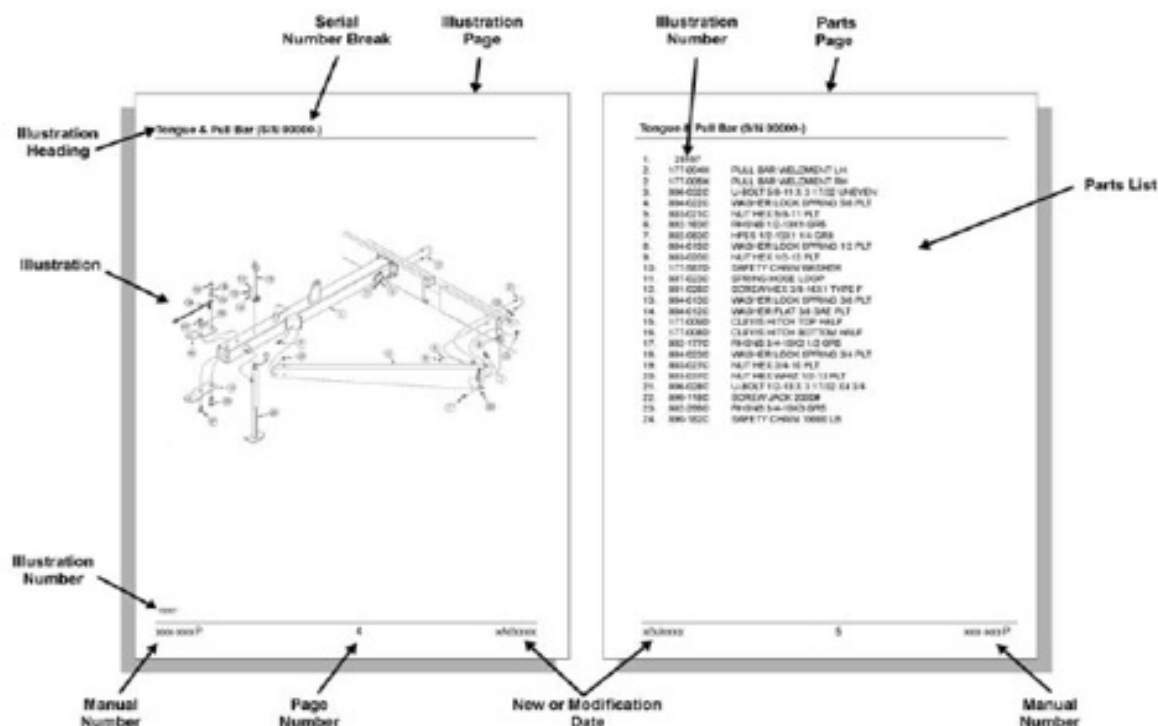
Manual Revisions

When this manual is revised, the modification date is printed on the front cover and on the revised page(s).

Touch-up Paint

Repaint parts where paint is worn or scratched to prevent rust. Aerosol touch-up paint is available. To order use Great Plains parts numbers below:

GP Green	821-001C
GP Black	821-002C
GP Beige	821-003C
GP Buckskin	821-004C



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General Information

Hardware Legend

AR	As Required
BLADE	Blade Bolt
C	Cap Screw
CP	Cotter Pin
CPHSSS	Cup Point Hex Socket Set Screw
CPSHSS	Cup Point Square Head Set Screw
CPSQHSS	Cup Point Square Head Set Screw
CRFCHMS3	Cross Recess Flat Countersunk Head Machine Screw
CRPHMS	Cross Recess Pan Head Machine Screw
CRPHTF	Cross Recess Pan Head Thread Forming
CRRHMS	Cross Recess Round Head Machine Screw
CRTHMS	Cross Recess Truss Head Machine Screw
CSNB	Countersunk Square Neck Bolt
FHMS	Flat Head Machine Screw
FTC	Full Thread Cap Screw
H	Hex Nut
HCLN	Hex Center Lock Nut
HFLCS	Hex Flange Lock Cap Screw
HFS	Hex Flange Screw
HFSLN	Hex Flange Serrated Lock Nut
HFSS	Hex Flange Serrated Screw
HHCS	Hex Head Cap Screw or Metric Bolt
HSBHCS	Hex Socket Button Head Cap Screw
HSFCHCS	Hex Socket Flat Countersunk Head Cap Screw
HSCHS	Hex Socket Head Cap Screw
HSSS	Hex Socket Head Screw
HTLN	Hex Top Lock Nut
HWHCS	Hex Washer Head Cap Screw

HWHMS	Hex Washer Head Machine Screw
HXBHCS	Hex Socket Button Head Cap Screw
J	Hex Jam Nut
JIC	37 Degree Tapered Thread
L	Helical Spring Lock Washer
LUG	Lug Bolt
NFC	National Fine Cap Screw
NPSM	National Pipe Straight Mechanical
NPTF	National Pipe Taper Fuel
P	Wide Plain Washer
PHMS	Pan Head Machine Screw
PLOW	Plow Bolt
RHMS	Round Head Machine Screw
RHSNB	Round Head Square Neck Bolt
SCREW LEVELING	Leveling Screw
SCREW THUMB	Thumb Screw
SCREW WELD	Weld Screw
SFCHMS	Slotted Flat Countersunk Head Machine Screw
SFHMS	Slotted Fillister Head Machine Screw
SP	Special
SP SCREW	Special Screw
SQHSS	Square Head Set Screw
SRHMS	Slotted Round Head Machine Screw
SSS	Socket Set Screw
STCS	Self Tapping Cap Screw
STHMS	Slotted Truss Head Machine Screw
WHEEL	Wheel Studs and Hub Long Bolts
WING	Wing Bolt

Replacement Hardware

The **Hardware Legend** above lists hardware abbreviations used in the parts list. All bolts and nuts are Grade 5 unless otherwise noted. The use of improper grades of hardware can result in personal injury, damage to equipment, or loss of property.

Part Number Service Coding

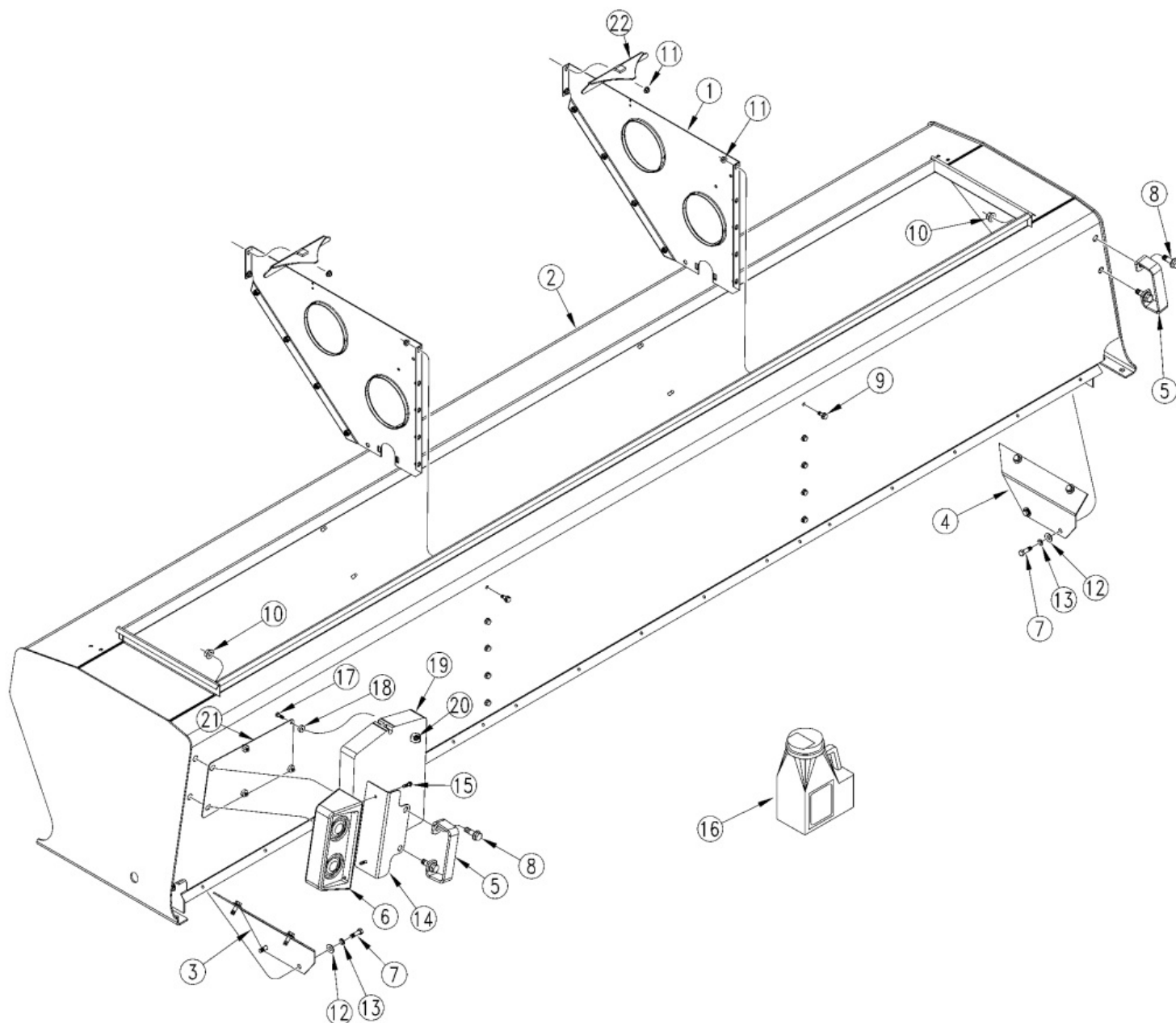
Within the parts list some part numbers are coded for revisions and interchangeability. See notations in revision column.

Serial Numbers

Always use the serial and model number when ordering parts. Refer to the Operator's Manual for serial number plate location.

(S/N 20001+)	Includes serial numbers 20001 and above (to the latest number)
(S/N 10001 to 20000)	Includes serial numbers between and including 10001 and 20000
(S/N 10000-)	Includes serial numbers 10000 and below (to the earliest number)

Applies to Models: 2410P, 2420P

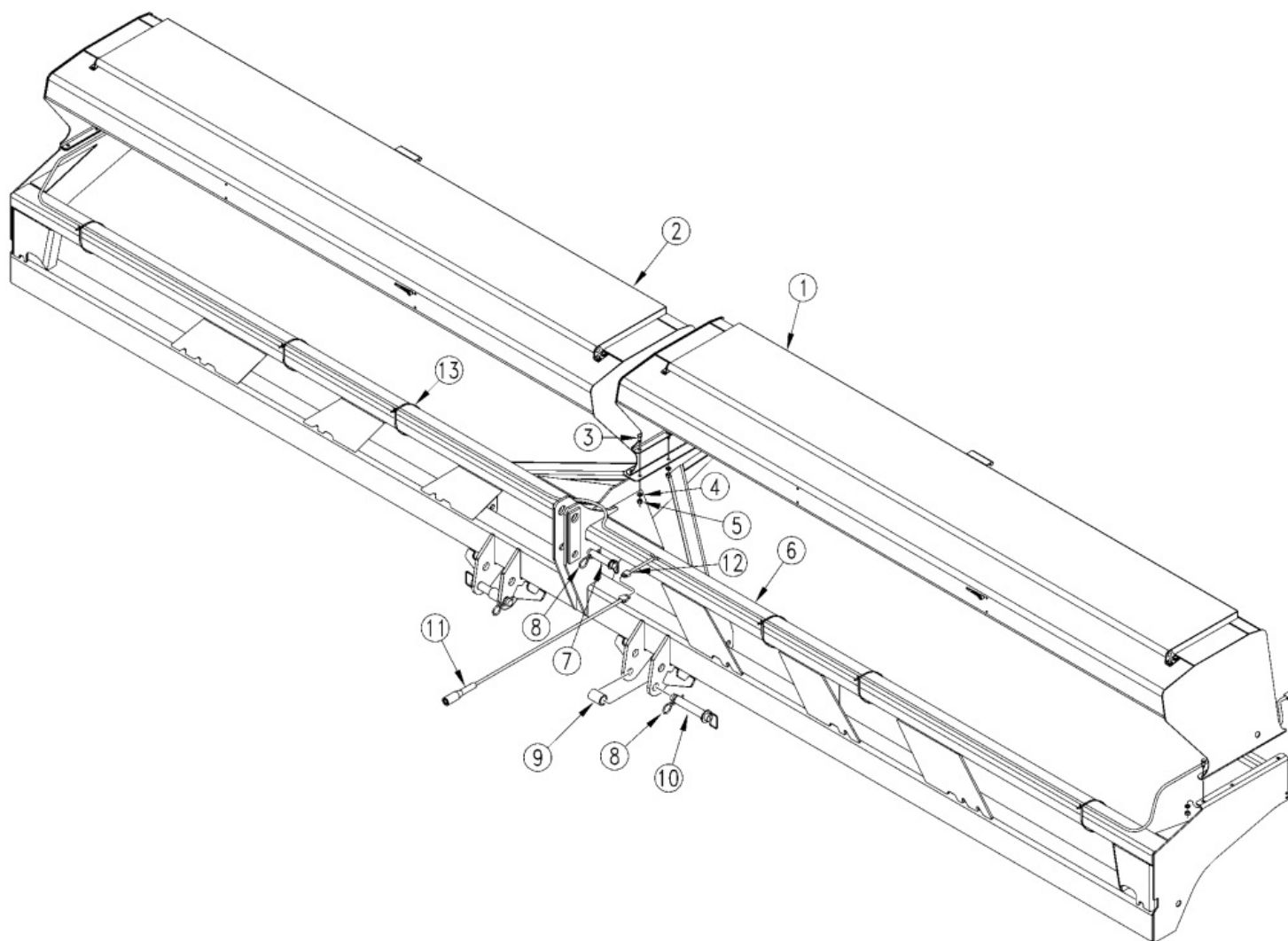


Box Components

Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG19185	Image No.	
1	118-402D	SEED BOX PARTITION	
2	118-415H	12' SEED BOX	
3	118-486D	SEED BOX IDLER COVER LH	
4	118-487D	SEED BOX IDLER COVER RH	
5	119-190D	HANDLE	
6	890-311C	DUAL AG LIGHTS LH	Shown
6	890-312C	DUAL AG LIGHTS RH	
7	802-079C	HHCS 3/8-16X1 1/4 GR5	
8	802-203C	HFSS 1/2-13X1 1/2 GR5	
9	802-387C	HFS 5/16-18X3/4 GR5	
10	803-169C	NUT HEX FLG LOCK 1/2-13 PLT	
11	803-199C	NUT HEX FLANGE 5/16-18 PLT	
12	804-011C	WASHER FLAT 3/8 USS PLT	
13	804-013C	WASHER LOCK SPRING 3/8 PLT	
14	150-138D	12' EWNT LIGHT BRACKET	
15	801-151C	SCR HEX SELF TAP 1/4-20X1TYPEF	
16	821-048C	OB RPBY BY 821-069C	
16	821-069C	EZEE-GLIDE PLUS LUBRICANT-5GAL	
17	802-004C	HHCS 1/4-20X3/4 GR5	
18	817-042C	MINI END WHEEL PRESS WHEEL	
19	817-516C	MANUAL PAK 1" W/ GASKET	
20	803-293C	NUT HEX FLANGE LOCK 1/4-20 PLT	
21	248-251D	MANUAL PAK MOUNTING PLATE	
22	118-052H	BOX PARTITION UPPER PAD	

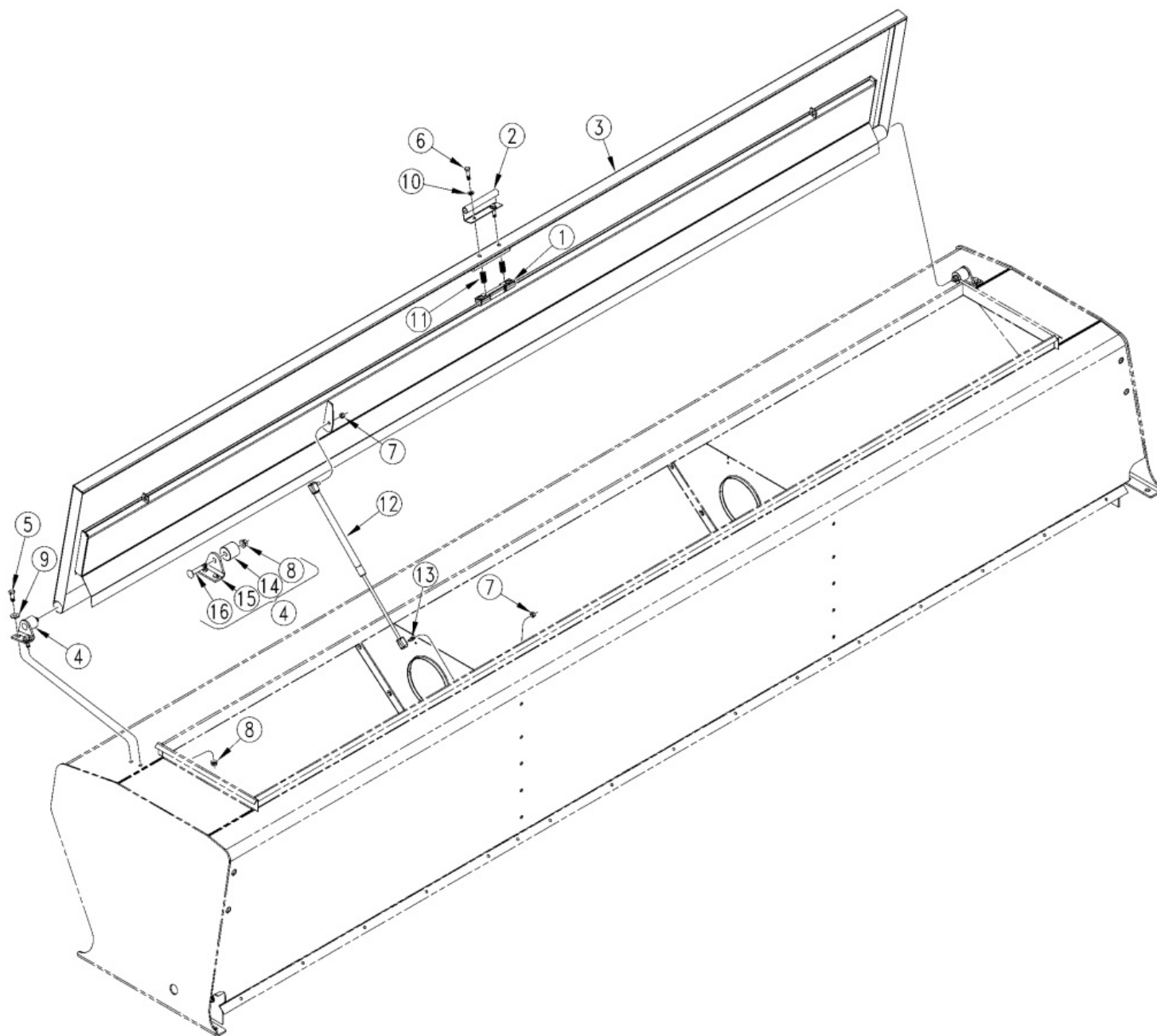
Applies to Models: 2410P, 2420P



Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG19184	Image No.	
1	118-704L	LH 24' BOX AND LID ASSY	
2	118-705L	RH 24' BOX AND LID ASSY	
3	802-034C	HHCS 1/2-13X1 1/4 GR5	
4	804-015C	WASHER LOCK SPRING 1/2 PLT	
5	803-020C	NUT HEX 1/2-13 PLT	
6	117-062H	FRAME, 3PT 24-P	
7	805-119C	PIN HITCH 1 1/4 X 4 1/2	
8	805-167C	PIN HAIR COTTER .243 WIRE PLT	
9	148-059D	3-PT SIDE PLAY BUSHING	
10	805-168C	PIN HITCH 1 7/16 X 8 3/8 PLT	
11	890-640C	LIGHT HARNESS, 5' LEAD	
12	890-648C	LIGHT HARNESS, 15' WISHBONE	
13	800-060C	CABLE TIE .19X14.25 3DIA 50LB	

Applies to Models: 2410P, 2420P

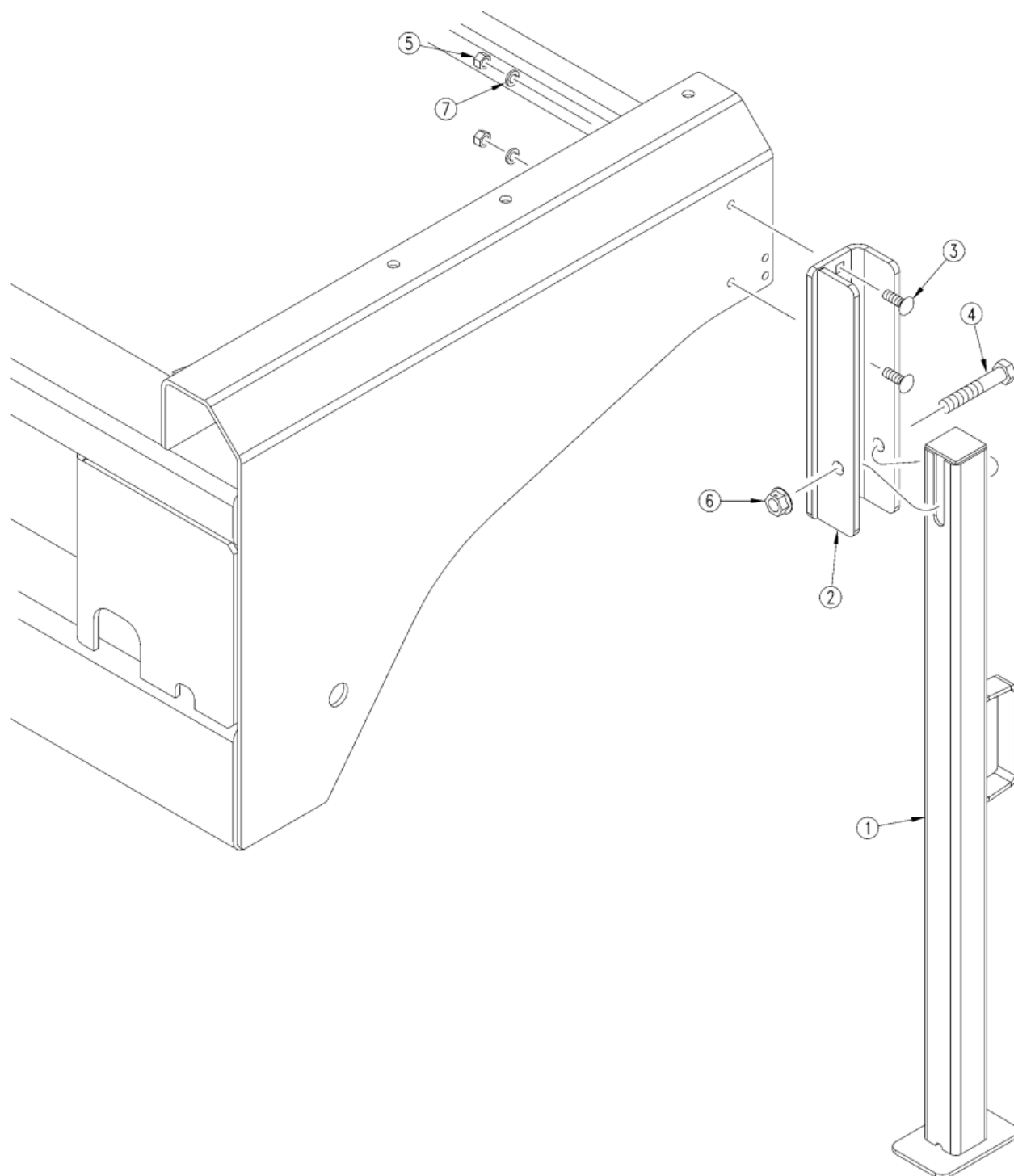


Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG19186	Image No.	
1	119-153D	RPBY 817-805C	
2	119-154D	LID HANDLE	
3	119-231H	LID 126 11/16 SEED	
4	313-076S	LID HINGE ASSEMBLY PS25120	
5	802-017C	HHCS 3/8-16X1 GR5	
6	802-425C	HHCS 5/16-18X1 1/4 NYL	
7	803-011C	NUT LOCK 5/16-18 PLT	
8	803-209C	NUT FLANGE LOCK 3/8-16 PLT	
9	804-011C	WASHER FLAT 3/8 USS PLT	
10	804-036C	WASHER FLAT 5/16 SAE PLT	
11	807-106C	SPRING .540 O.D.X 1 1/4 X.054W	
12	890-221C	12-20 X 90 LB GAS SPRING	
13	800-121C	BALL STUD 10MM X 5/16-18 X 1/2	
14	313-186D	LID HINGE PIVOT	(S/N FF1376-)
14	892-243C	LID HINGE PIVOT	(S/N FF1377+)
15	313-176D	LID HINGE BASE PLATE	
16	802-411C	RHSNB 3/8-16X2 GR5	

Rear Parking Stands

Applies to Models: 2410P, 2420P



Applies to Models: 2410P, 2420P

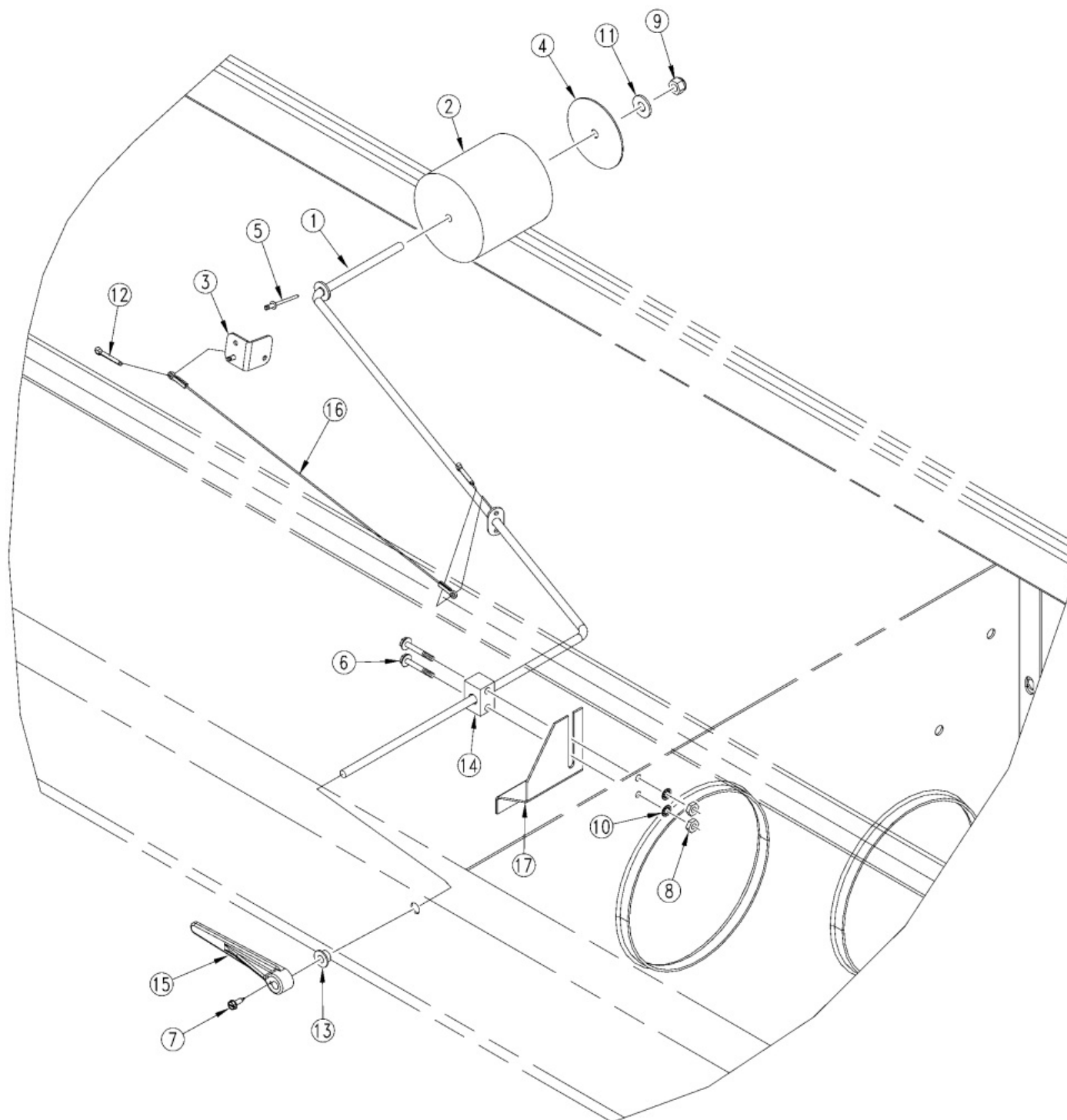
Ref.	Part No.	Part Description	Comments
	DWG29018	Image No.	
1	117-179H	PARKING STAND WLMT	
2	117-180H	PARKING STAND MNT WLMT	
3	802-106C	RHSNB 1/2-13X1 1/2 GR5	
4	802-697C	HHCS 3/4-10X4 1/4 SPTHD GR 8	
5	803-020C	NUT HEX 1/2-13 PLT	
6	803-181C	NUT HEX FLANGE LOCK 3/4-10 PLT	
7	804-015C	WASHER LOCK SPRING 1/2 PLT	

Great Plains

Seed Level Indicator

Box Assembly

Applies to Models: 2410P, 2420P



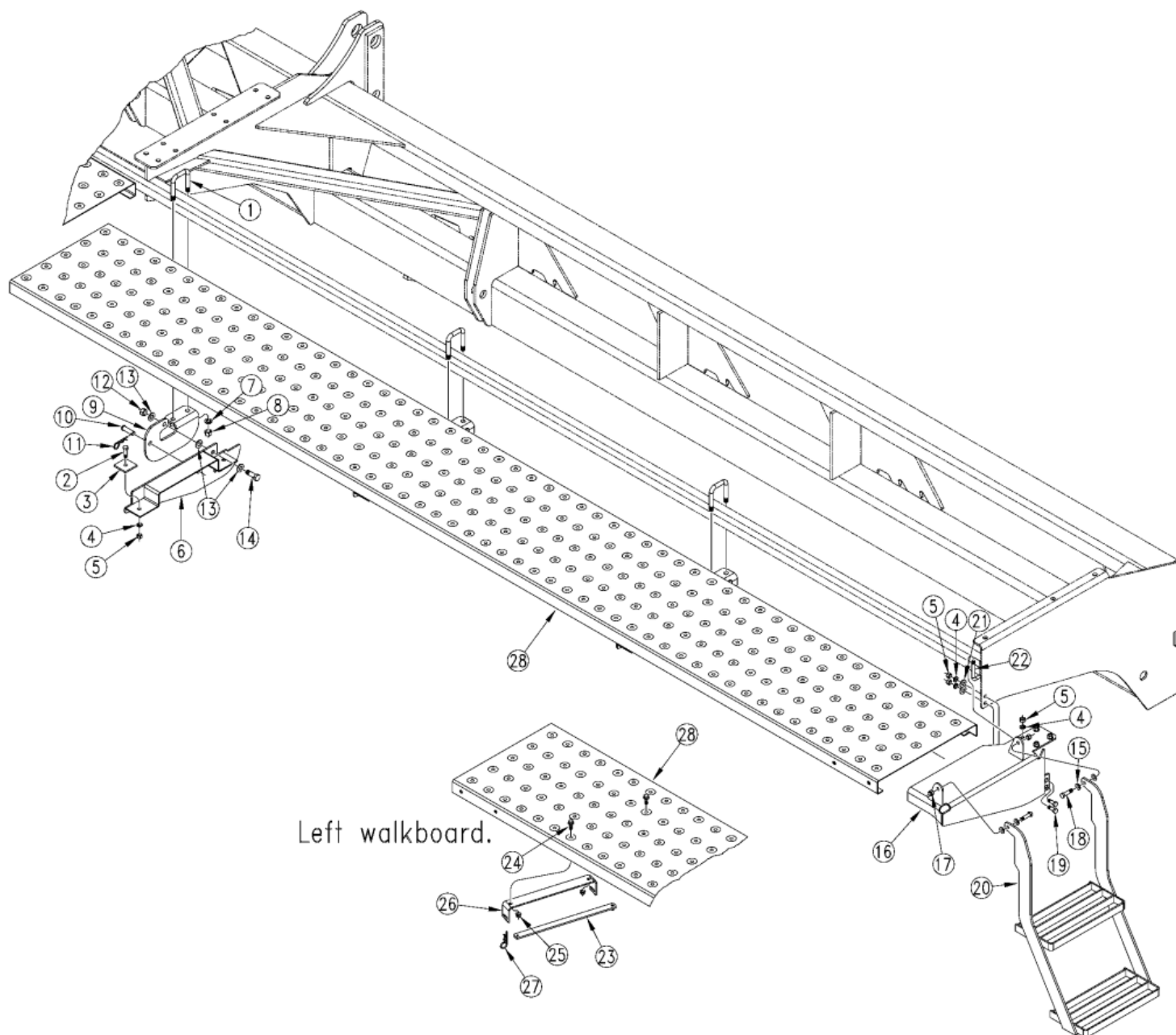
Seed Level Indicator

Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG19187	Image No.	
1	118-474H	SEED LEVEL ARM, 6 3/4R. TAB	
2	197-089D	FOAM FLOAT	
3	197-091D	SEED LEVEL CHAIN BRACKET	
4	197-096D	FOAM FLOAT WASHER	
5	800-101C	RIVET POP 1/8X.265LG FLG	
6	801-096C	HFS 10-24 X 1 1/8 PLTD	
7	801-154C	SCR HEX HD SHT MET #8 X 1/2	
8	803-001C	NUT HEX 10-24 PLT	
9	803-255C	NUT HEX NYLOCK 1/4-20	
10	804-004C	WASHER INTERNAL STAR #10 PLT	
11	804-075C	WASHER FLAT 1/4 USS PLT	
12	805-067C	PIN COTTER 1/8 X 3/4	
13	817-086C	SEED LEVEL BUSHING	
14	817-202C	SEED LEVEL ARM MOUNT	
15	817-350C	SEED LEVEL INDICATOR	
16	890-305C	CABLE 3/64 X 11 5/8 W/ EYELETS	
17	118-498D	SEED FLOAT DOWN FLOAT STOP	

Walkboard And Ladder (S/N FF1125-)

Applies to Models: 2410P, 2420P



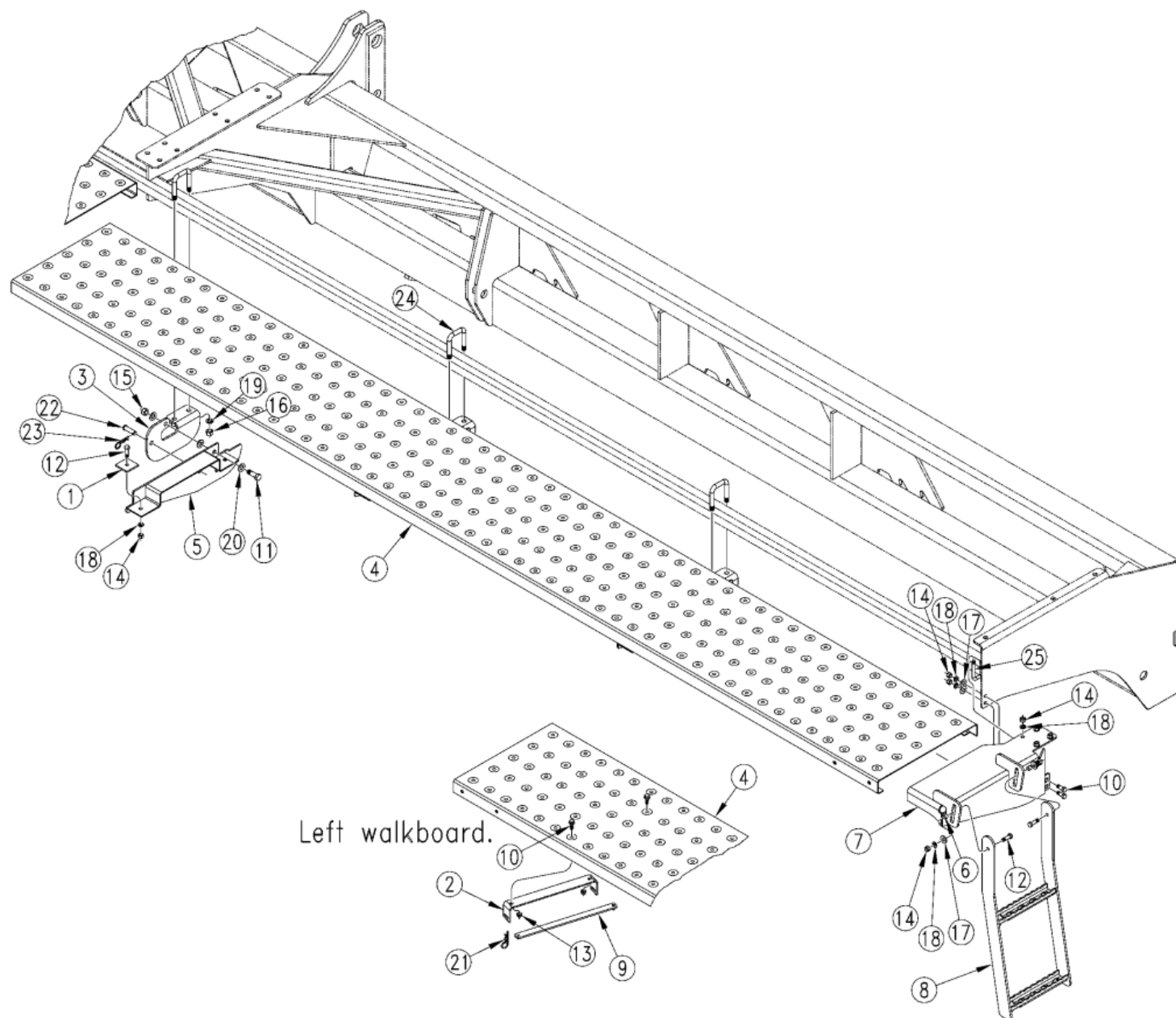
Walkboard And Ladder (S/N FF1125-)

Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG19188	Image No.	
1	806-005C	U-BOLT 1/2-13 X 2 X 3 GR 5	
2	802-079C	HHCS 3/8-16X1 1/4 GR5	
3	119-032D	3-PT STEP RETAINER	
4	804-013C	WASHER LOCK SPRING 3/8 PLT	
5	803-014C	NUT HEX 3/8-16 PLT	
6	119-277H	WALKBOARD HINGE WELDMENT	
7	804-015C	WASHER LOCK SPRING 1/2 PLT	
8	803-020C	NUT HEX 1/2-13 PLT	
9	119-254D	WALKBOARD PIVOT BASE	
10	805-127C	PIN CLEVIS 1/2 X 1 3/4	
11	805-143C	PIN HAIR COTTER .120 PLT	
12	803-019C	NUT LOCK 1/2-13 PLT	
13	804-016C	WASHER FLAT 1/2 SAE PLT	
14	802-091C	HHCS 1/2-13X1 1/2 GR5	
15	804-012C	WASHER FLAT 3/8 SAE PLT	
16	119-280H	WALKBOARD HINGED END MOUNT RH	
16	119-279H	WALKBOARD HINGED END MOUNT LH	
17	803-078C	NUT LOCK 3/8-16 NYLON INSERT	
18	802-022C	HHCS 3/8-16X1 1/2 GR5	
19	802-017C	HHCS 3/8-16X1 GR5	
20	173-109H	3PT BM LADDER WELDMENT	
21	804-011C	WASHER FLAT 3/8 USS PLT	
22	806-004C	U-BOLT 3/8-16 X 2 X 2 3/4	
23	198-810H	SPRING ADJ HANDLE WELDMENT	
24	802-017C	HHCS 3/8-16X1 GR5	
25	803-013C	NUT LOCK 3/8-16 PLT	
26	119-211D	OPENER HANDLE HOLDER	
27	805-032C	PIN HAIR COTTER .148 WIRE	
28	119-269D	WALKBOARD 17.25 X 140.0	

Walkboard And Ladder (S/N FF1157+)

Applies to Models: 2410P, 2420P



Walkboard And Ladder (S/N FF1157+)

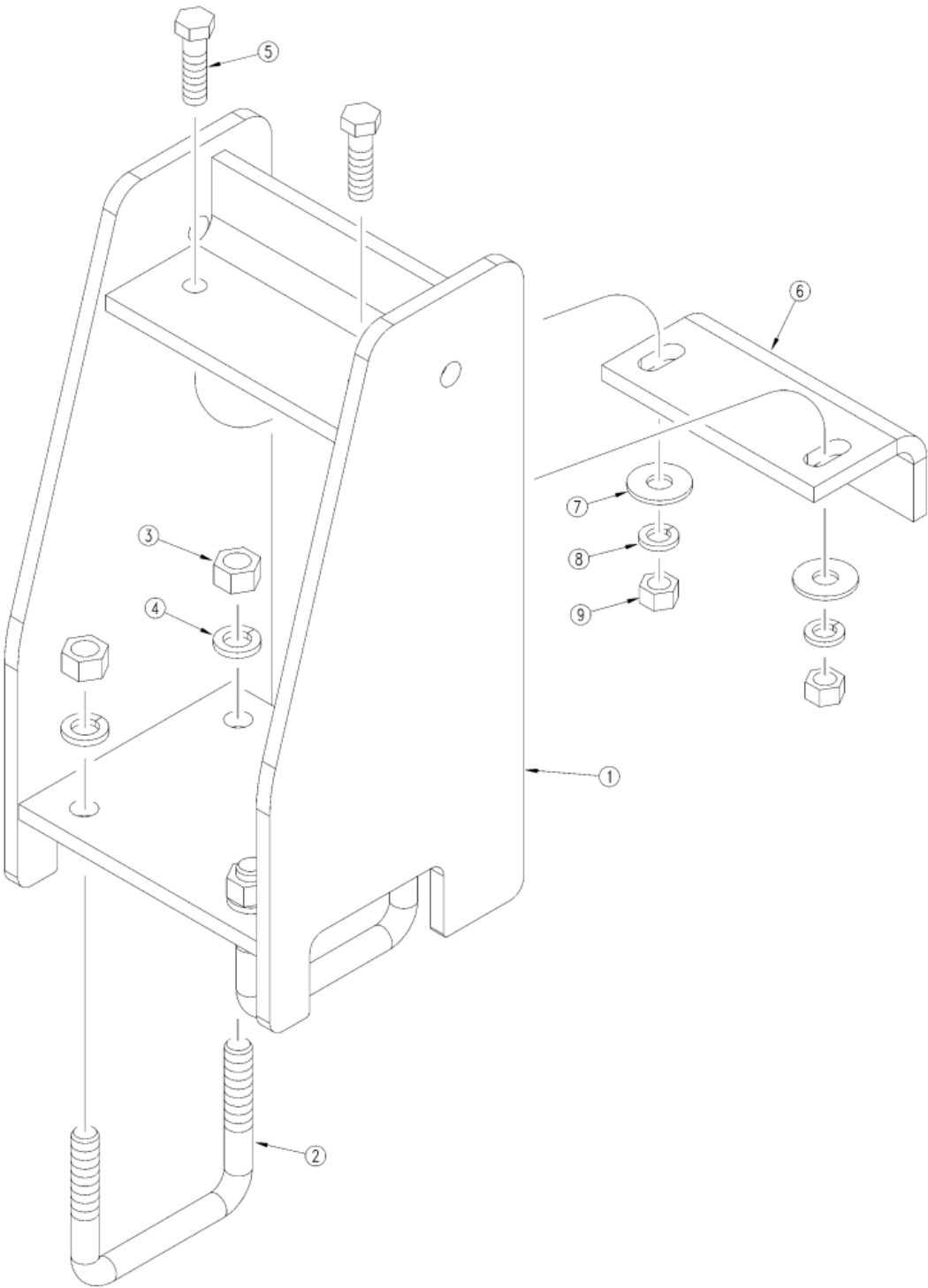
Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG19670	Image No.	
1	119-032D	3-PT STEP RETAINER	
2	119-211D	OPENER HANDLE HOLDER	
3	119-254D	WALKBOARD PIVOT BASE	
4	119-269D	WALKBOARD 17.25 X 140.0	
5	119-277H	WALKBOARD HINGE WELDMENT	
6	119-278D	WALKBOARD LADDER PIVOT BUSHING	
7	119-292H	WALKBOARD HINGED END MOUNT LH	
7	119-293H	WALKBOARD HINGED END MOUNT RH	
8	119-294H	3PT HINGED WALKBOARD LADDER	
9	198-810H	SPRING ADJ HANDLE WELDMENT	
10	802-017C	HHCS 3/8-16X1 GR5	
11	802-034C	HHCS 1/2-13X1 1/4 GR5	
12	802-079C	HHCS 3/8-16X1 1/4 GR5	
13	803-013C	NUT LOCK 3/8-16 PLT	
14	803-014C	NUT HEX 3/8-16 PLT	
15	803-019C	NUT LOCK 1/2-13 PLT	
16	803-020C	NUT HEX 1/2-13 PLT	
17	804-011C	WASHER FLAT 3/8 USS PLT	
18	804-013C	WASHER LOCK SPRING 3/8 PLT	
19	804-015C	WASHER LOCK SPRING 1/2 PLT	
20	804-016C	WASHER FLAT 1/2 SAE PLT	
21	805-032C	PIN HAIR COTTER .148 WIRE	
22	805-127C	PIN CLEVIS 1/2 X 1 3/4	
23	805-143C	PIN HAIR COTTER .120 PLT	
24	806-005C	U-BOLT 1/2-13 X 2 X 3 GR 5	
25	806-166C	U-BOLT 3/8-16 X 2 1/32 X 3	

Great Plains
Weight Bracket

Box Assembly

Applies to Models: 2410P, 2420P



Applies to Models: 2410P, 2420P

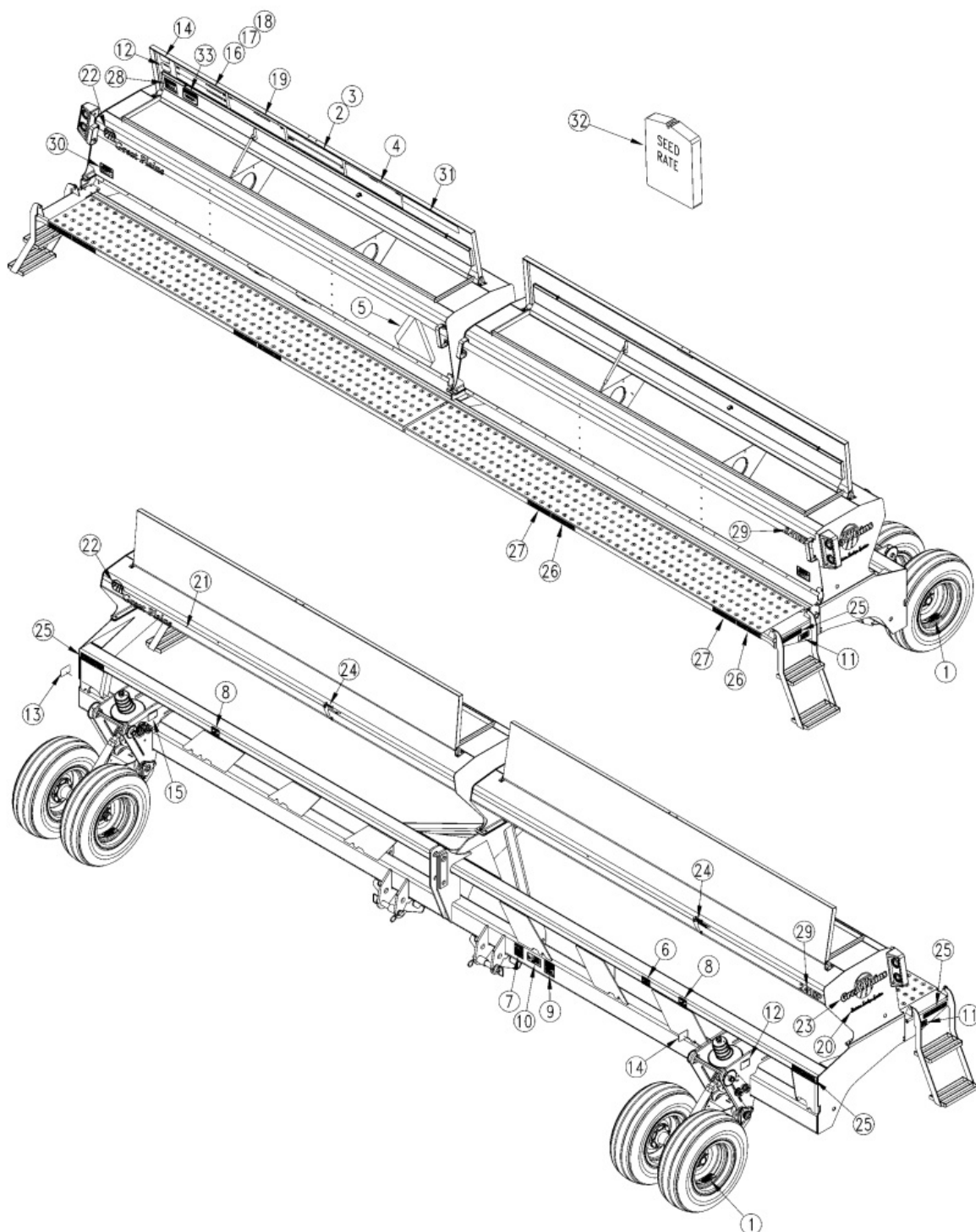
Ref.	Part No.	Part Description	Comments
	DWG24413	Image No.	
1	118-068H	WEIGHT BRACKET WELDMENT	
2	806-203C	U-BOLT 3/4-10 X 5 1/32 X 4 1/2	
3	803-027C	NUT HEX 3/4-10 PLT	
4	804-023C	WASHER LOCK SPRING 3/4 PLT	
5	802-057C	HHCS 5/8-11X2 1/4 GR5	
6	197-062D	WEIGHT BRACKET ADJ LEG	
7	804-019C	WASHER FLAT 5/8 USS PLT	
8	804-022C	WASHER LOCK SPRING 5/8 PLT	
9	803-021C	NUT HEX 5/8-11 PLT	

Great Plains

Decal Placement

Decals

Applies to Models: 2410P, 2420P



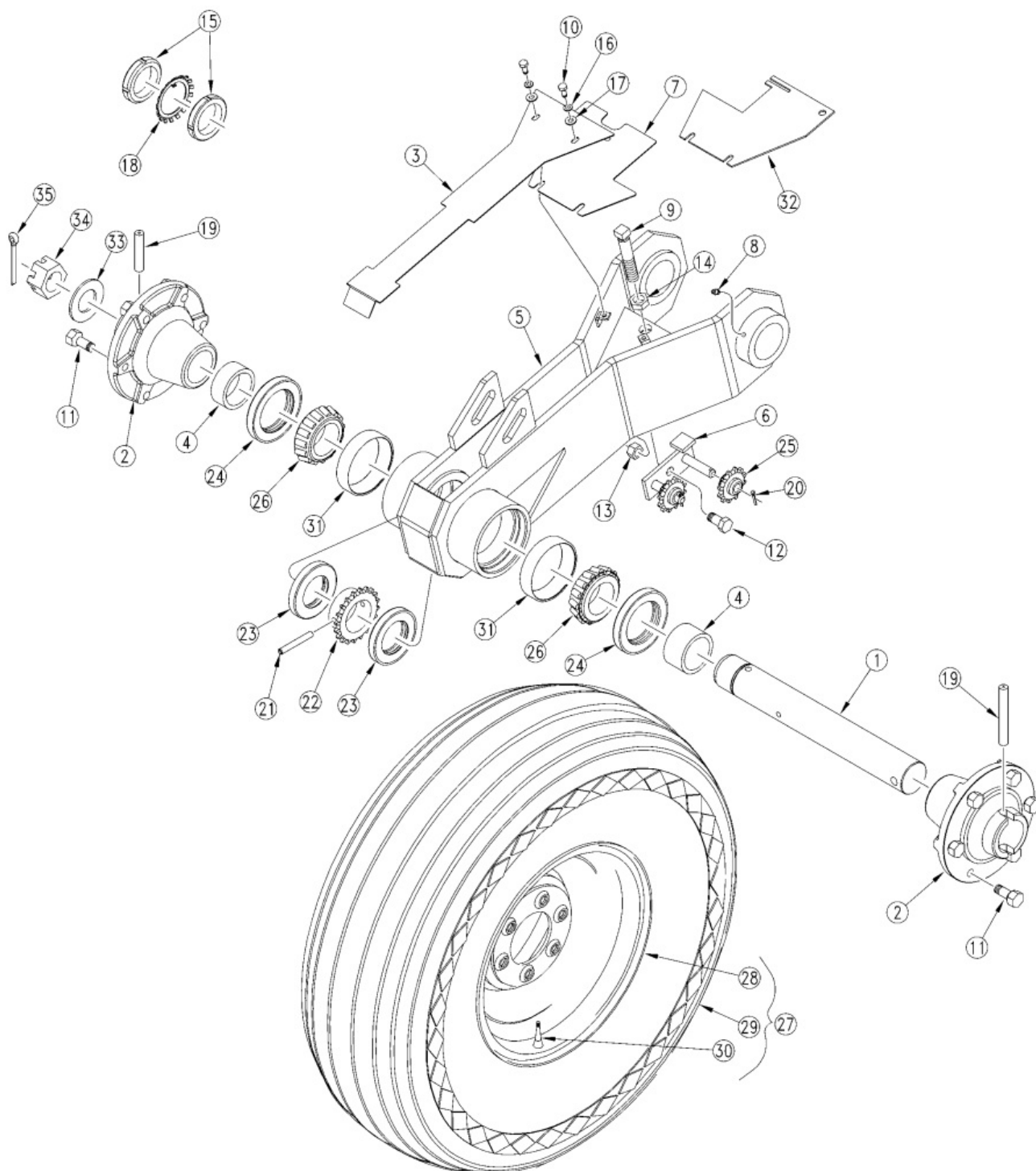
Decal Placement

Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG19200	Image No.	
1	818-855C	DECAL CAUTION TIRE 36 PSI	
2	838-144C	RPBY 118-960B	
3	838-145C	RPBY 118-960B	S/N FF1185- (Wheel # 403-107V)
4	838-149C	RPBY 118-960B	
5	818-003C	DECAL SLOW MOVING VEHICLE	
6	818-337C	DECAL WARNING 20 MPH TRANS SML	
7	818-339C	DECAL WARNING HIGH PRESSUR SML	
8	818-398C	DECAL CAUTION TIRES NOT A STEP	
9	818-587C	DECAL CAUTION OPERATIONAL MACH	
10	818-590C	DECAL DANGER CRUSH TRCTR & 3PT	
11	838-102C	DECAL WARNING FALLING HAZARD	
12	838-122C	DECAL 15&20-P RANGE SPKTS LH	
13	838-123C	DECAL 15&20-P RANGE SPKTS RH	
14	838-124C	DECAL 15&20-P TRANSM SPKTS LH	
15	838-125C	DECAL 15&20-P TRANSM SPKTS RH	
16	838-140C	RPBY 118-960B	
17	838-141C	RPBY 118-960B	
18	838-142C	DECAL SDRT 20P24P SOY2200-4000	
19	838-143C	RPBY 118-960B	
20	838-157C	DECAL SCRIPT PREC SEED SYSTEM	
21	838-160C	DECAL 3 COLOR STRIPE 2.50 WIDE	
22	838-161C	DECAL LOGO&GP F/STRIPE 4 X 24	
23	838-228C	RPBY 848-909C	
24	838-237C	DECAL SEED LEVEL LH	
25	838-265C	DECAL REFLECTOR AMBER 1 1/2X9	
26	838-266C	DECAL REFLECTOR RED 1 1/2X9	
27	838-267C	DECAL REFLECTR DAYTIME 1 1/2X9	
28	838-822C	DECAL TALC LUBRICANT YP	
29	838-189C	DECAL 2420 P	
29	838-247C	DECAL 2410 P	
30	838-400C	DECAL NOTICE SEED TUBES	
31	838-453C	RPBY 118-960B	S/N FF1186+ (Wheel # 403-089D)
32	817-516C	MANUAL PAK 1" W/ GASKET	
33	838-617C	DECAL NOTICE 4-MIL DISC BLADES	

Dual Gauge Wheel (S/N FF1211-)

Applies to Models: 2410P, 2420P



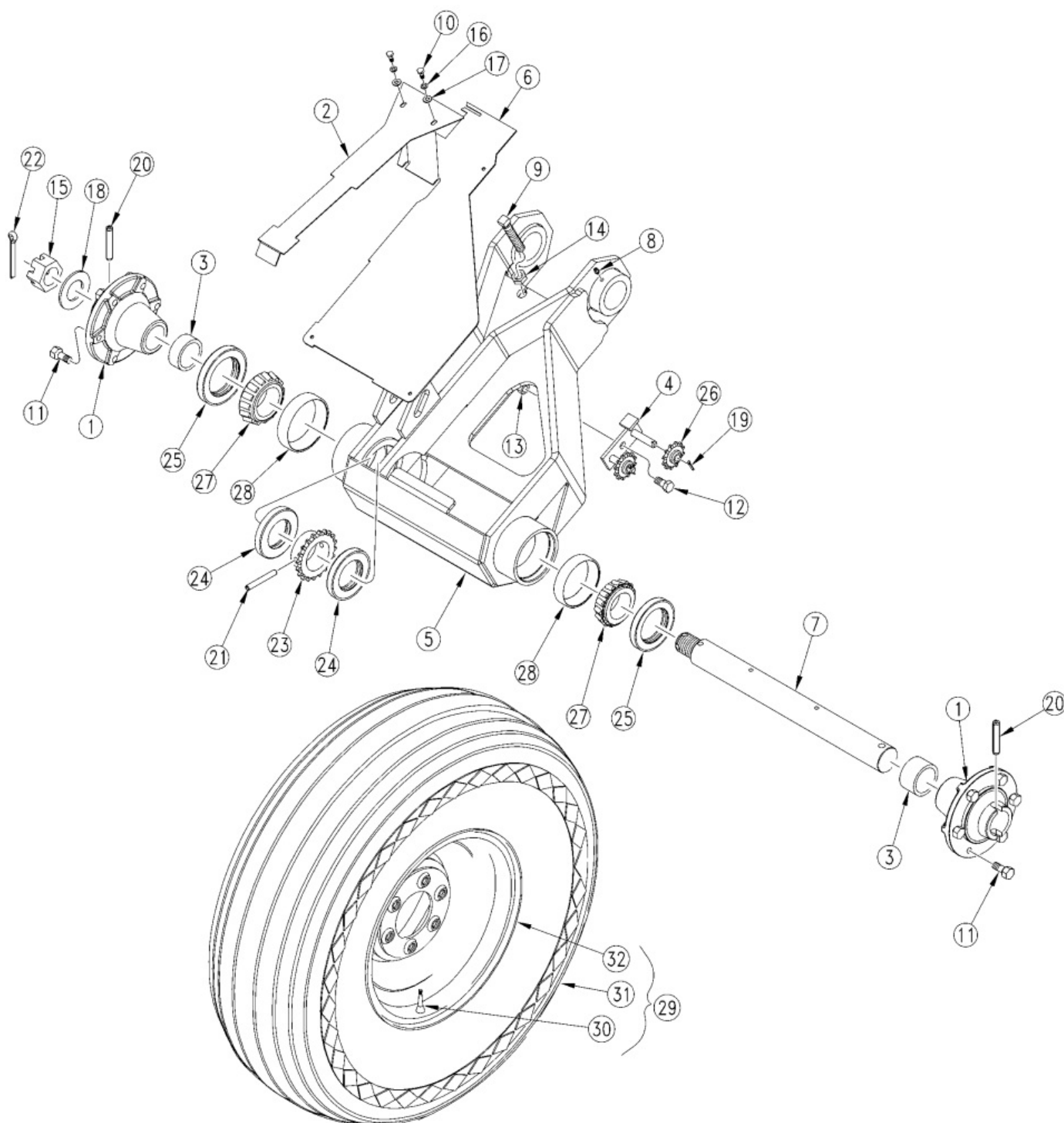
Dual Gauge Wheel (S/N FF1211-)

Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG18373	Image No.	
1	120-192D	RPBY 120-315A	
2	120-195D	HUB 6-BOLT 2 BORE 4.62 PILOT	
3	120-197D	GAUGE WHEEL ARM CHAIN GUARD	
4	120-198D	AXLE SPACER TUBE	
5	120-208H	GAUGE WHEEL ARM	
6	120-212H	TWO PIN IDLER WELDMENT	
7	120-230D	G.W. ARM EXTENDED CHAIN GUARD	RH Gauge Wheel
8	800-001C	GREASE ZERK STRAIGHT 1/4-28	
9	801-059C	SCREW SQ HD 5/8-11X3 1/2 GR5	
10	802-078C	HHCS 1/4-20X5/8 GR5	
11	802-104C	BOLT WHEEL 1/2-20X1 90-DEG	
12	802-258C	HHCS 1/2-13X1 GR5	
13	803-019C	NUT LOCK 1/2-13 PLT	
14	803-023C	NUT HEX JAM 5/8-11 PLT	
15	803-208C	NUT BRG LOCK, TN-10	
16	804-006C	WASHER LOCK SPRING 1/4 PLT	
17	804-007C	WASHER FLAT 1/4 SAE PLT	
18	804-098C	WASHER BRG LOCK, TW110	
19	805-098C	PIN SPIROL 1/2 X 2 3/4	
20	805-067C	PIN COTTER 1/8 X 3/4	
21	805-125C	PIN ROLL 5/16 X 2 1/2 PLT	
22	808-275C	SPKT 40B27X2B W/5/16 HOLE	
23	816-012C	SEAL 3.375 X 2.0 X.438 CR20125	
24	816-138C	SEAL DBL LIP 2.5 ID X 3.881 OD	
25	817-025C	NO. 40 12T IDLER SPKT.	
26	822-117C	BRG CONE 2.00ID TIM33889	
27	197-148K	TITAN TIRE 11L-15 8 PLY 6 BLT	
28	814-008C	WHEEL 8 X 15 X 6 BOLT	
29	814-178C	TIRE TITAN 11L-15 X 8 PLY	
30	816-035C	VALVE STEM TR415X.625X1 1/4 LG	
31	822-118C	BRG CUP 3.75OD TIM33821	
32	120-312D	GW EXTENDED CHAIN GUARD,SENSOR	LH Gauge Wheel

Dual Gauge Wheel (S/N FF1212+)

Applies to Models: 2410P, 2420P

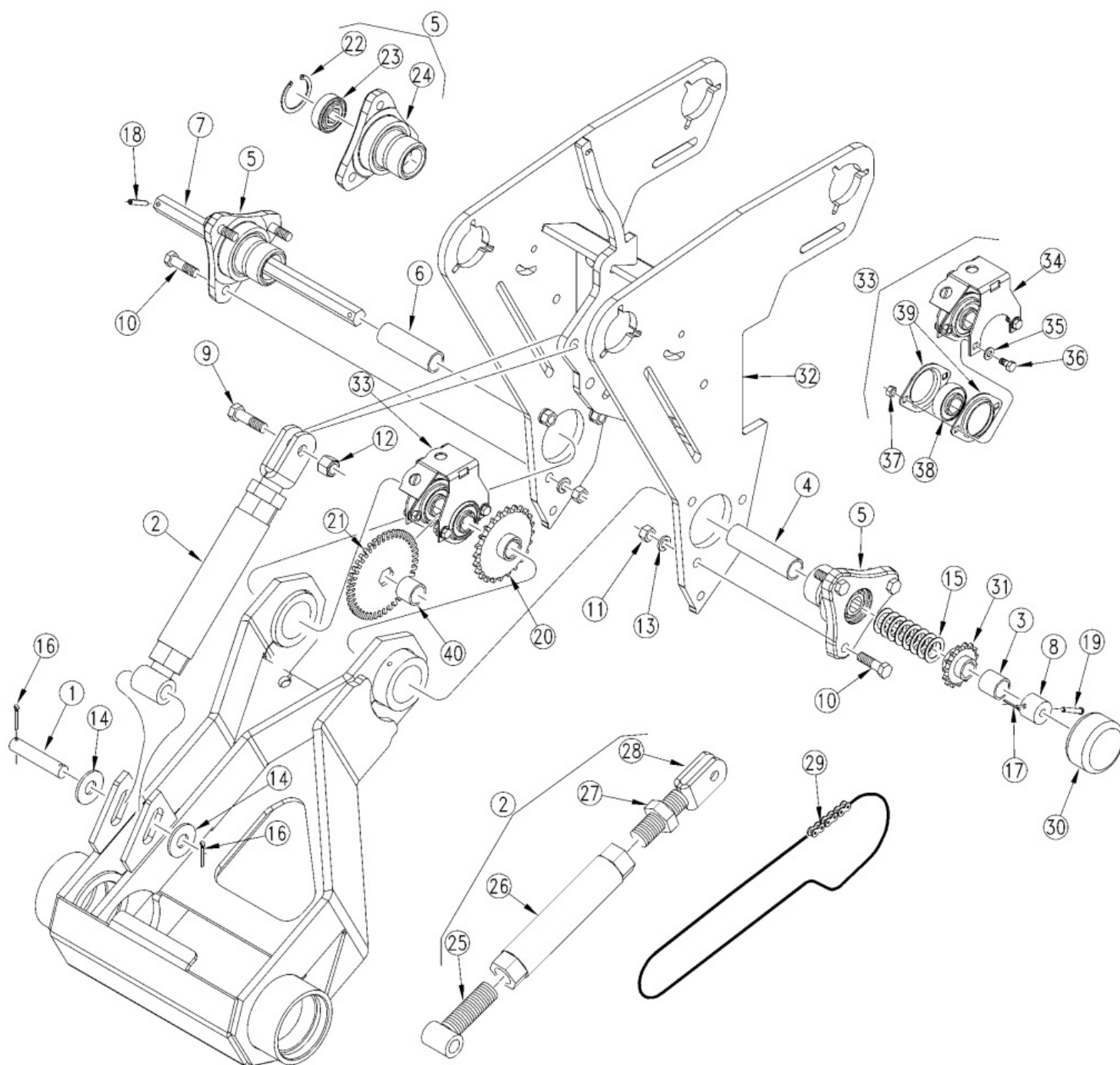


Dual Gauge Wheel (S/N FF1212+)

Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG22503	Image No.	
1	120-195D	HUB 6-BOLT 2 BORE 4.62 PILOT	
2	120-197D	GAUGE WHEEL ARM CHAIN GUARD	
3	120-198D	AXLE SPACER TUBE	
4	120-212H	TWO PIN IDLER WELDMENT	
5	120-302H	GAUGE WHEEL ARM 3PT-P LH OFFST	
6	120-326D	GAUGE WHEEL OFFSET CHAIN GAURD	
7	120-328D	SPNDL 2 X 32.06 W/ 1.5-12 THD	
8	800-001C	GREASE ZERK STRAIGHT 1/4-28	
9	801-059C	SCREW SQ HD 5/8-11X3 1/2 GR5	
10	802-078C	HHCS 1/4-20X5/8 GR5	
11	802-104C	BOLT WHEEL 1/2-20X1 90-DEG	
12	802-258C	HHCS 1/2-13X1 GR5	
13	803-019C	NUT LOCK 1/2-13 PLT	
14	803-023C	NUT HEX JAM 5/8-11 PLT	
15	803-239C	NUT HEX SLOTTED 1 1/2-12 PLT	
16	804-006C	WASHER LOCK SPRING 1/4 PLT	
17	804-007C	WASHER FLAT 1/4 SAE PLT	
18	804-182C	WASHER HARD 1 1/2 MILCARB GR8	
19	805-067C	PIN COTTER 1/8 X 3/4	
20	805-098C	PIN SPIROL 1/2 X 2 3/4	
21	805-125C	PIN ROLL 5/16 X 2 1/2 PLT	
22	805-148C	PIN COTTER 3/8 X 3 PLT	
23	173-182D	SPKT 40B30 X 2 B W/ 5/16 HOLE	S/N FF1350+
23	808-275C	SPKT 40B27X2B W/5/16 HOLE	S/N FF1349-
24	816-012C	SEAL 3.375 X 2.0 X.438 CR20125	
25	816-138C	SEAL DBL LIP 2.5 ID X 3.881 OD	
26	817-025C	NO. 40 12T IDLER SPKT.	
27	822-117C	BRG CONE 2.00ID TIM33889	
28	822-118C	BRG CUP 3.75OD TIM33821	
29	197-148K	TITAN TIRE 11L-15 8 PLY 6 BLT	
30	816-035C	VALVE STEM TR415X.625X1 1/4 LG	
31	814-178C	TIRE TITAN 11L-15 X 8 PLY	
32	814-008C	WHEEL 8 X 15 X 6 BOLT	

Applies to Models: 2410P, 2420P



Gauge Wheel LH

Applies to Models: 2410P, 2420P

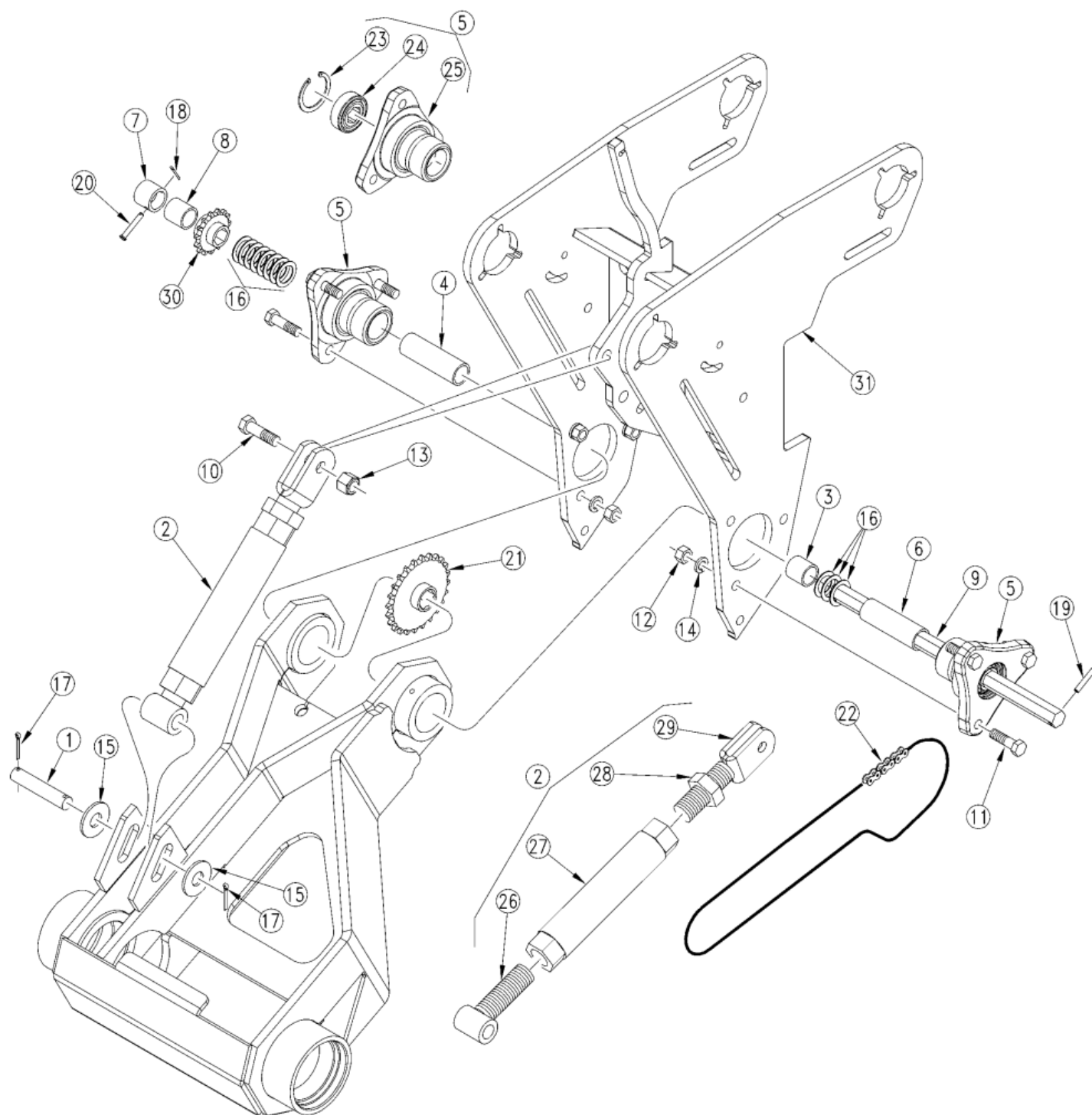
Ref.	Part No.	Part Description	Comments
	DWG18185	Image No.	
1	120-229D	PIN,3/4X3 1/4 USE W/3/16 HOLES	
2	120-245S	3PT GW LINK ASSEMBLY	Includes 25 - 28
3	120-315D	SPACER TUBE 1 ID X 1.25	S/N FF1157+
4	120-265D	SPACER TUBE 1 ID X 4 11/16	
5	120-269S	3 BOLT PIVOT BEARING ASSY	Includes 22 - 24
6	120-310D	SPACER TUBE 1 ID X 2.25	
7	120-316D	SHAFT 7/8 HEX GW PIVOT LONG	S/N FF1157+ (Shown)
7	120-286D	SHAFT 7/8 HEX GW PIVOT	S/N FF1156-
8	120-287D	ACREMEETER HEX SHAFT ADAPTOR	
9	802-058C	HHCS 5/8-11X2 1/2 GR5	
10	802-082C	HHCS 1/2-13X1 3/4 GR5	
11	803-020C	NUT HEX 1/2-13 PLT	
12	803-148C	NUT HEX NYLOCK 5/8-11 PLT	
13	804-015C	WASHER LOCK SPRING 1/2 PLT	
14	804-024C	WASHER FLAT 3/4 USS PLT	
15	804-061C	WASHER MACH 1.50 X 1.00 X 18GA	
16	805-045C	PIN COTTER 5/32 X 1 1/4 LG	
17	805-063C	PIN COTTER 3/32 X 1 LONG	
18	805-180C	PIN ROLL 1/4 X 1 1/2 LG PLT	
19	805-296C	PIN CLEVIS 1/4X1 31/64 USBL	
20	808-154C	SPKT 40C27 X 7/8 HEX BORE	S/N FF1350+
20	808-151C	SPKT 40C24 X 7/8 HEX BORE	S/N FF1349-
21	120-309D	SENSOR DISC, 42T 5.3 DIA PLTD	
22	800-038C	SNAP RING INT. 2.05 OD	
23	188-006V	BEARING .880 HEX BORE 205DD	
24	120-188D	3 BOLT PIVOT CAST W/BRG SEAT	
25	120-213H	ADJUSTMENT TUBE EYE BOLT	
26	120-214H	ADJUSTMENT TUBE WLDMT	
27	803-046C	NUT HEX JAM 1 1/4-7 LH THD PLT	
28	120-001E	UPPER GAUGE WHEEL CLEVIS	
29	136-136D	CHAIN RL #40 112 PITCHES	S/N FF1350+
29	136-150D	CHAIN RL #40 108 PITCHES	S/N FF1349-
30	891-095C	2410P, 20P ACREMETER	
30	891-096C	2410P, 20P HECTARE METER	
31	808-147C	SPKT 40C15 X 7/8 HEX BORE	
31	808-276C	SPKT 40C20 X 7/8 HEX BORE	
31	808-156C	SPKT 40C30 X 7/8 HEX BORE	
32	120-276H	GW MOUNT 3PT P DRIVE	
33	120-291S	SENSOR U-MOUNT BRACKET SUBASSY	Includes 34 - 39
34	120-311D	SENSOR U-MOUNT BRACKET	
35	804-036C	WASHER FLAT 5/16 SAE PLT	
36	802-705C	HHCS 5/16-18X5/8	
37	803-011C	NUT LOCK 5/16-18 PLT	
38	822-119C	BRG 7/8HEXX2.05OD SPH	
39	822-032C	FLANGETTE 52 MST	
40	120-278D	SPACER TUBE 1 ID X 1.03	

Great Plains

Gauge Wheel RH

Drive

Applies to Models: 2410P, 2420P



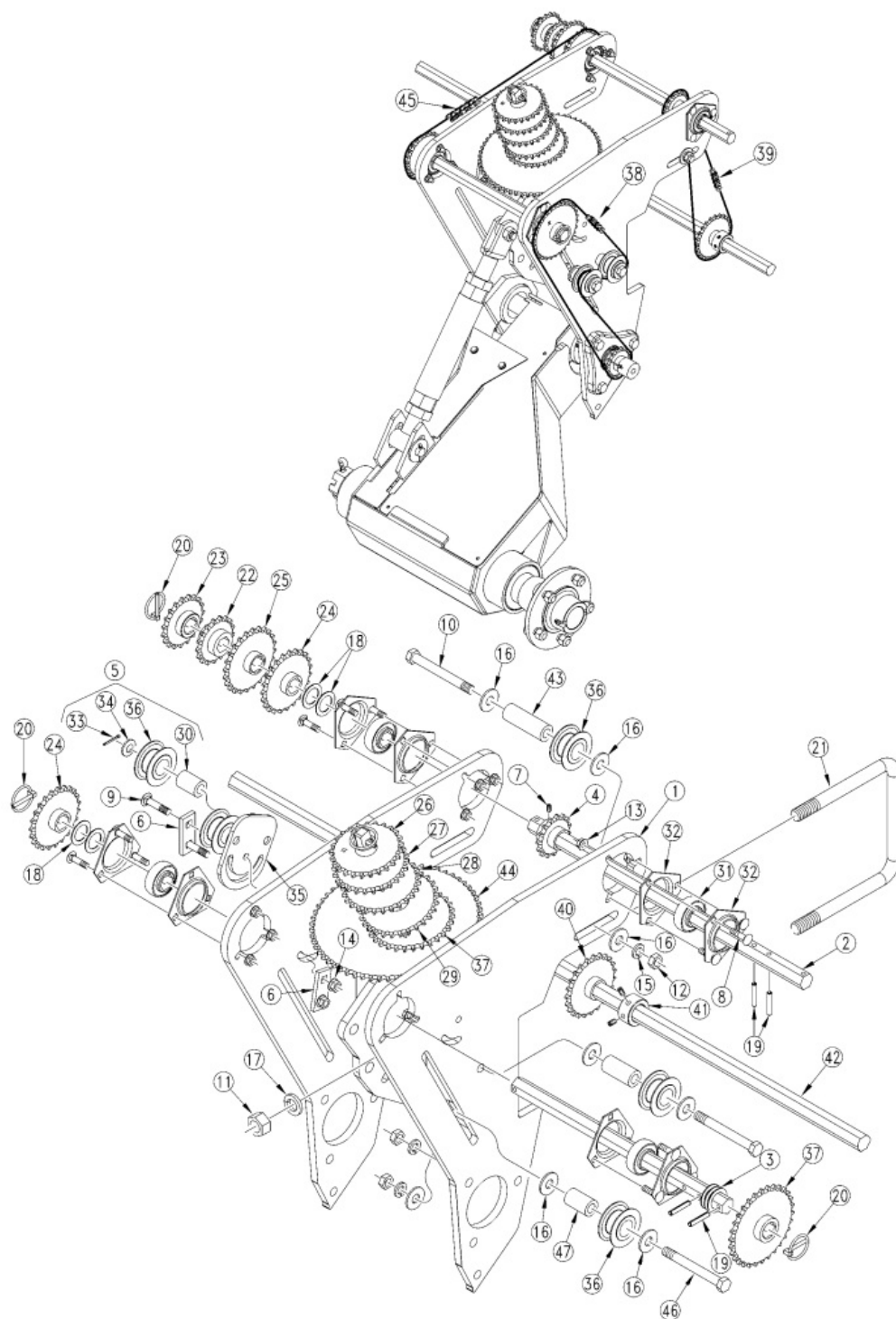
Gauge Wheel RH

Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG19657	Image No.	
1	120-229D	PIN,3/4X3 1/4 USE W/3/16 HOLES	
2	120-245S	3PT GW LINK ASSEMBLY	Includes 26 - 29
3	120-264D	SPACER TUBE 1 ID X 1 3/16	
4	120-265D	SPACER TUBE 1 ID X 4 11/16	
5	120-269S	3 BOLT PIVOT BEARING ASSY	Includes 23 - 25
6	120-284D	SPACER TUBE 1 ID X 3.94	
7	120-287D	ACREMETER HEX SHAFT ADAPTOR	
8	120-315D	SPACER TUBE 1 ID X 1.25	S/N FF1157+
9	120-316D	SHAFT 7/8 HEX GW PIVOT LONG	S/N FF1157+ Shown
9	120-286D	SHAFT 7/8 HEX GW PIVOT	S/N FF1156-
10	802-055C	HHCS 5/8-11X2 GR5 FTHD	
11	802-082C	HHCS 1/2-13X1 3/4 GR5	
12	803-020C	NUT HEX 1/2-13 PLT	
13	803-148C	NUT HEX NYLOCK 5/8-11 PLT	
14	804-015C	WASHER LOCK SPRING 1/2 PLT	
15	804-024C	WASHER FLAT 3/4 USS PLT	
16	804-061C	WASHER MACH 1.50 X 1.00 X 18GA	
17	805-045C	PIN COTTER 5/32 X 1 1/4 LG	
18	805-063C	PIN COTTER 3/32 X 1 LONG	
19	805-180C	PIN ROLL 1/4 X 1 1/2 LG PLT	
20	805-296C	PIN CLEVIS 1/4X1 31/64 USBL	
21	808-154C	SPKT 40C27 X 7/8 HEX BORE	S/N FF1350+
21	808-151C	SPKT 40C24 X 7/8 HEX BORE	S/N FF1349-
22	136-136D	CHAIN RL #40 112 PITCHES	S/N FF1350+
22	136-150D	CHAIN RL #40 108 PITCHES	S/N FF1349-
23	800-038C	SNAP RING INT. 2.05 OD	
24	188-006V	BEARING .880 HEX BORE 205DD	
25	120-188D	3 BOLT PIVOT CAST W/BRG SEAT	
26	120-213H	ADJUSTMENT TUBE EYE BOLT	
27	120-214H	ADJUSTMENT TUBE WLDMT	
28	803-046C	NUT HEX JAM 1 1/4-7 LH THD PLT	
29	120-001E	UPPER GAUGE WHEEL CLEVIS	
30	808-147C	SPKT 40C15 X 7/8 HEX BORE	
30	808-276C	SPKT 40C20 X 7/8 HEX BORE	
30	808-156C	SPKT 40C30 X 7/8 HEX BORE	
31	120-276H	GW MOUNT 3PT P DRIVE	

Gauge Wheel Transmission (S/N FF1125-)

Applies to Models: 2410P, 2420P



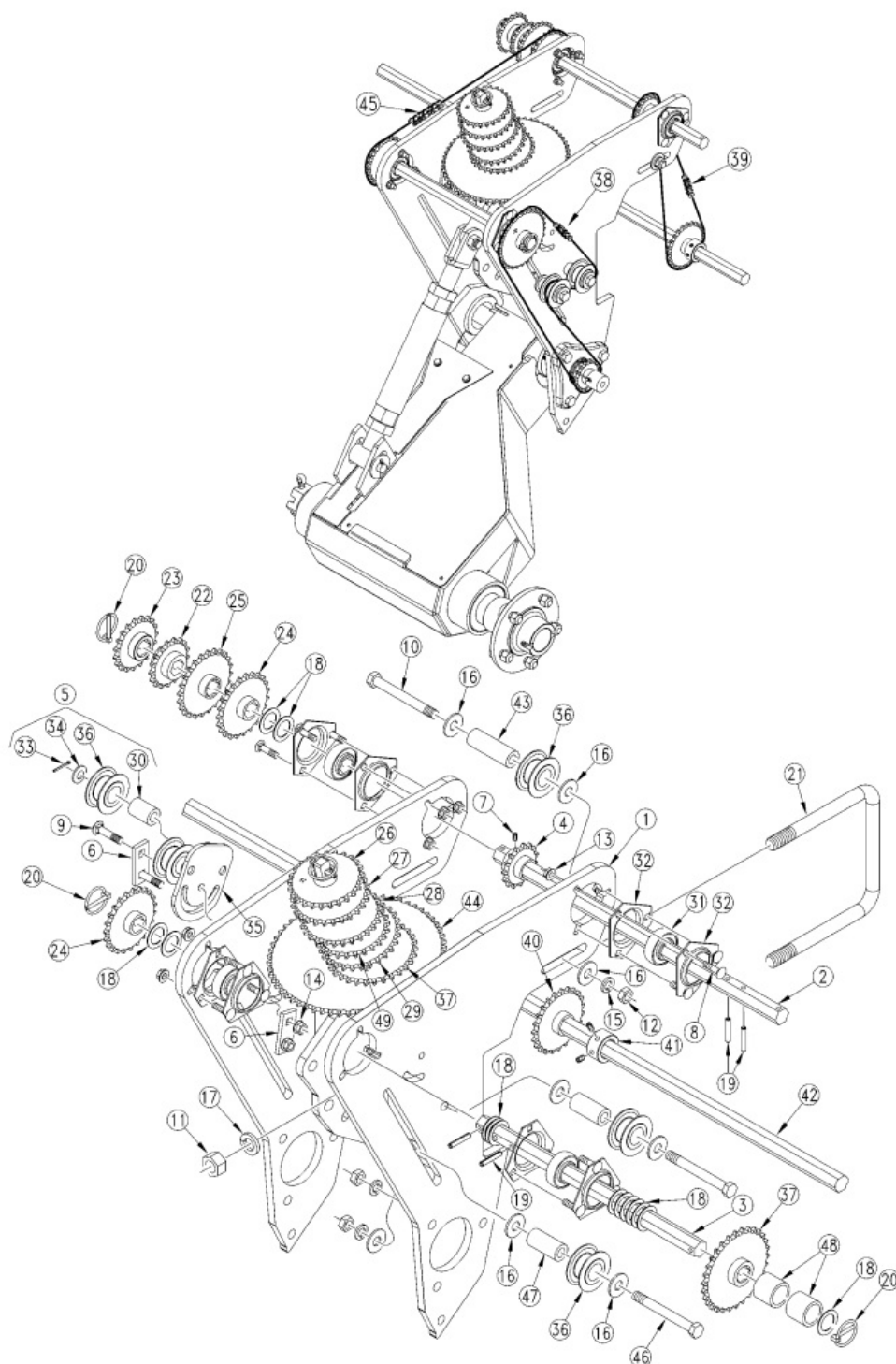
Gauge Wheel Transmission (S/N FF1125-)

Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG18186	Image No.	
1	120-276H	GW MOUNT 3PT P DRIVE	
2	120-285D	SHAFT 7/8 HEX GW UPPER REAR	
3	120-289D	SHAFT 7/8 HEX GW UPPER FRNT	
4	120-290D	SPKT 40C15 7/8 HEX W/ SS HOLES	
5	402-140S	DOUBLE SPOOL IDLER ASSY	
6	402-242D	IDLER BOLT PLATE	
7	801-035C	SCREW SET 5/16-18 SKT KP X 3/8	
8	802-009C	RHSNB 5/16-18X1 1/4 GR5	
9	802-252C	RHSNB 3/8-16X1 3/4 GR5	
10	802-672C	HHCS 1/2-13X4 1/2 GR5 SPTH	
11	803-027C	NUT HEX 3/4-10 PLT	
12	803-036C	NUT HEX JAM 1/2-13 PLT	
13	803-177C	803-184 FLG TP LK 5/16-18ZNYCR	
14	803-209C	NUT FLANGE LOCK 3/8-16 PLT	
15	804-015C	WASHER LOCK SPRING 1/2 PLT	
16	804-113C	WASHER FLAT 1/2 USS HARD PLT	
17	804-023C	WASHER LOCK SPRING 3/4 PLT	
18	804-061C	WASHER MACH 1.50 X 1.00 X 18GA	
19	805-180C	PIN ROLL 1/4 X 1 1/2 LG PLT	
20	805-240C	PIN LINCH 3/16 X 1 9/16 LONG	
21	806-121C	U-BOLT 3/4-10 X 7 1/32 X 7 3/4	
22	808-148C	SPKT 40C17 X 7/8 HEX BORE	
23	808-149C	SPKT 40C19 X 7/8 HEX BORE	
24	808-150C	SPKT 40C23 X 7/8 HEX BORE	
25	808-151C	SPKT 40C24 X 7/8 HEX BORE	
26	808-152C	SPKT 40C25 X 7/8 HEX BORE	
27	808-153C	SPKT 40C26 X 7/8 HEX BORE	
28	808-154C	SPKT 40C27 X 7/8 HEX BORE	
29	808-155C	SPKT 40C28 X 7/8 HEX BORE	
30	120-305D	TUBE RND 1 OD X 7/32W X 1.56	
31	822-119C	BRG 7/8HEXX2.05OD SPH	
32	822-175C	FLANGETTE 52 3-BOLT PLT	
33	805-064C	PIN COTTER 7/64 X 1 LONG	
34	804-017C	WASHER FLAT 1/2 USS PLT	
35	402-126H	OFFSET DOUBLE IDLER WELDMENT	
36	817-406C	IDLER 1 PC 2.38X1.01X1.062	
37	808-156C	SPKT 40C30 X 7/8 HEX BORE	
38	136-174D	CHAIN RL #40 118 PITCHES	
39	136-035D	CHAIN RL #40 76 PITCHES	
40	808-155C	SPKT 40C28 X 7/8 HEX BORE	
41	402-025S	LOCK COLLAR, 7/8 HEX W/ SET SC	
42	120-292D	SHAFT 7/8 HEX, 118.0 LONG PLTD	
43	120-293D	TUBE RND DOM. 1 OD X 7/32WX3.0	
44	195-172H	SPKT 40C60 X 7/8 HEX BORE	
45	136-058D	CHAIN RL #40 102 PITCHES	
46	802-424C	HHCS 1/2-13X4 FTHD	
47	120-306D	TUBE RND 1 OD X 7/32W X 2.13	

Gauge Wheel Transmission (S/N FF1157+)

Applies to Models: 2410P, 2420P



Gauge Wheel Transmission (S/N FF1157+)

Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG19667	Image No.	
1	120-276H	GW MOUNT 3PT P DRIVE	
2	120-285D	SHAFT 7/8 HEX GW UPPER REAR	
3	116-245D	SHAFT 7/8 HEX GW UPPER FRNT LG	
4	120-290D	SPKT 40C15 7/8 HEX W/ SS HOLES	
5	402-140S	DOUBLE SPOOL IDLER ASSY	
6	402-242D	IDLER BOLT PLATE	
7	801-035C	SCREW SET 5/16-18 SKT KP X 3/8	
8	802-009C	RHSNB 5/16-18X1 1/4 GR5	
9	802-252C	RHSNB 3/8-16X1 3/4 GR5	
10	802-672C	HHCS 1/2-13X4 1/2 GR5 SPTH	
11	803-027C	NUT HEX 3/4-10 PLT	
12	803-036C	NUT HEX JAM 1/2-13 PLT	
13	803-177C	803-184 FLG TP LK 5/16-18ZNYCR	
14	803-209C	NUT FLANGE LOCK 3/8-16 PLT	
15	804-015C	WASHER LOCK SPRING 1/2 PLT	
16	804-017C	WASHER FLAT 1/2 USS PLT	
17	804-023C	WASHER LOCK SPRING 3/4 PLT	
18	804-061C	WASHER MACH 1.50 X 1.00 X 18GA	
19	805-180C	PIN ROLL 1/4 X 1 1/2 LG PLT	
20	805-240C	PIN LINCH 3/16 X 1 9/16 LONG	
21	806-121C	U-BOLT 3/4-10 X 7 1/32 X 7 3/4	
22	808-148C	SPKT 40C17 X 7/8 HEX BORE	
23	808-149C	SPKT 40C19 X 7/8 HEX BORE	
24	808-150C	SPKT 40C23 X 7/8 HEX BORE	
25	808-151C	SPKT 40C24 X 7/8 HEX BORE	
26	808-152C	SPKT 40C25 X 7/8 HEX BORE	
27	808-153C	SPKT 40C26 X 7/8 HEX BORE	
28	808-154C	SPKT 40C27 X 7/8 HEX BORE	
29	808-155C	SPKT 40C28 X 7/8 HEX BORE	
30	120-305D	TUBE RND 1 OD X 7/32W X 1.56	
31	822-119C	BRG 7/8HEXX2.05OD SPH	
32	822-175C	FLANGETTE 52 3-BOLT PLT	
33	805-064C	PIN COTTER 7/64 X 1 LONG	
34	804-017C	WASHER FLAT 1/2 USS PLT	
35	402-126H	OFFSET DOUBLE IDLER WELDMENT	
36	817-406C	IDLER 1 PC 2.38X1.01X1.062	
37	808-156C	SPKT 40C30 X 7/8 HEX BORE	
38	136-174D	CHAIN RL #40 118 PITCHES	
39	136-035D	REPL. BY 136-096D	
40	808-155C	SPKT 40C28 X 7/8 HEX BORE	
41	402-025S	LOCK COLLAR, 7/8 HEX W/ SET SC	
42	120-291D	SHAFT 7/8 HEX, 88.0 LONG PLTD	
42	120-307D	SHAFT 7/8 HEX, 76.0 LONG PLTD	Used with Twin Row
43	120-293D	TUBE RND DOM. 1 OD X 7/32WX3.0	
44	195-172H	SPKT 40C60 X 7/8 HEX BORE	
45	136-058D	CHAIN RL #40 102 PITCHES	
46	802-201C	HHCS 1/2-13X4 3/4 GR5	
47	120-313D	TUBE RND 1 OD X 7/32W X 3.31	
48	120-315D	SPACER TUBE 1 ID X 1.25	

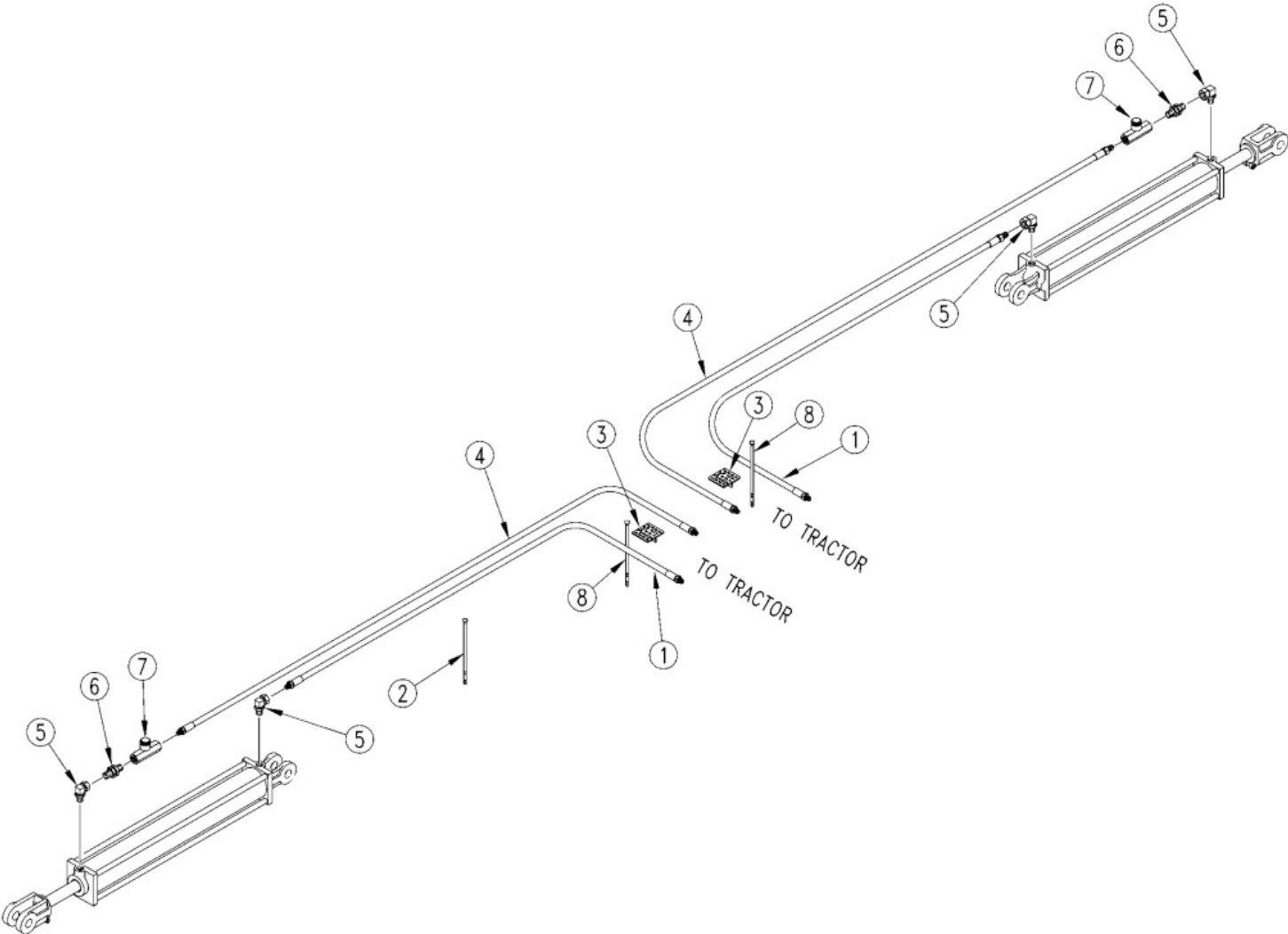
Gauge Wheel Transmission (S/N FF1157+)

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2410P & 2420P Precision Seeding System - 118-769P

Great Plains
Flat Fold Dual Marker Hydraulics

Applies to Models: 2410P, 2420P



Applies to Models: 2410P, 2420P

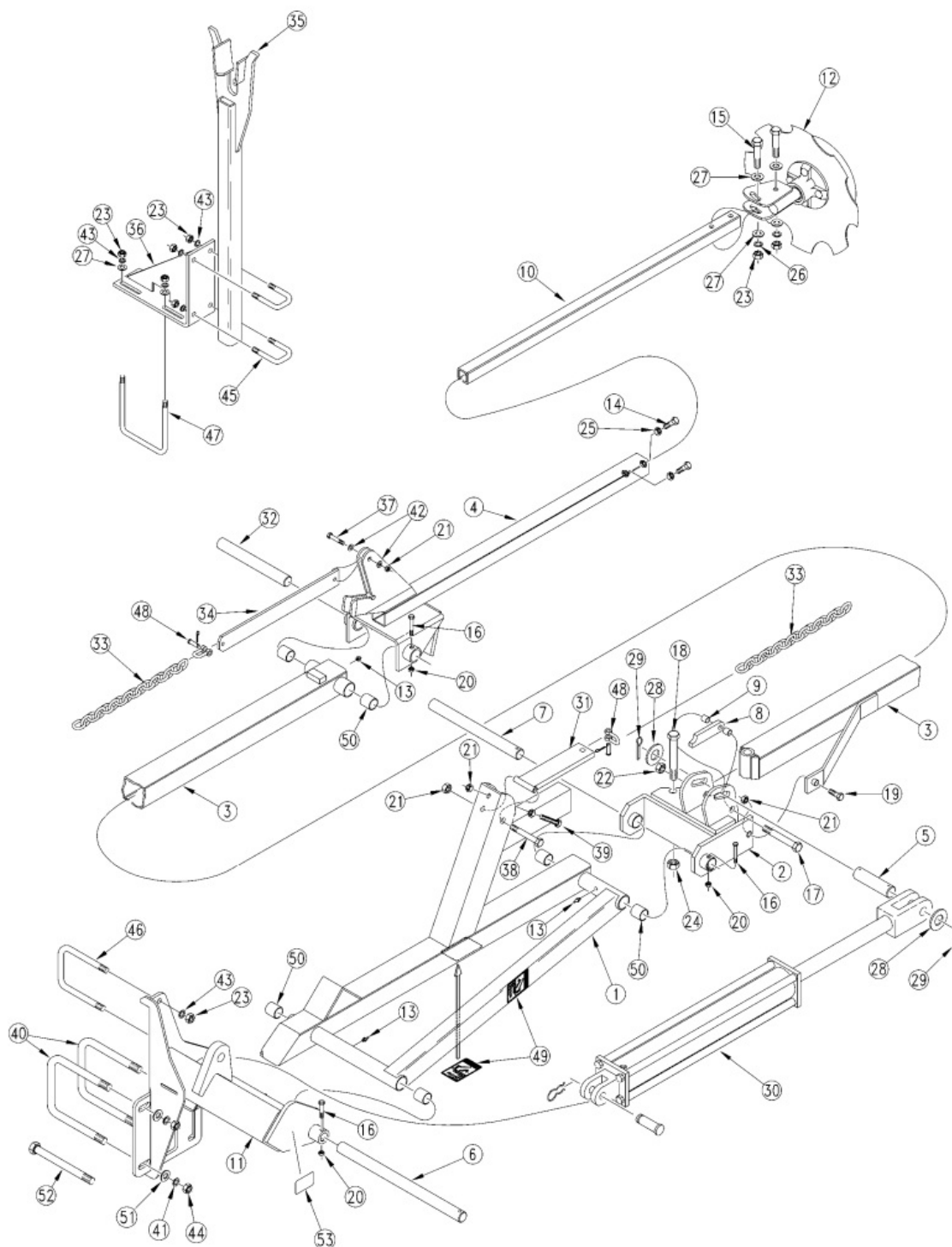
Ref.	Part No.	Part Description	Comments
	DWG17643	Image No.	
1	811-129C	HH1/4R1 234 3/8MNPT 1/2MNPT	
2	800-082C	CABLE TIE .31X21.5 6DIA 120LB	
3	817-348C	PLASTIC HOSE LABEL	
4	811-297C	SP HH1/4R1 212 3/8MNPT-W/AD	
5	811-281C	EL 3/8FNPT 9/16MORB	
6	811-044C	AD 3/8MNPT	
7	810-058C	VALVE 3/8 NEEDLE	
8	800-300C	CABLE TIE 2 DIA MIN - ORG	

Great Plains

Flat Fold Marker

Markers

Applies to Models: 2410P, 2420P



Flat Fold Marker

Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG 19201	Image No.	
1	113-180H	LH FIRST SECTION	
1	113-188H	RH FIRST SECTION	
2	113-181H	LIFT LUG CHANNEL LH	
2	113-189H	LIFT LUG CHANNEL RH	
3	113-195H	3 SECTION MARKER BREAKAWAY	
4	113-183H	30' F.F. MKR. 3RD. SECTION	
4	113-196H	24' F.F. MKR. 3RD. SECTION	
5	113-248D	PIN 1 OD X 4.34 USABLE	
6	113-312D	FIRST PIVOT SHAFT	
7	113-313D	SECOND PIVOT SHAFT	
8	113-324D	CYLINDER STOP	
9	113-325D	STOP BUSHING	
10	113-354D	13' MARKER TUBE 46 1/2 LONG	Shown
10	113-351D	MARKER TUBE 42 LG	Standard RH on 2410P.
10	113-352D	MARKER TUBE 30 LG	Optional RH on 2410P.
10	113-354D	13' MARKER TUBE 46 1/2 LONG	Used on 2420P.
11	113-689H	MARKER MOUNT LH	
11	113-690H	MARKER MOUNT RH	
11	113-781H	2520P MARKER MOUNT LH	Used on 2520P.
11	113-782H	2520P MARKER MOUNT RH	Used on 2520P.
12	113-563S	MARKER DISC & HUB ASSEMBLY	Refer to "Marker Disc Assembly (113-563S)" for breakdown.
13	800-001C	GREASE ZERK STRAIGHT 1/4-28	
14	801-013C	SCREW SET SQ HD 1/2-13X1 1/2G5	
15	802-039C	HHCS 1/2-13X3 GR5	
16	802-115C	HHCS 5/16-18X2 GR5	
17	802-249C	HHCS 1/2-13X4 1/2 GR5 FTHD	
18	802-254C	HHCS 5/8-11X5 1/2 GR5	
19	802-266C	HHCS 3/8-16X2 GR2	
20	803-011C	NUT LOCK 5/16-18 PLT	
21	803-013C	NUT LOCK 3/8-16 PLT	
22	803-019C	NUT LOCK 1/2-13 PLT	
23	803-020C	NUT HEX 1/2-13 PLT	
24	803-024C	NUT LOCK 5/8-11 PLT	
25	803-036C	NUT HEX JAM 1/2-13 PLT	
26	804-015C	WASHER LOCK SPRING 1/2 PLT	
27	804-017C	WASHER FLAT 1/2 USS PLT	
28	804-029C	WASHER FLAT 1 SAE	
29	805-058C	PIN COTTER 3/16 X 2	
30	810-118C	CYL 2.5X20X1.12 ROD (TIE)1 PIN	
31	113-200H	CHAIN BAR WELDMENT	
32	113-311D	HINGE PIN	
33	113-328D	24' MARKER CHAIN	
34	113-323D	CHAIN BAR	
35	113-560H	MARKER CARRIER	
36	113-568H	MARKER TRANSPORT MOUNT	
37	802-022C	HHCS 3/8-16X1 1/2 GR5	
38	802-168C	HHCS 3/8-16X3 1/4 GR5	
39	802-261C	HHCS 3/8-16X2 1/2 GR5 FTHD	
40	806-053C	U-BOLT 5/8-11 X 7 1/32 X 6 1/2	



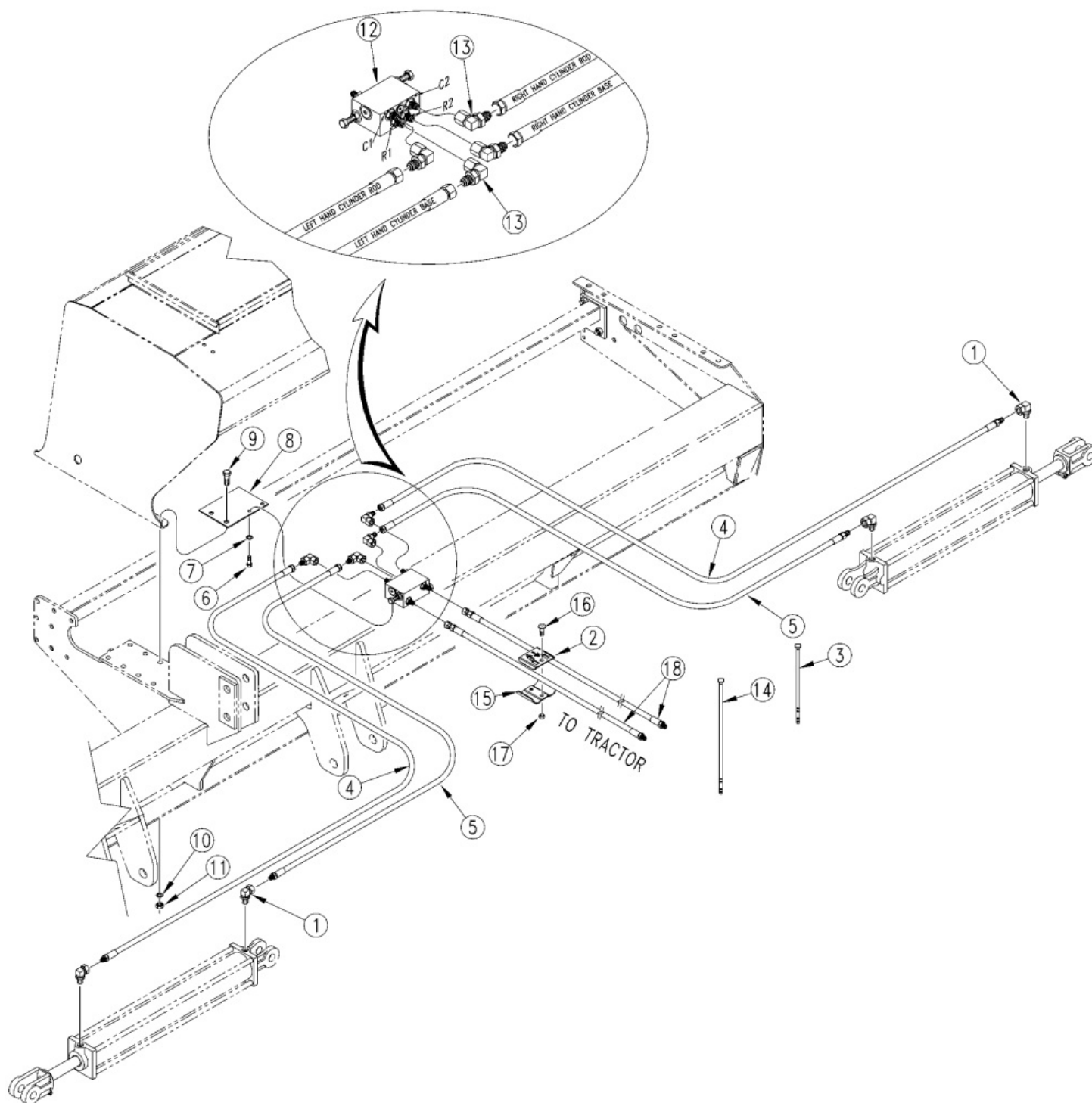
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Flat Fold Marker

Ref.	Part No.	Part Description	Comments
41	804-022C	WASHER LOCK SPRING 5/8 PLT	
42	804-011C	WASHER FLAT 3/8 USS PLT	
43	804-015C	WASHER LOCK SPRING 1/2 PLT	
44	803-021C	NUT HEX 5/8-11 PLT	
45	806-005C	U-BOLT 1/2-13 X 2 X 3 GR 5	
46	806-122C	U-BOLT 1/2-13 X 3 1/32 X 6	
47	806-159C	U-BOLT 1/2-13 X 5 1/32 X 4 1/2	
48	890-018C	5/16 x 1 1/4 UTILITY CLEVIS	
49	818-682C	DECAL WARNING PINCH/CRUSH MRKR	
50	890-005C	BUSHING CYL 1 1/4 X 1 X 1	
51	804-021C	WASHER FLAT 5/8 SAE PLT	
52	802-335C	HHCS 5/8-11X6 1/2 GR5	
53	838-265C	DECAL REFLECTOR AMBER 1 1/2X9	

Flat Fold Marker Sequence Valve Hydraulics

Applies to Models: 2410P, 2420P



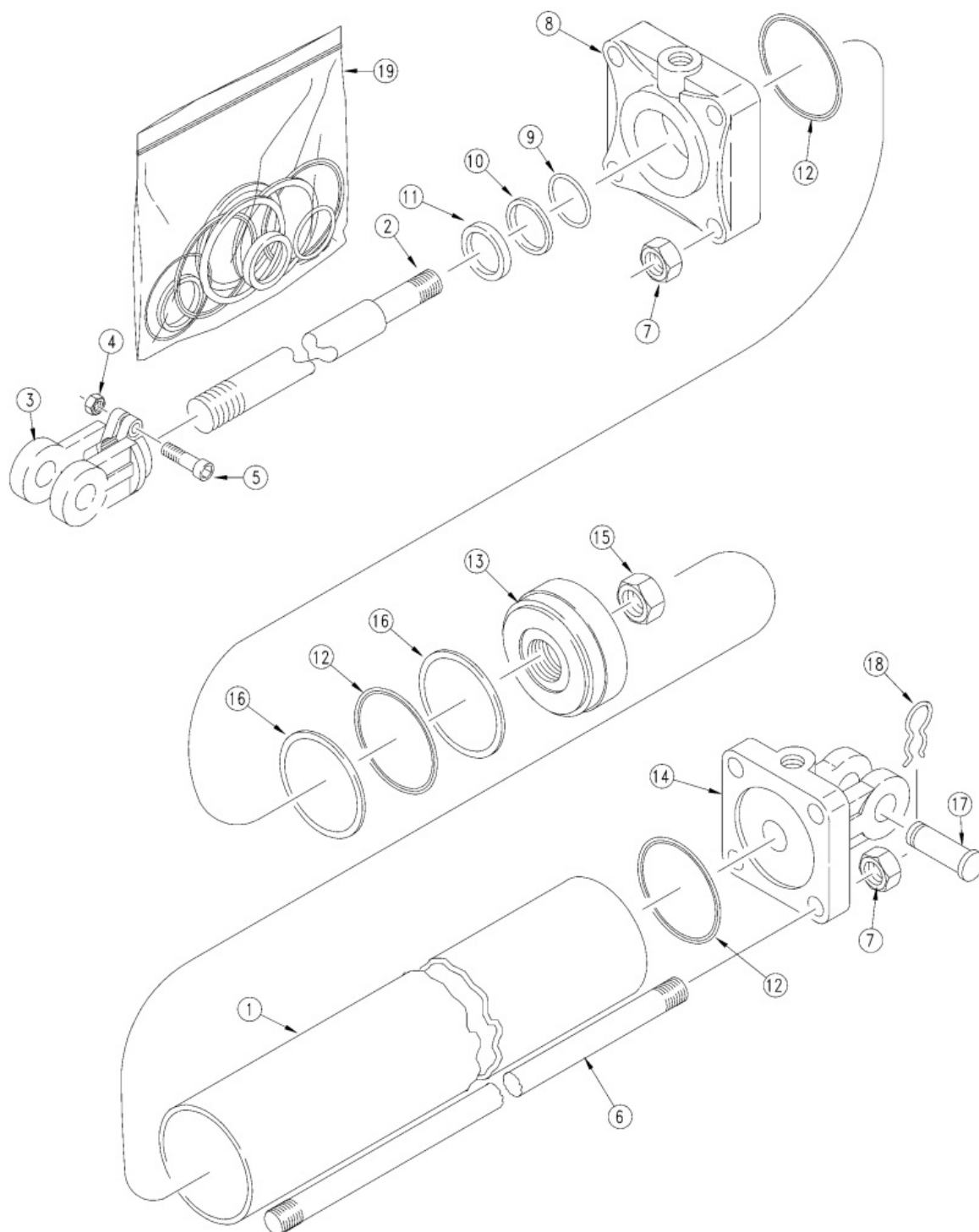
Flat Fold Marker Sequence Valve Hydraulics

Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG17524	Image No.	
1	811-281C	EL 3/8FNPT 9/16MORB	
2	502-067D	HYD HOSE CLAMP LABEL	
3	800-300C	CABLE TIE 2 DIA MIN - ORG	
4	811-035C	HH1/4R1 252 9/16FJIC 3/8MNPT	
5	811-451C	HH1/4R1 212 3/8MNPT 9/16FJIC	
6	802-014C	HHCS 3/8-16X3/4 GR5	
7	804-013C	WASHER LOCK SPRING 3/8 PLT	
8	113-488D	SEQUENCE VALVE MOUNT BRACKET	
9	802-034C	HHCS 1/2-13X1 1/4 GR5	
10	804-015C	WASHER LOCK SPRING 1/2 PLT	
11	803-020C	NUT HEX 1/2-13 PLT	
12	810-197C	VALVE,SEQUENCE SHOEMAKER	Refer to "Sequence Valve (810-197C)" for breakdown.
13	811-169C	EL 9/16MJIC 9/16FJIC	
14	800-035C	CABLE TIE .31X28 8DIA 120LB	
15	502-068D	HYD HOSE CLAMP BRACKET	
16	802-009C	RHSNB 5/16-18X1 1/4 GR5	
17	803-199C	NUT HEX FLANGE 5/16-18 PLT	
18	811-333C	HH1/4R1 032 9/16FJIC	

Hydraulic Cylinder 2.5 x 20 x 1.12 (810-118C)

Applies to Models: 2410P, 2420P



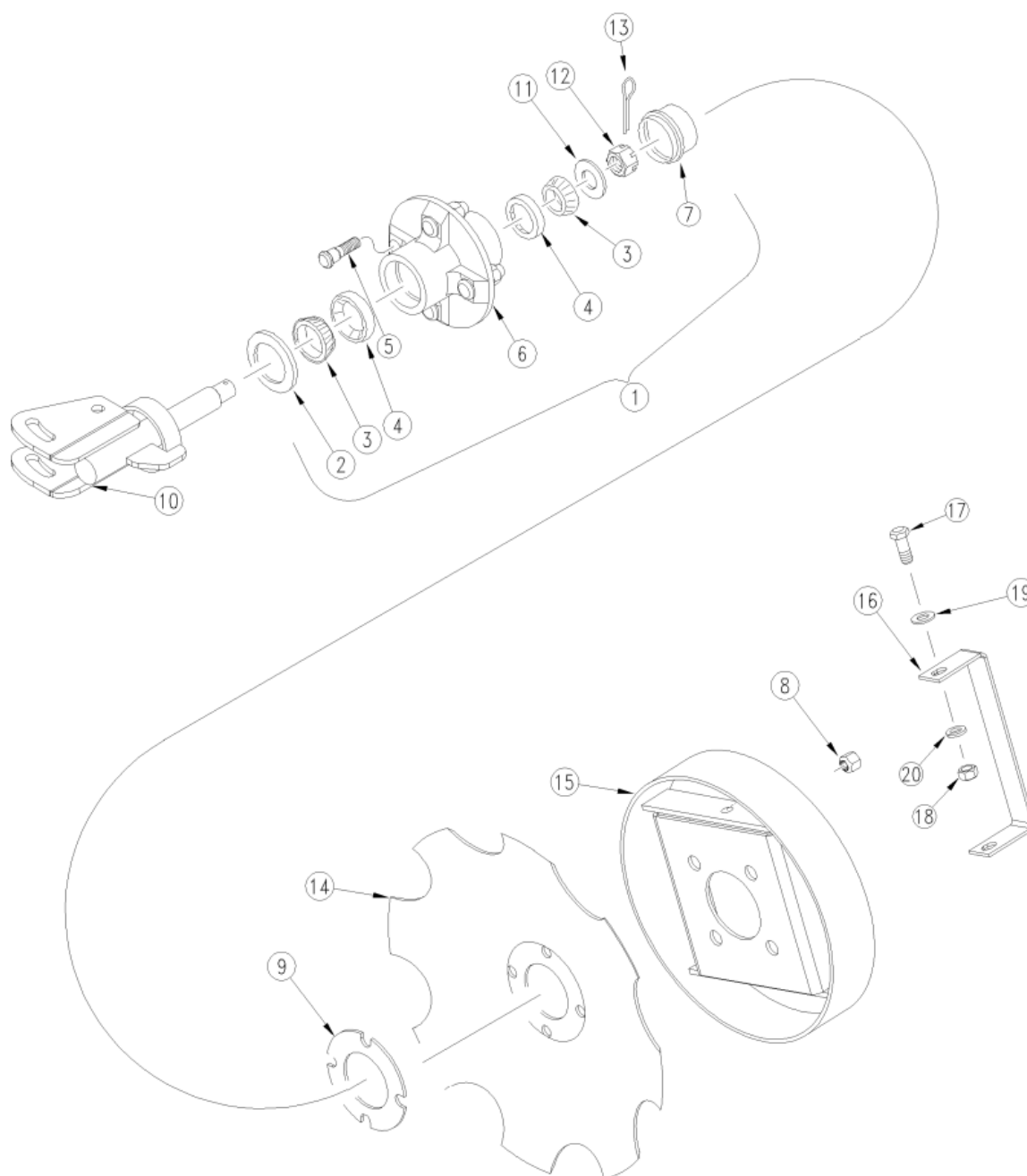
Hydraulic Cylinder 2.5 x 20 x 1.12 (810-118C)

Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG11188	Image No.	
1	5M3128	MW TUBE 2-1/2 X 20 CYLINDER	
2	2M3326	MW ROD	
3	1M6006	RPBY 1M6006-ADI	
4	2A0012	RPBY 803-234C	
5	2A0006	RPBY 802-023C	
6	7M3328	MIDWAY TIE ROD	
7	2A0012	RPBY 803-234C	
8	3R0310	MW HEAD	
9		O-RING ROD	Only available in item 19
10		BACKUP ROD	Only available in item 19
11		ROD WIPER	Only available in item 19
12		O-RING PISTON	Only available in item 19
13	4M3102	RPBY 4M3108	
14	6R0158	RPBY 6R0152-ADI	
15	2A0022	RPBY 803-114C	
16		BACKUP PISTON	Only available in item 19
17	2A0208	RPBY 805-124C	
18	2A0132	MW PIN CLIP	
19	810-119C	RPBY 810-210C	
	810-118C	CYL 2.5X20X1.12 ROD (TIE)1 PIN	

Marker Disc Assembly (113-563S)

Applies to Models: 2410P, 2420P



Marker Disc Assembly (113-563S)

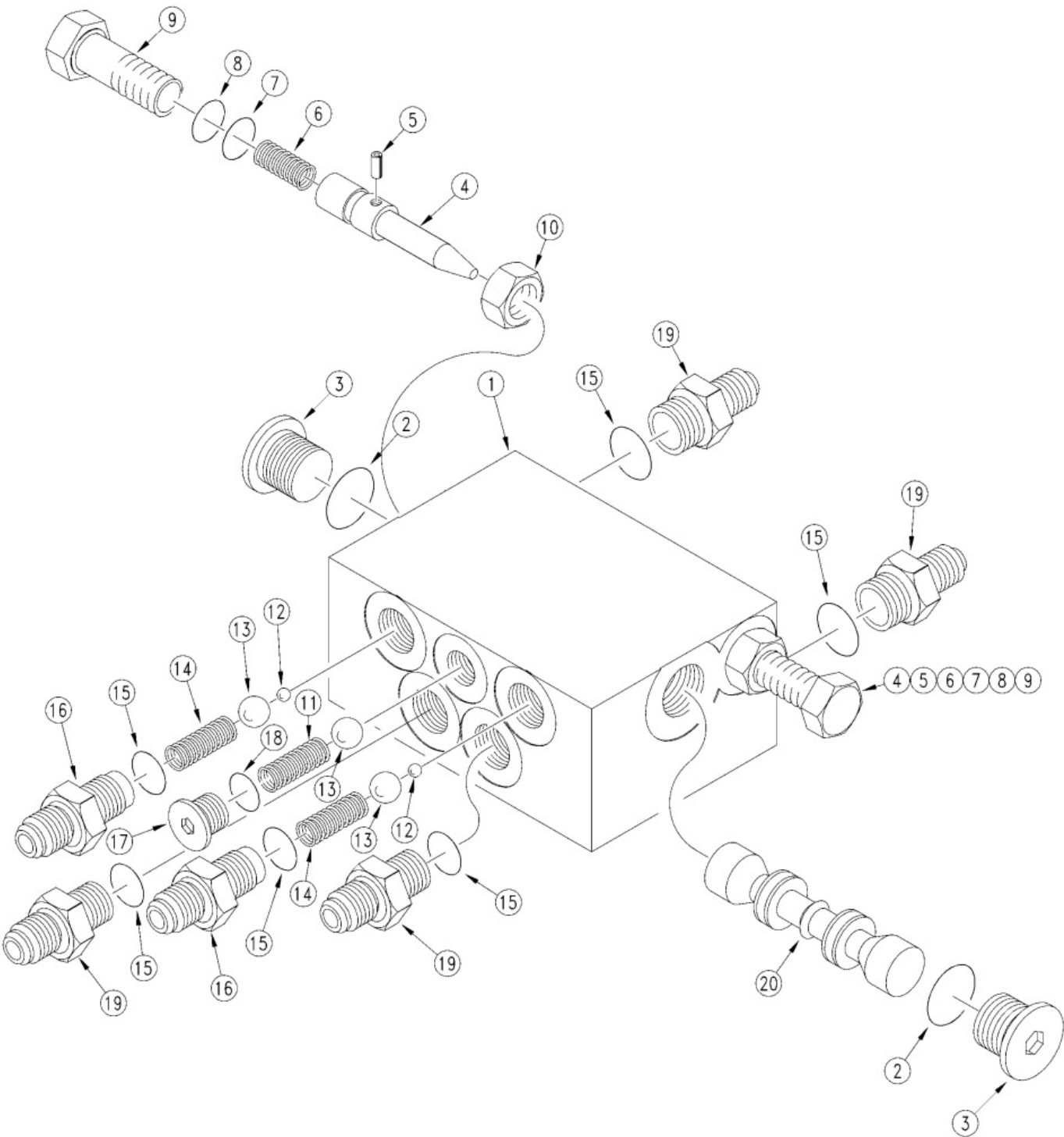
Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG 15481	Image No.	
1	815-001C	TINE GW HUB	Includes 2 - 8.
2	816-014C	TINE GAUGE WHEEL HUB SEAL	
3	822-030C	BEARING CONE 1	
4	822-080C	BEARING CUP L44610	
5	BO-47	NEILSON STUD 1/2-20UNFX1 13/16	
6	1-100-02-00	RELIABLE HUB 4 BOLT	
7	890-614C	GREASE CAP #1505	
8	803-159C	NUT LUG 1/2-20X60DEG PLT(.75AF	
9	116-353D	BLADE SPACER	
10	113-562H	1 SPINDLE MARKER WELDMENT	
11	804-025C	WASHER FLAT 3/4 SAE PLT	
12	803-053C	NUT HEX SLOTTED 3/4-16	
13	805-019C	PIN COTTER 5/32 X 1 PLT	
14	820-094C	16 4-BOLT NOTCHED MARKER DISK	
15	113-369H	DEPTH BAND 10 4-BOLT 4B.C.	
16	116-354D	MARKER DISC SAFETY STRAP	
17	802-017C	HHCS 3/8-16X1 GR5	
18	803-014C	NUT HEX 3/8-16 PLT	
19	804-012C	WASHER FLAT 3/8 SAE PLT	
20	804-013C	WASHER LOCK SPRING 3/8 PLT	

Great Plains
Sequence Valve (810-197C)

Markers

Applies to Models: 2410P, 2420P



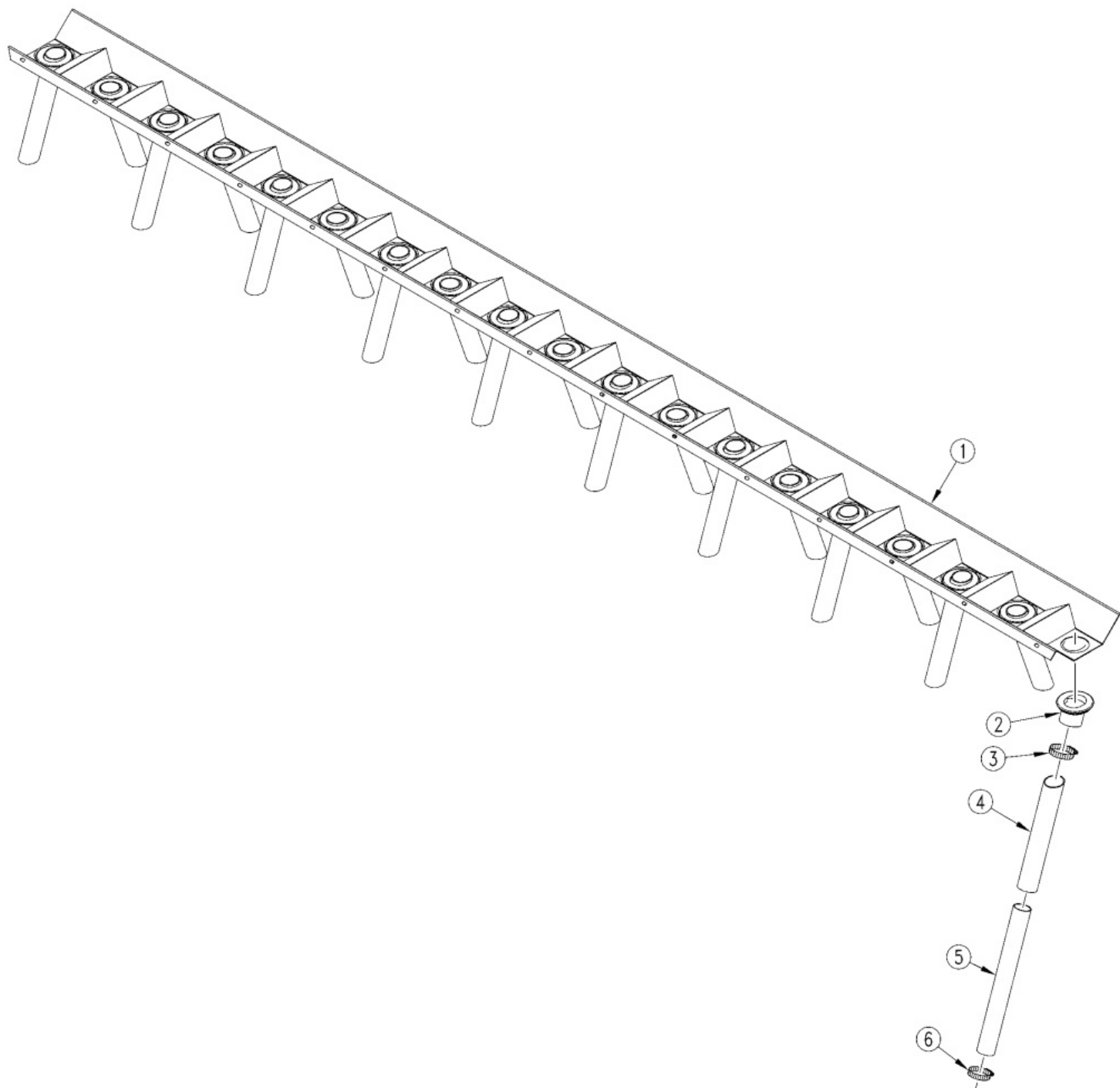
Sequence Valve (810-197C)

Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG12024	Image No.	
1	3089	SHOEMAKER BODY MKR SEQ VALVE	
2	1088-908	SHOEMAKER O-RING	
3	1132-08	SHOEMAKER PLUG, HEX SOCKET	
4	1179	SHOEMAKER NEEDLE, FLOW CONTROL	
5	1217	SHOEMAKER .125 SPRING PIN	
6	1211	SHOEMAKER SPRING COMPRESSION	
7	1088-011	RPBY 1100-011	
8	1089-011	RPBY SEAL KIT	
9	1180	SHOEMAKER SCREW, FLOW CON. ADJ.	
10	1218	REPLACED BY 803-018C	
11	1099	RPBY SEAL KIT	
12	1087-250	RPBY SEAL KIT	
13	1087-437	RPBY SEAL KIT	
14	1042	RPBY SEAL KIT	
15	1088-906	SHOEMAKER O-RING	
16	1182	SHOEMAKER FITTING PORT ADPT.	
17	1132-05	SHOEMAKER HEX, SKT O-RING PLUG	
18	1088-905	SHOEMAKER O-RING	
19	1092-6-6	SHOEMAKER SAE #6 TO #6 STRGHT	
20	2153	SHOEMAKER SPOOL, MKR SEQ. .055	
	810-456C	SEAL KIT SHOEMAKER #1223	

Seed Tray With Telescoping Tubes

Applies to Models: 2410P, 2420P



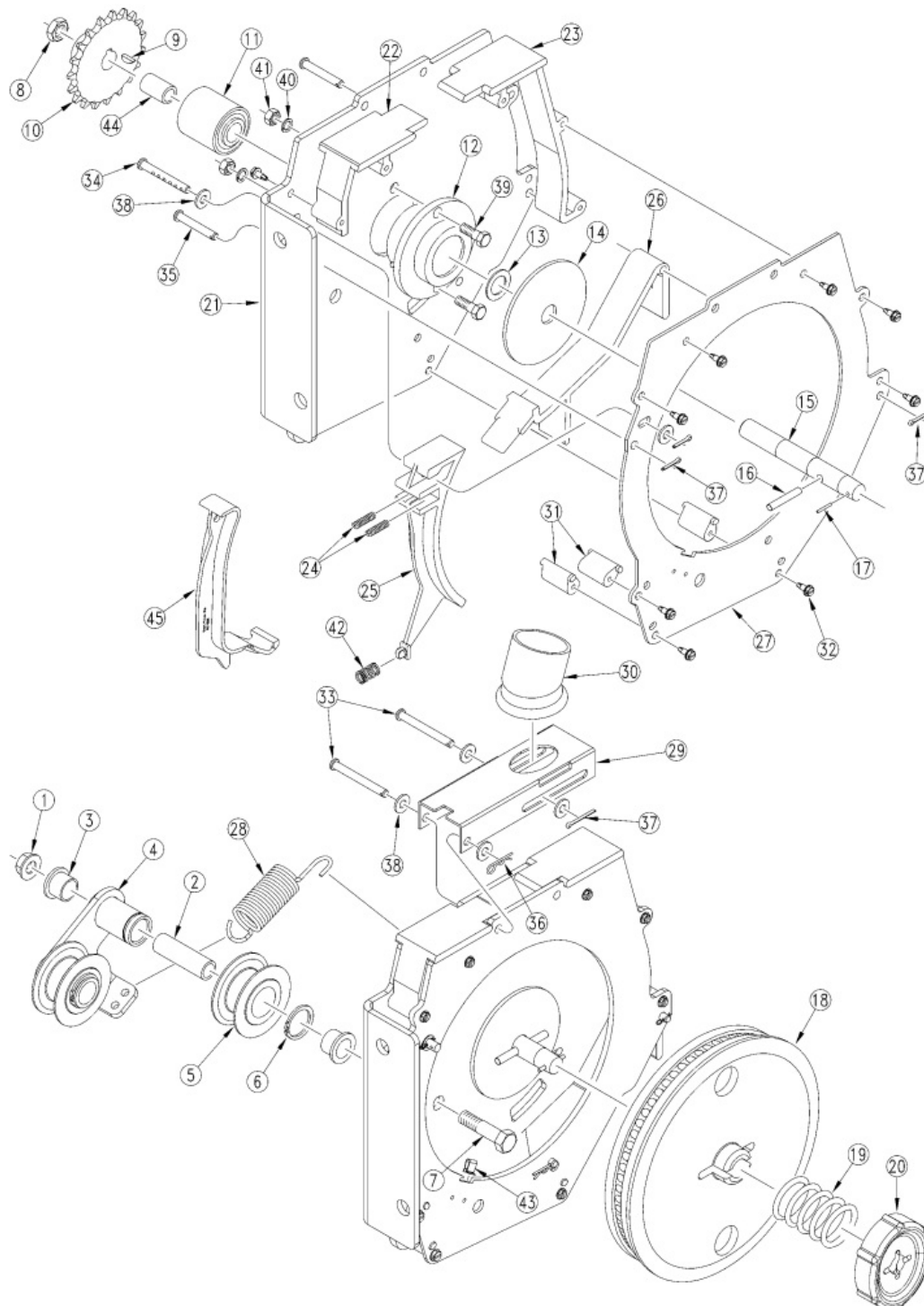
Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG19199	Image No.	
1	118-770H	SEED TRAY WELDM 24-P X 7 1/2	
1	118-771H	SEED TRAY WELDM 24-P X 10	
1	118-760H	SEED TRAY WELDM 25-BM X 15	
2	816-331C	UPPER SEED TUBE GROMMET	
3	800-104C	RPBY 800-125C	
4	118-539D	PSS OUTER SLIDING SEED TUBE	
5	817-400C	PSS INNER SLIDING SEED TB 19.0	
6	800-311C	RPBY 800-124C	

Great Plains *Singulating Meter*

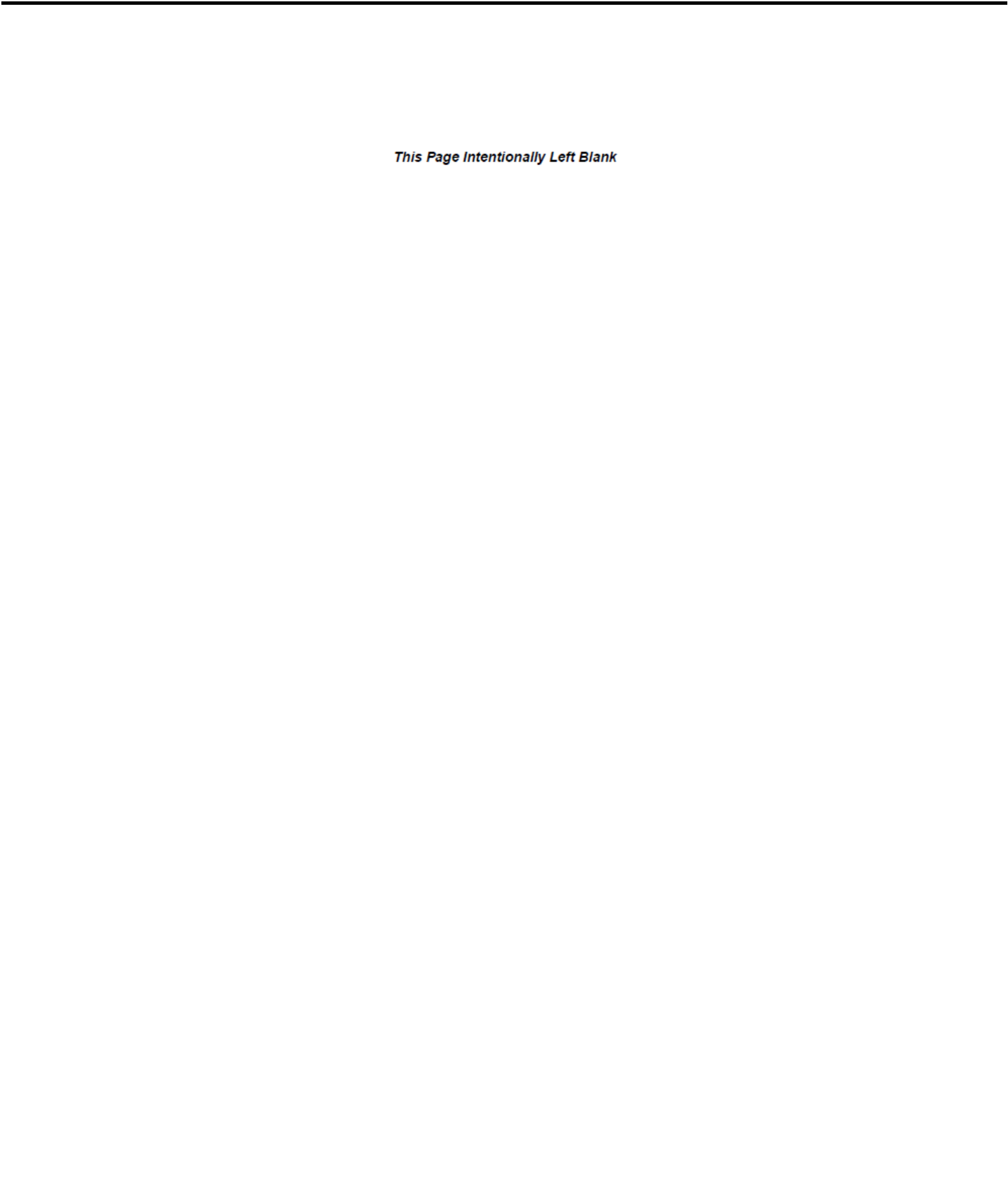
Metering System

Applies to Models: 2410P, 2420P



Applies to Models: 2410P, 2420P

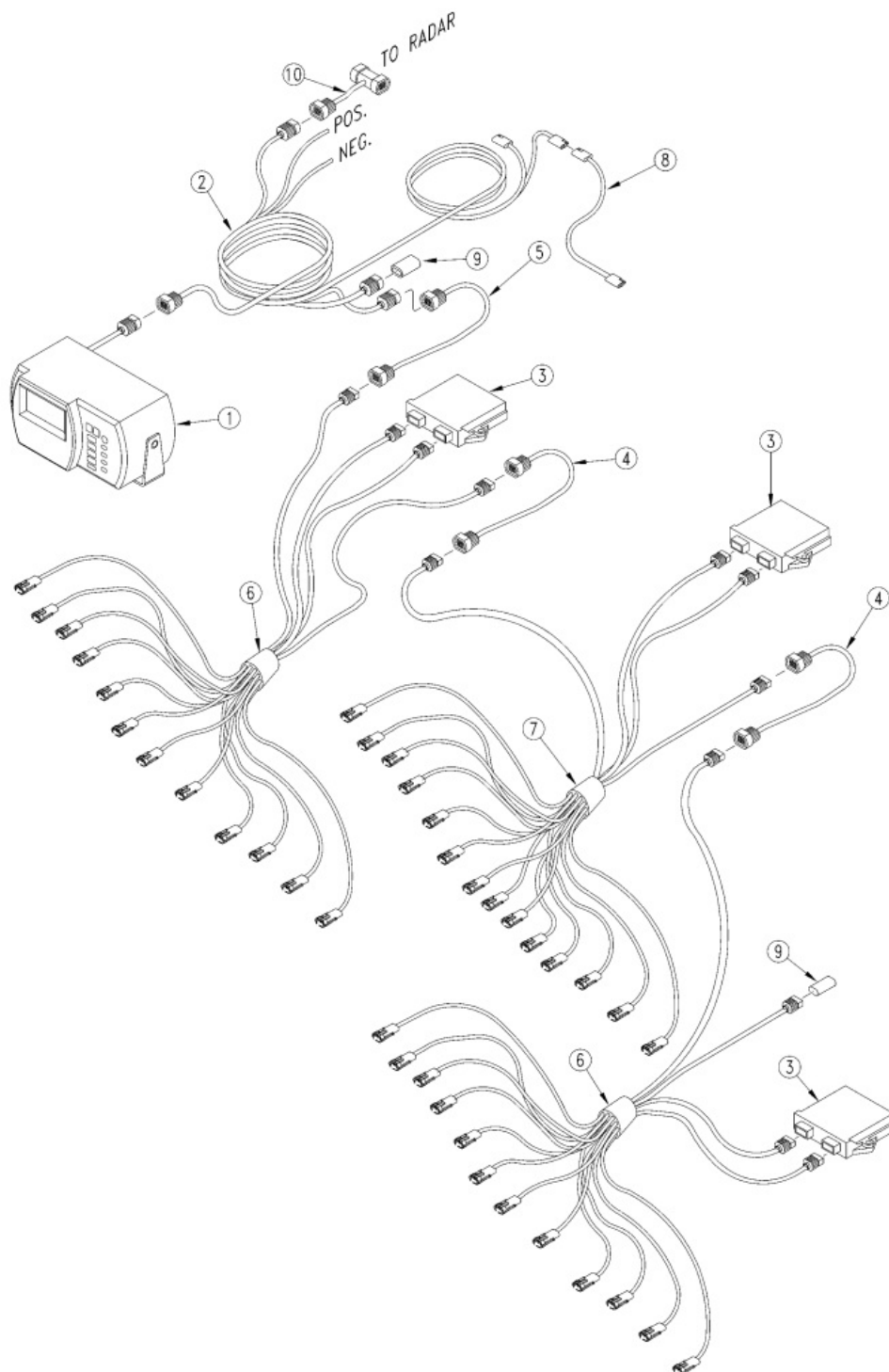
Ref.	Part No.	Part Description	Comments
	DWG18183	Image No.	
1	803-229C	NUT HEX FLANGE LOC 7/16-14 PLT	
2	402-282D	PSS IDLER INNER PIVOT TUBE	
3	817-083C	PRESS WHEEL ARM PIVOT BUSHING	
4	402-149H	PSS METER IDLER BRACKET WLDMT	
5	817-406C	IDLER 1 PC 2.38X1.01X1.062	
6	800-085C	SNAP RING EXT 1 HEAVY	
7	802-315C	HHCS 7/16-14X2 3/4 GR5	
8	803-302C	NUT HEX JAM NYLOCK 5/8-18 PLT	
9	800-046C	WOODRUFF KEY #606	
10	808-277C	SPKT 41B19 X 5/8 BORE W/KYWAY	
11	822-170C	BRG .63ID PRESS WHL ASY	
12	403-056D	PSS METER HUB	
13	804-111C	WASHER MACH 1.00 X .625 X 14GA	
14	403-058D	PSS METER WHEEL SUPPORT PLATE	
15	403-057D	PSS METER SHAFT SHORT	
16	805-146C	PIN ROLL 1/4 X 2 LG PL	
17	805-080C	PIN ROLL 1/8 X 1LG. PLT.	
18	403-061D	PSS SOYBEAN WHEEL 2700-3200	
18	403-066D	PSS SOYBEAN WHEEL 3100-3800	
18	403-068D	PSS SOYBEAN WHEEL 3600-4000	
18	403-070D	PSS SOYBEAN WHEEL 2200-2700	
18	403-071D	PSS SOYBEAN WHEEL 1700-2200	
18	403-142D	PSS MED RATE RICE-RIBBON	
18	403-095D	PSS HIGH RATE RICE-RIBBON	Use with part # 45 only
18	403-092D	PSS MILO WHEEL 51 POCKETS	2nd rev.
18	403-079D	RPBY 403-092D	1st rev.
18	403-093D	PSS MILO WHEEL 102 POCKETS	2nd rev.
18	403-080D	RPBY 403-093D	1st rev.
18	403-081D	PSS MILO WHEEL 135 POCKETS	
18	403-082D	PSS MILO WHEEL 270 POCKETS	
18	403-090D	PSS MILO WHEEL 135 POCKETS	
18	403-091D	PSS MILO WHEEL 270 POCKETS	
18	403-085D	PSS WHEAT WHEEL-HIGH RATE	
18	403-060D	PSS WHEAT WHEEL	
18	403-094D	PSS VOLUMETRIC #3	
18	403-076D	PSS COTTON WHEEL 5200-6000	
18	403-077D	PSS COTTON WHEEL 4600-5200	
18	403-078D	PSS COTTON WHEEL 4000-4600	
18	403-083D	PSS CORN RNDS 1400-1900 28CELL	
18	403-096D	PSS CORN RNDS 1700-2200 28CELL	
18	403-098D	PSS CORN RNDS 1700-2000 42CELL	3rd rev.
18	403-097D	PSS CORN RNDS 1400-1700 42CELL	3rd rev.
18	403-084D	PSS CORN RNDS 1400-1900 56CELL	2nd rev.
18	403-075D	CORN WHL FLAT&RND -OBSOLETE-	1st rev.
18	403-086D	PSS CORN FLAT 1500-1675 28CELL	
18	403-088D	PSS CORN FLAT 1625-1800 28CELL	
18	403-425D	PSS LOW RATE RICE-RIBBON	
18	403-426D	LOW RATE RICE-RIBBON-GRN	
19	807-187C	SPRING COMP 1.46ODX1.5X.112W	



Ref.	Part No.	Part Description	Comments
20	817-425C	KNOB	2nd rev.
20	403-052D	RPBY 817-425C	1st rev.
21	403-053D	PSS METER MOUNT PLATE FORMED	
22	817-403C	METER FRONT CAP	
23	817-404C	METER REAR CAP	
24	807-186C	SPRING COMP .39ODX.75LGX.047W	
25	817-405C	METER SEED CUTOFF SLIDE	
26	817-402C	METER CLEANOUT DOOR	
27	403-054D	PSS METER COVER PLATE	
28	807-185C	SPRING EX 10DX3.5LX.105 OFFSET	
29	403-055D	PSS METER TOP CAP FORMED	
30	816-332C	LOWER SEED TUBE GROMMET	
31	817-407C	METER SPACER .5X.141X1.062	
32	801-160C	HWHSTS #10-24X1/2 TYPE F SCREW	
33	805-182C	PIN CLVS .25X2.11 USBL	
34	805-298C	PIN CLVS .25X2.0 ADJUSTABLE	
35	805-296C	PIN CLEVIS 1/4X1 31/64 USBL	
36	805-302C	PIN HAIR COTTER .059W 15/16LG	
37	805-307C	PIN COTTER 3/32 X 5/8	
38	804-007C	WASHER FLAT 1/4 SAE PLT	
39	802-159C	HHCS 5/16-18X1 GR5	
40	804-009C	WASHER LOCK SPRING 5/16 PLT	
41	803-008C	NUT HEX 5/16-18 PLT	
42	807-194C	SPRING COMP .39ODX.69LX.043WSS	
43	800-319C	CLIP, U-TYPE .156 PANEL X .63W	
44	403-064D	BM METER SHAFT SPACER	
45	817-529C	FLOW GATE	Use with Wheel 403-095D only

Monitor 833-285C 7.5" Spacing (S/N FF1194+)

Applies to Models: 2410P, 2420P



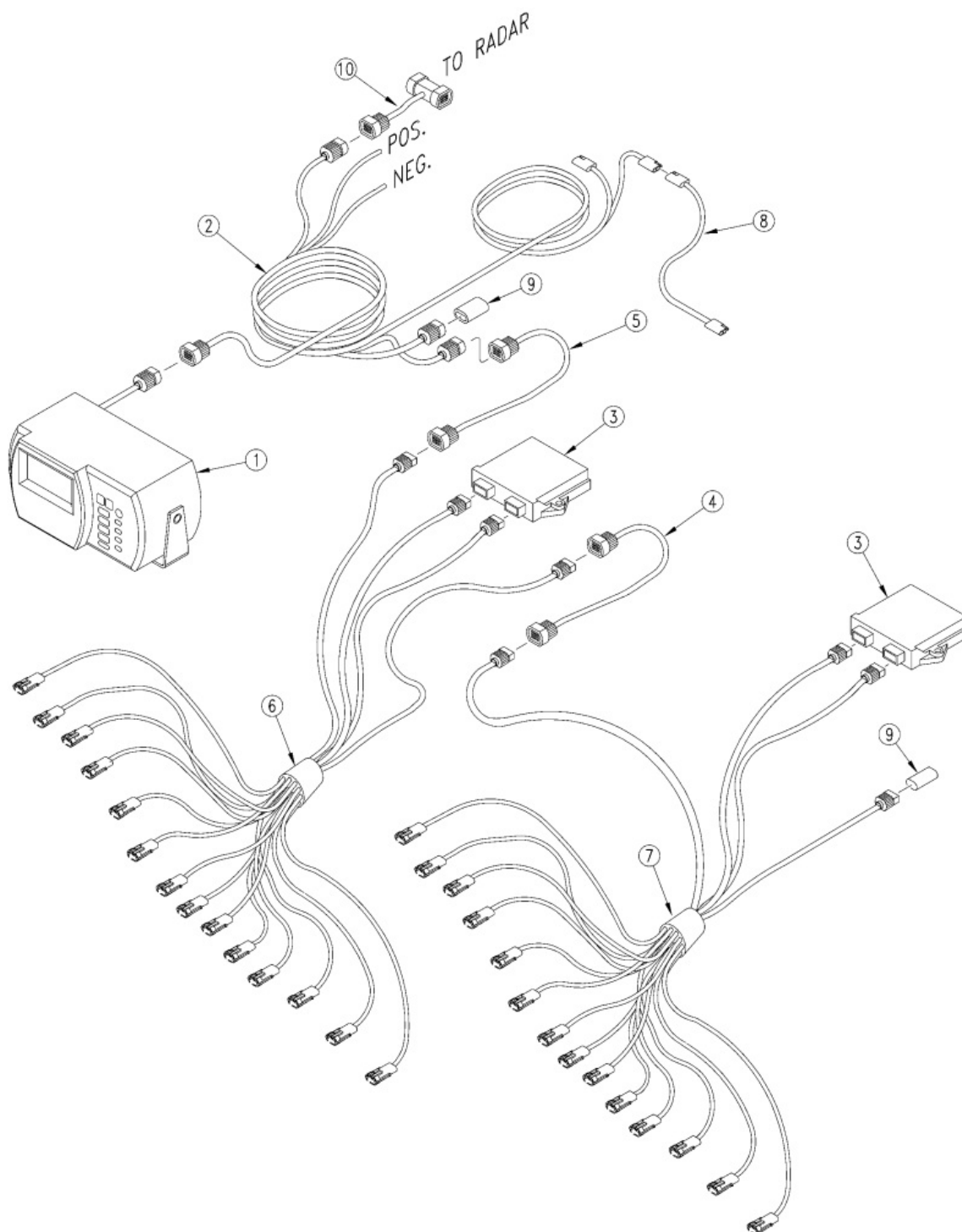
Monitor 833-285C 7.5" Spacing (S/N FF1194+)

Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG21542	Image No.	
1	466822000S1	DJ SE SEED MANAGER CONSOLE	
2	466820134S1	DJ SE SEED MANAGER 4WD CAB HAR	
3	467751130S1	DJ 16-ROW MODULE	
4	467751202S1	DJ HARN EXTENSION 10 FT SMSE	
5	467751206S1	DJ HARNESS EXTENSION 30' SMSE	
6	467751435S1	DJ HARN, 12R 24P 7.5	
7	467751442S1	DJ HARN, 14R, 24P, 7.5	
8	466820835S1	DJ EXT. HARNESS 30' 2 PIN	
9	464211340	PLUG DJ SE SEED MAN MOD CABLE	
10	833-197C	DJ Y-CABLE CNH MAGNUM	
10	833-198C	DJ Y-CABLE MAGNAVOX ADAPTER	
10	833-199C	DJ Y-CABLE GENESIS	
10	833-195C	DJ Y-CABLE CAT 65,75 A & B	
10	833-196C	DJ Y-CABLE CAT 35-55-65-95E	

Monitor 833-286C 10" Spacing (S/N FF1194+)

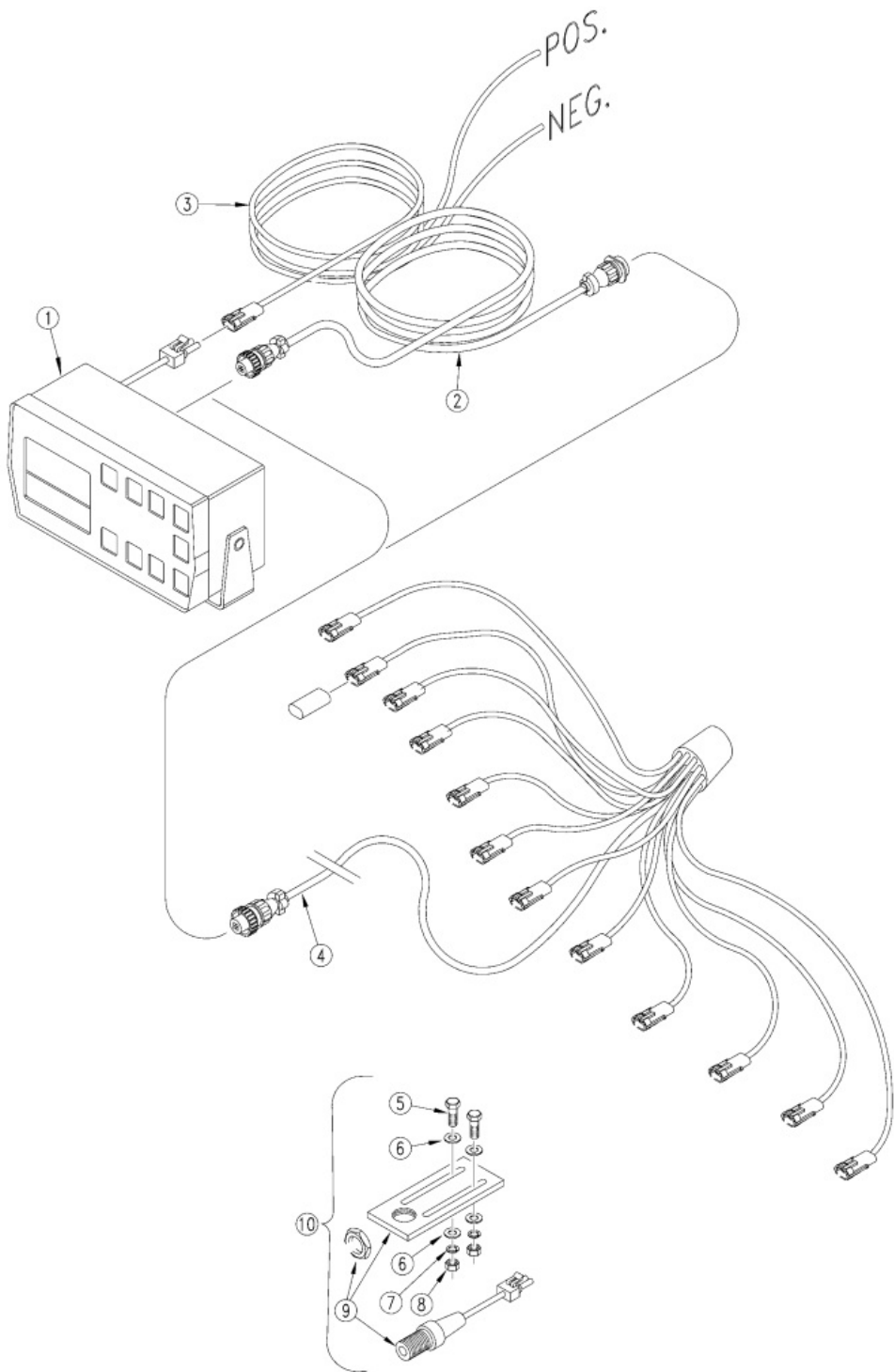
Applies to Models: 2410P, 2420P



Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG21543	Image No.	
1	466822000S1	DJ SE SEED MANAGER CONSOLE	
2	466820134S1	DJ SE SEED MANAGER 4WD CAB HAR	
3	467751130S1	DJ 16-ROW MODULE	
4	467751200S1	DJ HARNESS EXTENSION 4' SM	
5	467751206S1	DJ HARNESS EXTENSION 30' SMSE	
6	467751440S1	DJ HARN, 14R 24P 10 LH	
7	467751441S1	DJ HARN, 14R 24P 10 RH	
8	466820835S1	DJ EXT. HARNESS 30' 2 PIN	
9	464211340	PLUG DJ SE SEED MAN MOD CABLE	
10	833-197C	DJ Y-CABLE CNH MAGNUM	
10	833-198C	DJ Y-CABLE MAGNAVOX ADAPTER	
10	833-199C	DJ Y-CABLE GENESIS	
10	833-195C	DJ Y-CABLE CAT 65,75 A & B	
10	833-196C	DJ Y-CABLE CAT 35-55-65-95E	

Applies to Models: 2410P, 2420P



Monitor (S/N FF1193-)

Applies to Models: 2410P, 2420P

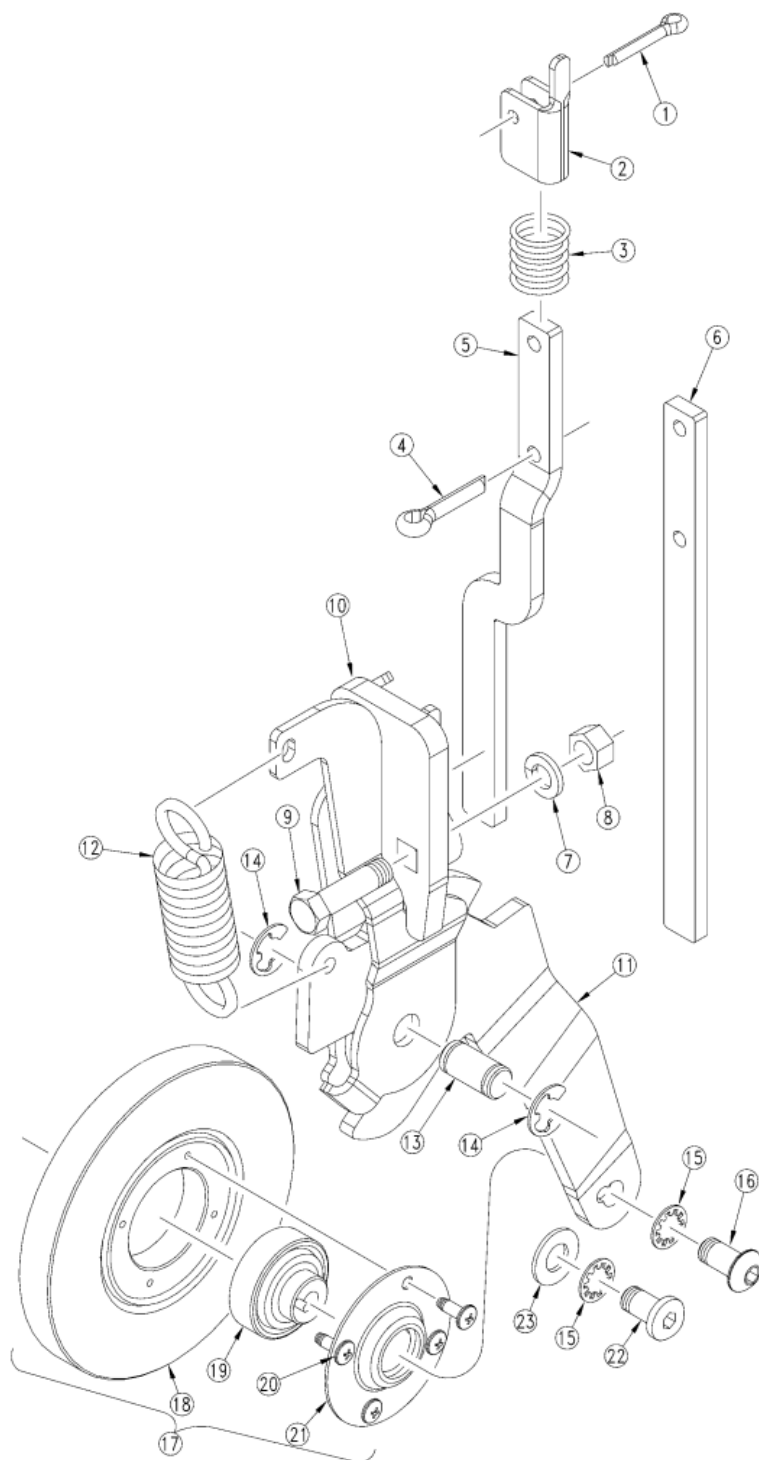
Ref.	Part No.	Part Description	Comments
	DWG18438	Image No.	
1	833-169C	REPLACED BY 833-407C	
2	833-183C	DJ CABLE EXTENSION 15 FT	Use with No-Till Hitches.
3	833-189C	WIRING HARNESS, BATTERY LEADS	
4	833-230C	24P 7.5" MONITOR HARNESS	
4	833-231C	24P 10" MONITOR HARNESS	
4	833-229C	2515P BM MONITOR HARNESS	
5	802-004C	HHCS 1/4-20X3/4 GR5	
6	804-007C	WASHER FLAT 1/4 SAE PLT	
7	804-006C	WASHER LOCK SPRING 1/4 PLT	
8	803-006C	NUT-HEX 1/4-20 PLT	
9	833-200C	DJ MAGNETIC PICKUP	Includes pickup, jam nut, & plate.
10	402-151K	MAG PICKUP KIT 10P & 20P	

Great Plains

10 & 20 Series Seed-Lok

Openers

Applies to Models: 2410P, 2420P



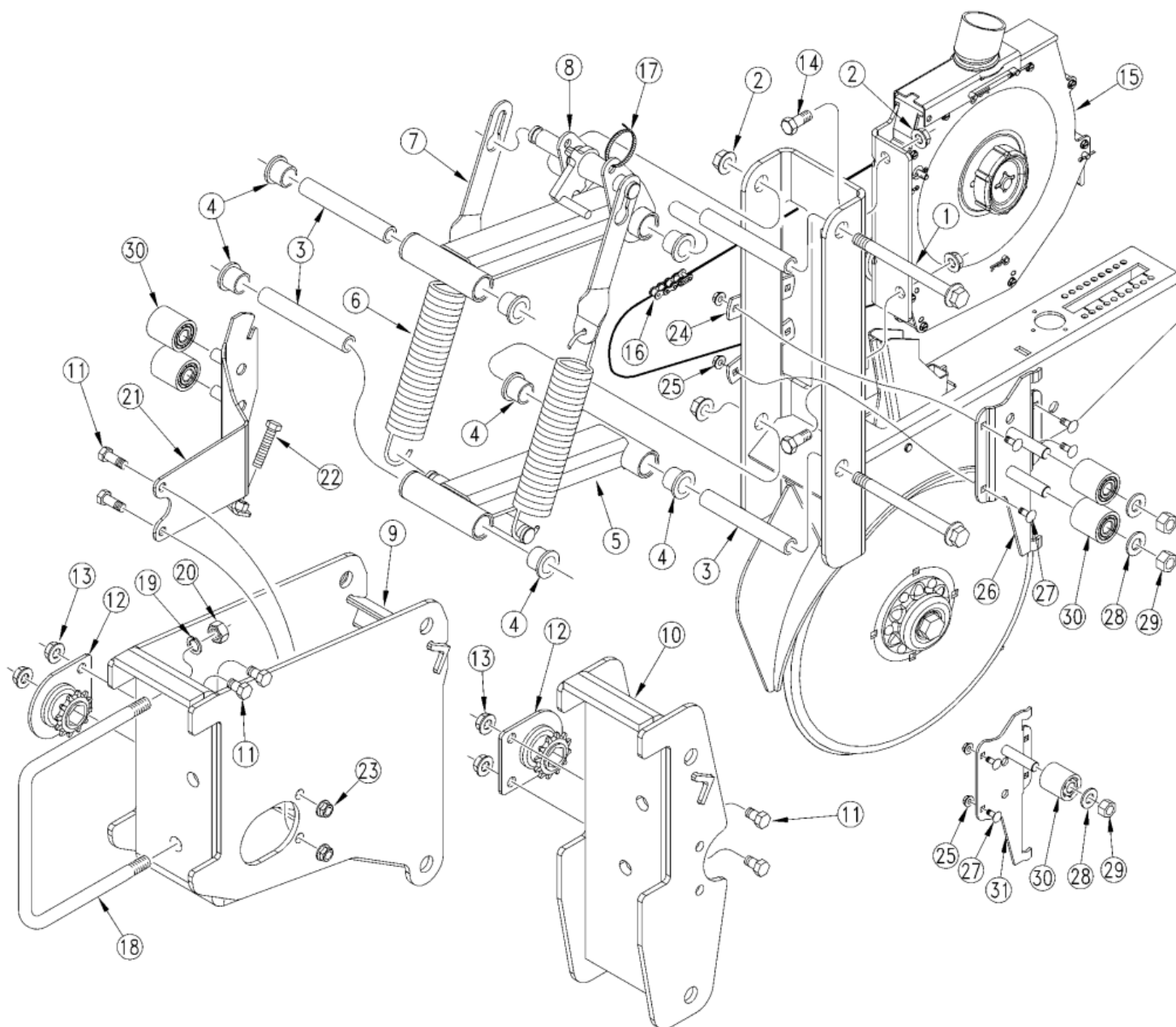
10 & 20 Series Seed-Lok

Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG20039	Image No.	
1	805-069C	PIN COTTER 3/16 X 1	
2	122-166D	SEED LOCK LOCK-UP CAM	
3	807-188C	SPRING COMP .85ODX2.0LGX.067W	
4	805-020C	PIN COTTER 1/4 X 1 PLT	
5	122-167D	10 SER SEED LOCK LOCK-UP BAR	Shown.
6	122-165D	20 SER SEED LOCK LOCK-UP BAR	
7	804-013C	WASHER LOCK SPRING 3/8 PLT	
8	803-014C	NUT HEX 3/8-16 PLT	
9	802-022C	HHCS 3/8-16X1 1/2 GR5	
10	122-250H	SEED LOCK MOUNT, SINGULATING	
11	122-164D	SEED LOCK ARM, SINGULATING	
12	807-101C	SPRING, 1 O.D.X.125WIREX 3 1/2	
13	122-120D	5 SEED-LOK WHL ARM PIVOT PIN	
14	800-093C	E-CLIP STEEL 1/2	
15	804-078C	WASHER INTERNAL STAR 3/8 PLT.	
16	801-078C	SCR HX SKT BUT CP 3/8-16X3/4	20 Series only.
17	122-201S	SD-LK 203 BEARING WHEEL ASSY	
18	817-134C	5/8 X 5 SEED FIRING WHEEL	
19	188-008V	BEARING 203 SEED-LOK WITH PIN	
20	801-084C	SCR PH THD FMG #10X1/2 TP ZP	
21	816-173C	RETAINER W/BONDED SEAL 4BLT	
22	801-141C	LHS CP 3/8-16X3/4 GR8 PLATED	10 Series only.
23	804-011C	WASHER FLAT 3/8 USS PLT	10 Series only.

10 Series Opener Arms & Mounts (S/N FF1125-)

Applies to Models: 2410P



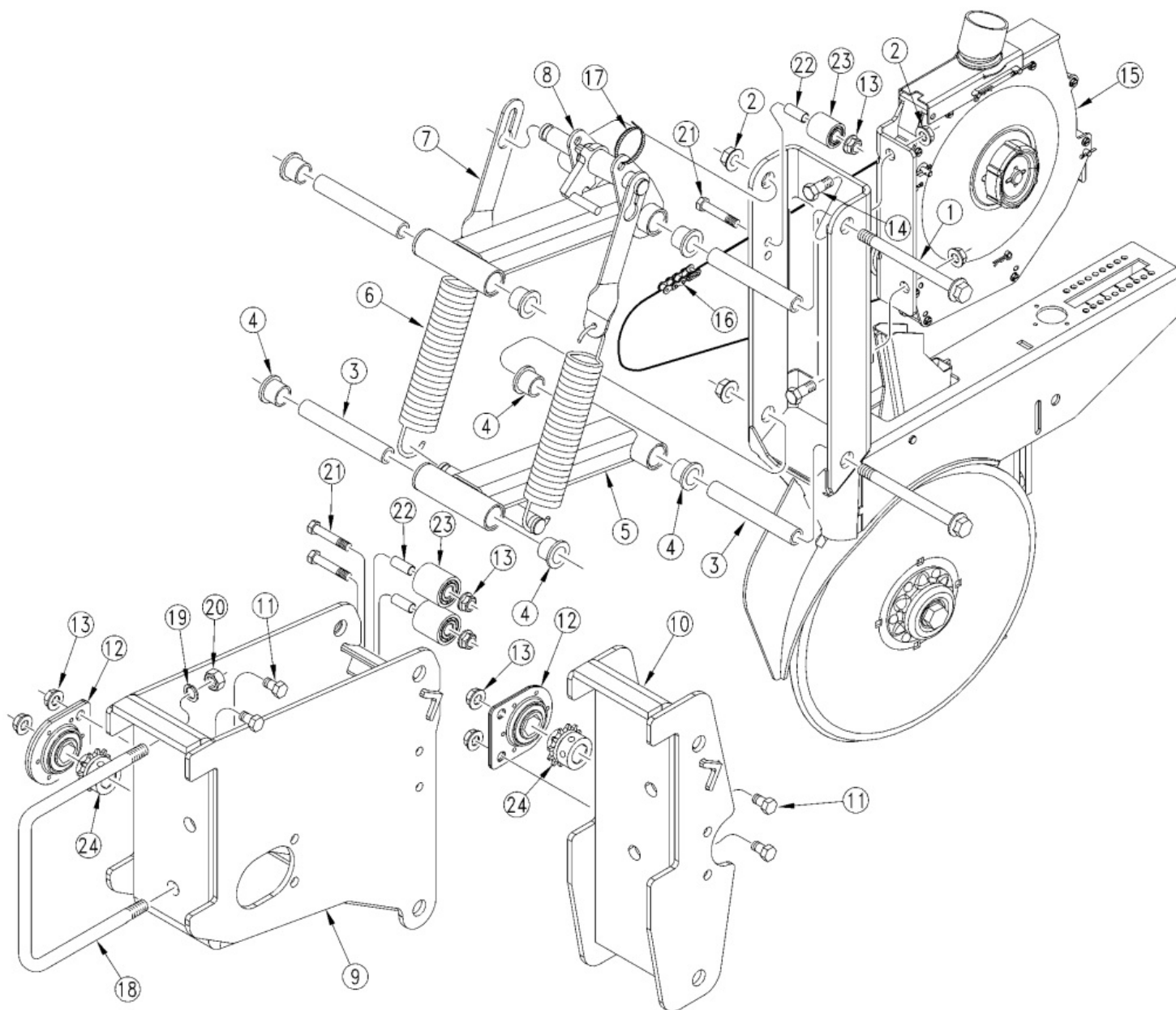
10 Series Opener Arms & Mounts (S/N FF1125-)

Applies to Models: 2410P

Ref.	Part No.	Part Description	Comments
	DWG18189	Image No.	
1	802-419C	HFS 1/2-13 X 5 3/4	
2	803-169C	NUT HEX FLG LOCK 1/2-13 PLT	
3	198-246D	SING OPENER INNER PIVOT TUBE	
4	817-084C	PARALLEL ARM PIVOT BUSHING	
5	198-619H	SING OPENER LOWER ARM WELDMENT	
6	807-116C	SPRING EXT 1 5/8OD X 6.6X.177	
7	198-239D	6 13/16 SPRING STRAP	
8	198-618H	SING OPENER UPPER ARM WELDMENT	
9	198-614H	PSS OPENER MOUNT REAR WLDMT	
10	198-613H	PSS OPENER MOUNT FRONT WLDMT	
11	802-017C	HHCS 3/8-16X1 GR5	
12	403-059D	SPKT 41B12 7/8 HEX W/BEARING	
13	803-209C	NUT FLANGE LOCK 3/8-16 PLT	
14	802-258C	HHCS 1/2-13X1 GR5	
15	403-104K	PSS METER ASSEMBLY	
16	136-160D	CHAIN RL #41 81 PITCHES	Front Opener.
16	136-159D	CHAIN RL #41 124 PITCHES	Rear Opener.
17	800-303C	CABLE TIE 2 DIA MIN - BLK	Used with monitor seed tubes.
18	806-053C	U-BOLT 5/8-11 X 7 1/32 X 6 1/2	
19	804-022C	WASHER LOCK SPRING 5/8 PLT	
20	803-021C	NUT HEX 5/8-11 PLT	
21	198-949H	IDLER BRKT, FRONT	
22	802-620C	HHCS 3/8-16X1 3/4 FULL THD PLT	
23	803-198C	NUT HEX WHIZ 3/8-16 PLT	
24	198-254D	IDLER BRACKET, REAR,BOLT STRAP	
25	803-194C	NUT HEX WHIZ 1/4-20 PLT	
26	198-948H	IDLER BRKT, REAR, REAR STAGGER	Rear Opener
27	802-002C	RHSNB 1/4-20X3/4 GR5	
28	804-016C	WASHER FLAT 1/2 SAE PLT	
29	803-019C	NUT LOCK 1/2-13 PLT	
30	817-480C	IDLER SPOOL 1.44OD X.53B X1.5L	
31	198-947H	IDLER BRKT, REAR, FRNT STAGGER	Front Opener

10 Series Opener Arms & Mounts (S/N FF1157+)

Applies to Models: 2410P



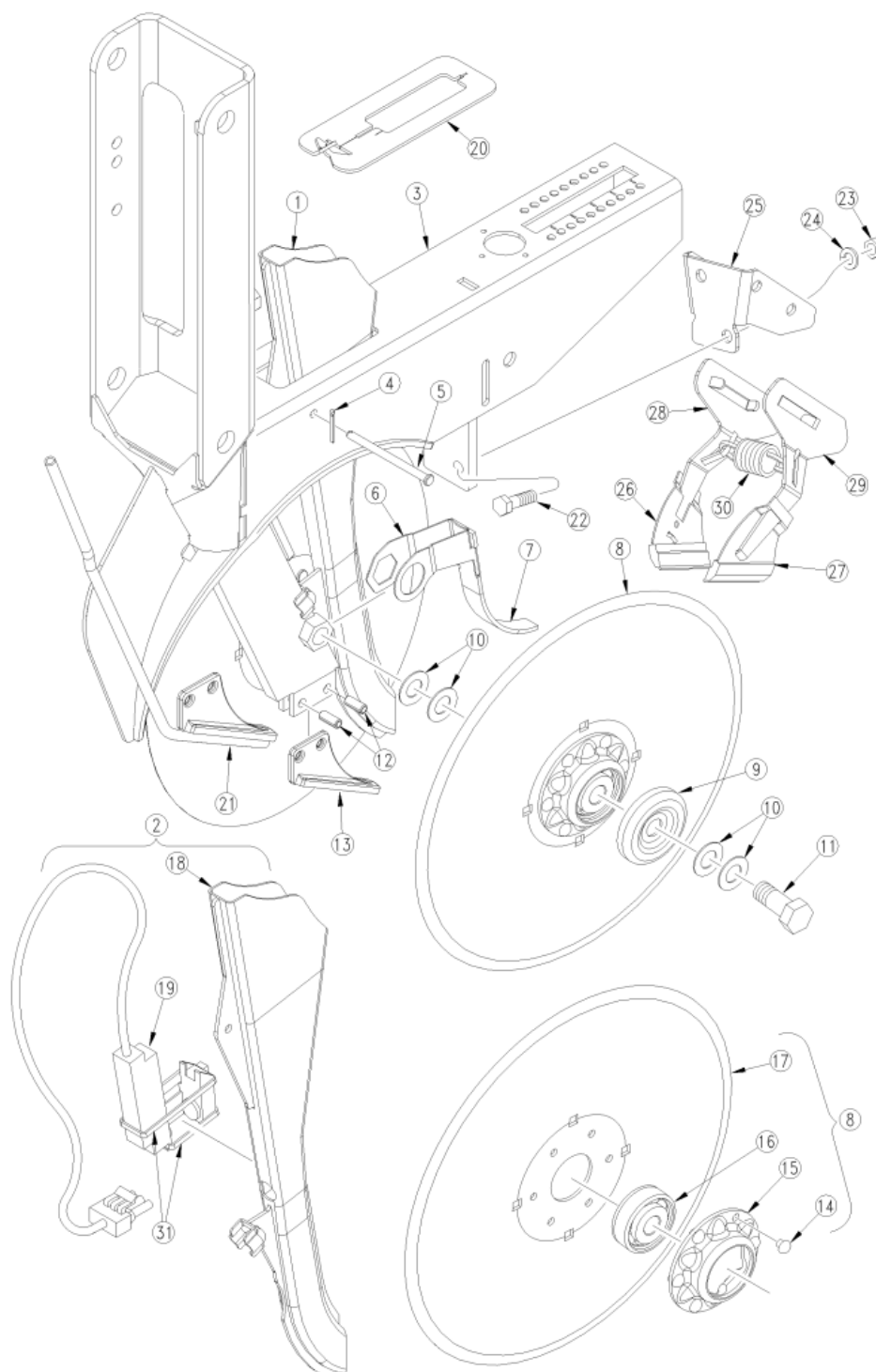
10 Series Opener Arms & Mounts (S/N FF1157+)

Applies to Models: 2410P

Ref.	Part No.	Part Description	Comments
	DWG19655	Image No.	
1	802-419C	HFS 1/2-13 X 5 3/4	
2	803-169C	NUT HEX FLG LOCK 1/2-13 PLT	
3	198-246D	SING OPENER INNER PIVOT TUBE	
4	817-084C	PARALLEL ARM PIVOT BUSHING	
5	198-619H	SING OPENER LOWER ARM WELDMENT	
6	807-116C	SPRING EXT 1 5/8OD X 6.6X.177	
7	198-239D	6 13/16 SPRING STRAP	
8	198-618H	SING OPENER UPPER ARM WELDMENT	
9	198-614H	PSS OPENER MOUNT REAR WLDMT	
10	198-613H	PSS OPENER MOUNT FRONT WLDMT	
11	802-017C	HHCS 3/8-16X1 GR5	
12	403-059D	SPKT 41B12 7/8 HEX W/BEARING	2008-
12	822-239C	PEER 7/8 HEX BRG AND MNT	2009+
13	803-209C	NUT FLANGE LOCK 3/8-16 PLT	
14	802-258C	HHCS 1/2-13X1 GR5	
15	403-104K	PSS METER ASSEMBLY	
16	136-160D	CHAIN RL #41 81 PITCHES	Front Opener.
16	136-159D	CHAIN RL #41 124 PITCHES	Rear Opener.
17	800-303C	CABLE TIE 2 DIA MIN - BLK	Used with monitor seed tubes.
18	806-053C	U-BOLT 5/8-11 X 7 1/32 X 6 1/2	
19	804-022C	WASHER LOCK SPRING 5/8 PLT	
20	803-021C	NUT HEX 5/8-11 PLT	
21	802-114C	HHCS 3/8-16X2 1/2 GR5	
22	198-257D	IDLER SPACER TUBE 1/2OD X 1.56	
23	817-480C	IDLER SPOOL 1.44OD X.53B X1.5L	
24	808-395C	SPKT 41C12 W/SS SPCL PLT	2009+

10 Series Opener Body (S/N FF1192-)

Applies to Models: 2410P



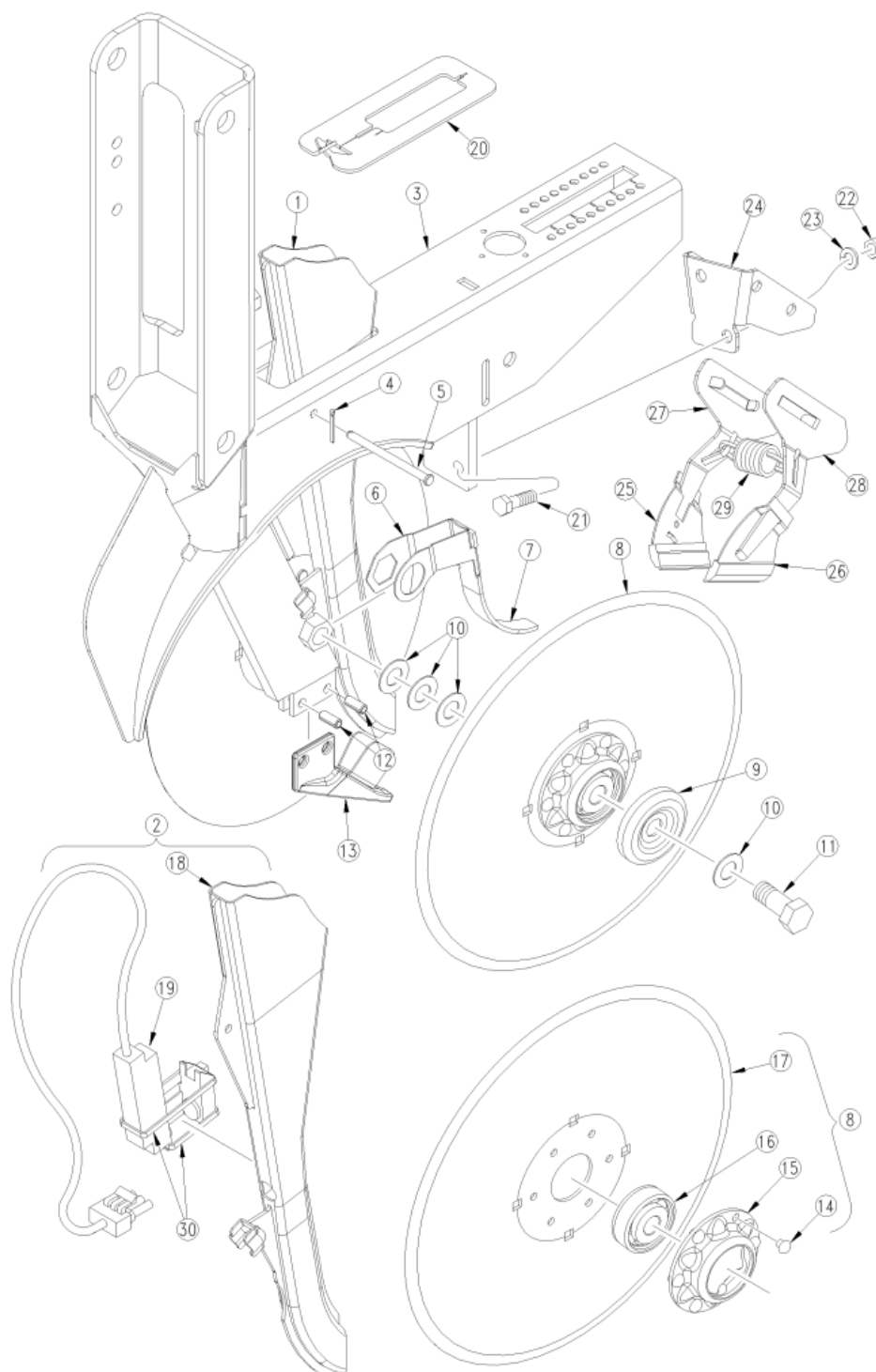
10 Series Opener Body (S/N FF1192-)

Applies to Models: 2410P

Ref.	Part No.	Part Description	Comments
	DWG18190	Image No.	
1	817-413C	SEED DROP TUBE NO SENSOR HOLE	
2	198-738S	SEED TUBE W/DJ SENSOR 10&20	
3	198-616H	10 SERIES SINGULATING OPENER	If S/N FF1125 and below, part #13 (812-298C) or part #21 (122-258C) must also be ordered
4	805-063C	PIN COTTER 3/32 X 1 LONG	
5	805-299C	PIN CLVS .25X3.34 USBL	
6	198-241D	SEED FLAP MOUNTING CLIP, SING	
7	816-302C	SEED FLAP, RUBBER, SEED-LOK	Used with Seed-Lok (shown).
7	817-349C	SEED FLAP, UHMW, LONG	Used without Seed-Lok.
8	107-133S	RPBY 107-135S	
9	107-111D	DD BRG FLANGE DUST COVER	
10	804-040C	WASHER MACH 1.19 X .63 X 18GA	
11	802-228C	HHCS 5/8-11X1 1/2 GR5 NYL	
12	805-280C	PIN ROLL 5/16 X 3/4 PLT	
13	812-298C	SCRAPER-SPREADER 10 SER 2002+	S/N FF1157+
13	812-297C	SCRAPER-SPREADER 10-20SER 1999	S/N FF1125-
14	800-213C	RIVET,BUTTON HEAD 1/4 X 1/2	
15	890-466C	HSG RIBB FLG 6BOLT PLT	
16	188-001V	BEARING AA205DD	
17	820-155C	RPBY 820-187C	
18	817-396C	SEED DROP TUBE W/ SENSOR HOLE	
19	843-191C	DJ STYLE WIDE SEED SENSOR	
20	816-383C	SEED TUBE GASKET, 10 SERIES	
21	122-258H	SEP &FERT TUBE 10 SER 2002+	Option S/N FF1157+
21	122-257H	SEP &FERT TUBE 10-20SER 1999	Option S/N FF1125-
22	802-079C	HHCS 3/8-16X1 1/4 GR5	
23	803-014C	NUT HEX 3/8-16 PLT	
24	804-013C	WASHER LOCK SPRING 3/8 PLT	
25	122-169D	10P AD OUTSIDE SCRAPER MOUNT	
26	AD21010	AIR DESIGN SCRAPER J.D.2.5W RH	
27	AD21011	AIR DESIGN SCRAPER J.D.2.5W LH	
28	AD21012	AIR DESIGN SCRAPER J.D.MNT RH	
29	AD21013	AIR DESIGN SCRAPER J.D.MNT LH	
30	AD21014	AIR DESIGN SCRAPER J.D.SPRING	
31	800-244C	CABLE TIE .19X15 PANDU BT4S-CO	

10 Series Opener Body (S/N FF1193+)

Applies to Models: 2410P

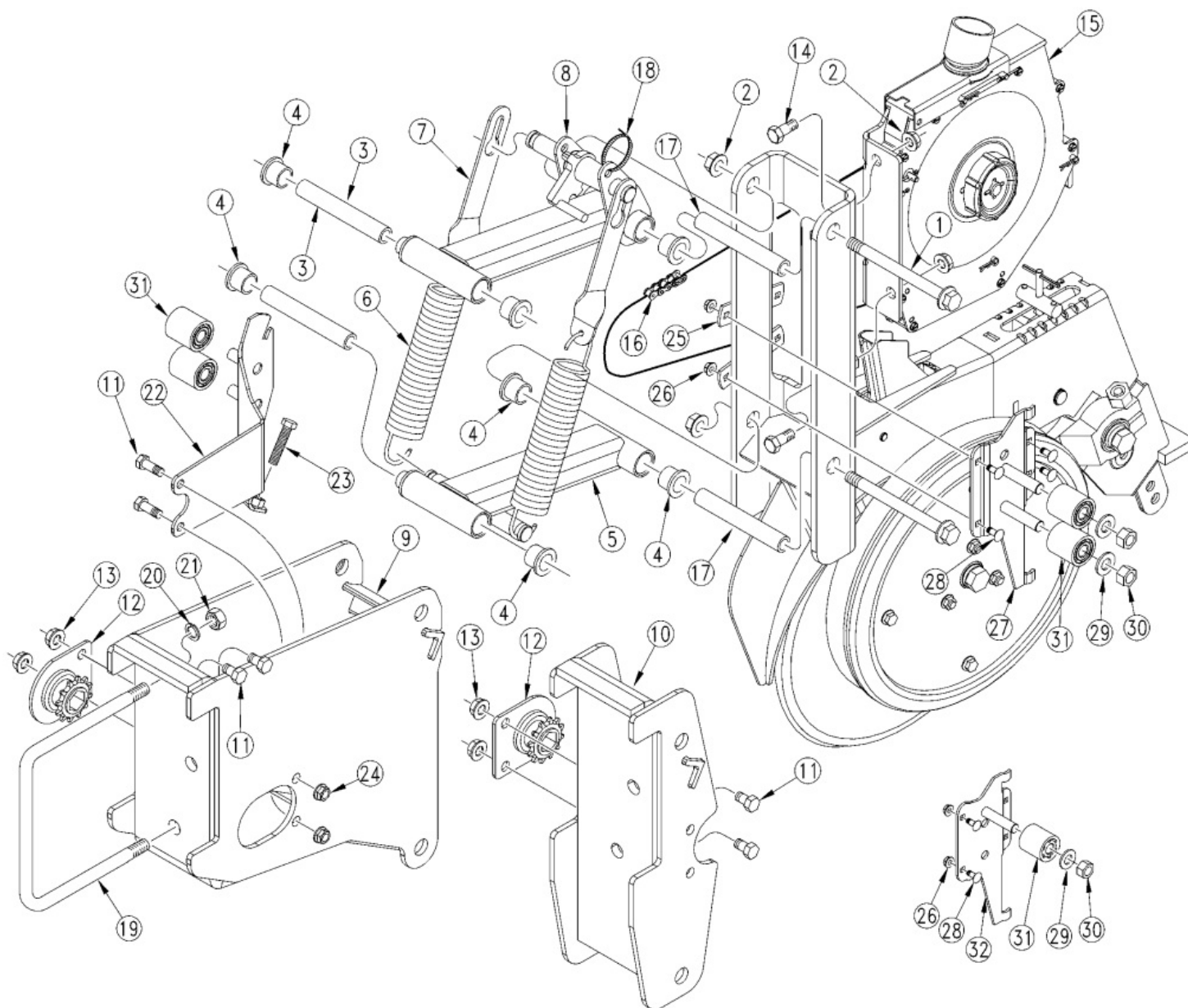


10 Series Opener Body (S/N FF1193+)

Applies to Models: 2410P

Ref.	Part No.	Part Description	Comments
	DWG20251	Image No.	
1	817-413C	SEED DROP TUBE NO SENSOR HOLE	
2	198-738S	SEED TUBE W/DJ SENSOR 10&20	
3	198-616H	10 SERIES SINGULATING OPENER	
4	805-063C	PIN COTTER 3/32 X 1 LONG	
5	805-299C	PIN CLVS .25X3.34 USBL	
6	198-241D	SEED FLAP MOUNTING CLIP, SING	
7	816-302C	SEED FLAP, RUBBER, SEED-LOK	
7	817-349C	SEED FLAP, UHMW, LONG	
8	107-138S	DD W/205 BRG-PLD FLNG-4MM	
9	107-111D	DD BRG FLANGE DUST COVER	
10	804-040C	WASHER MACH 1.19 X .63 X 18GA	
11	802-228C	HHCS 5/8-11X1 1/2 GR5 NYL	
12	805-335C	PIN ROLL 5/16 X 5/8 PLT	
13	198-491H	SCRAPER-SPREADER 10-20 SER	
14	800-213C	RIVET,BUTTON HEAD 1/4 X 1/2	
15	890-466C	HSG RIBB FLG 6BOLT PLT	
16	188-001V	BEARING AA205DD	
17	820-256C	FLAT DISK BLADE-4MM THICK	
18	817-396C	SEED DROP TUBE W/ SENSOR HOLE	
19	843-191C	DJ STYLE WIDE SEED SENSOR	
20	816-383C	SEED TUBE GASKET, 10 SERIES	
21	802-079C	HHCS 3/8-16X1 1/4 GR5	
22	803-014C	NUT HEX 3/8-16 PLT	
23	804-013C	WASHER LOCK SPRING 3/8 PLT	
24	122-169D	10P AD OUTSIDE SCRAPER MOUNT	
25	AD21010	AIR DESIGN SCRAPER J.D.2.5W RH	
26	AD21011	AIR DESIGN SCRAPER J.D.2.5W LH	
27	AD21012	AIR DESIGN SCRAPER J.D.MNT RH	
28	AD21013	AIR DESIGN SCRAPER J.D.MNT LH	
29	AD21014	AIR DESIGN SCRAPER J.D.SPRING	
30	800-244C	CABLE TIE .19X15 PANDU BT4S-CO	

Applies to Models: 2420P

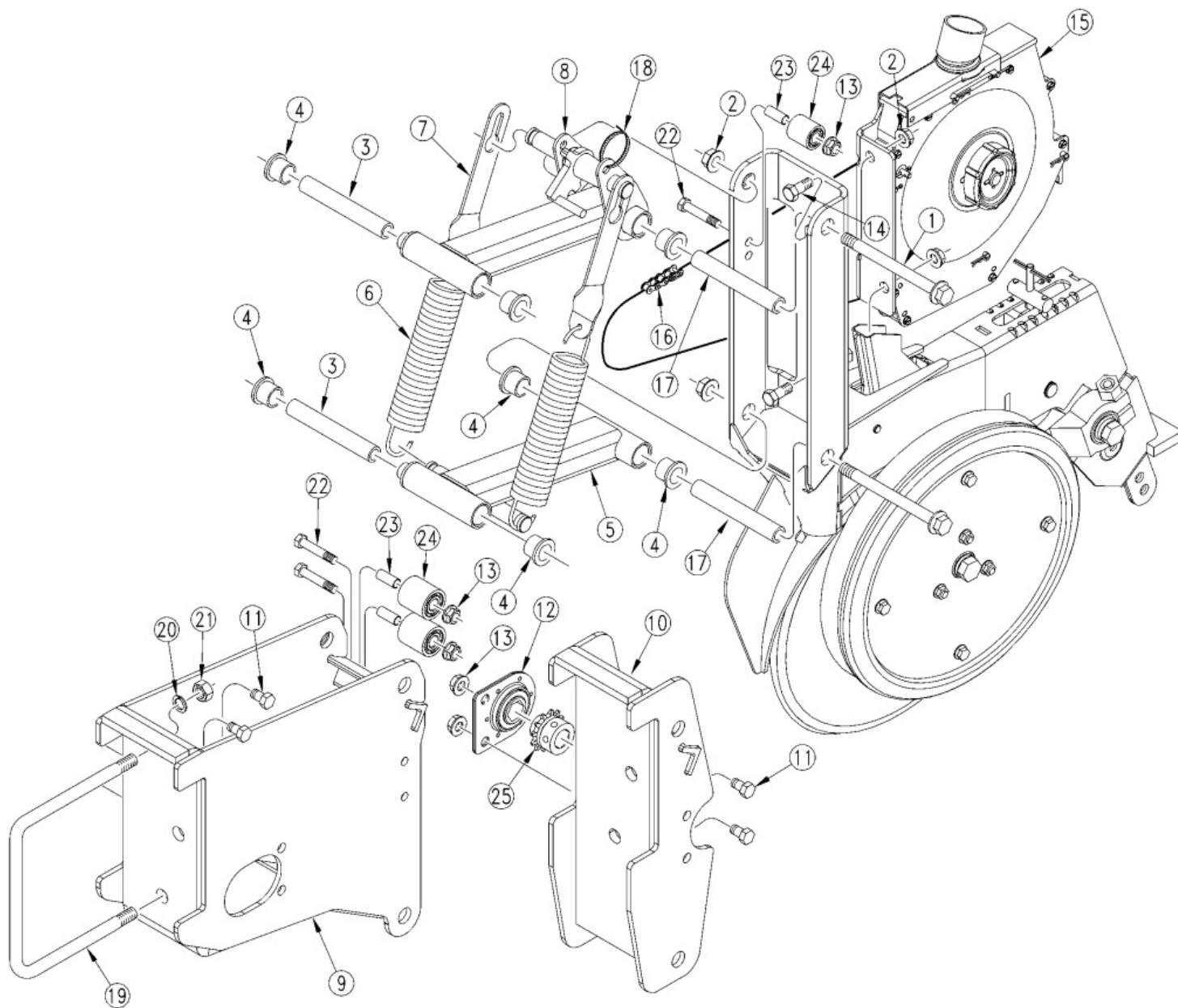


20 Series Opener Arms & Mounts (S/N FF1125-)

Applies to Models: 2420P

Ref.	Part No.	Part Description	Comments
	DWG18191	Image No.	
1	802-419C	HFS 1/2-13 X 5 3/4	
2	803-169C	NUT HEX FLG LOCK 1/2-13 PLT	
3	198-246D	SING OPENER INNER PIVOT TUBE	
4	817-084C	PARALLEL ARM PIVOT BUSHING	
5	198-619H	SING OPENER LOWER ARM WELDMENT	
6	807-116C	SPRING EXT 1 5/8OD X 6.6X.177	Used with 1x12 Press Wheels.
6	807-076C	SPRING EXT 1.575O.D.X.225 WIRE	Used with 1x10 Press Wheels.
7	198-239D	6 13/16 SPRING STRAP	Used with 807-116C.
7	198-240D	3 13/32 SPRING STRAP	Used with 807-076C.
8	198-618H	SING OPENER UPPER ARM WELDMENT	
9	198-614H	PSS OPENER MOUNT REAR WLDMT	
10	198-613H	PSS OPENER MOUNT FRONT WLDMT	
11	802-017C	HHCS 3/8-16X1 GR5	
12	403-059D	SPKT 41B12 7/8 HEX W/BEARING	
13	803-209C	NUT FLANGE LOCK 3/8-16 PLT	
14	802-258C	HHCS 1/2-13X1 GR5	
15	403-104K	PSS METER ASSEMBLY	
16	136-160D	CHAIN RL #41 81 PITCHES	Front openers.
16	136-159D	CHAIN RL #41 124 PITCHES	Rear openers.
17	198-247D	20 SER SING FRT INNER PIVOT TB	
18	800-303C	CABLE TIE 2 DIA MIN - BLK	Used with monitor seed tubes.
19	806-053C	U-BOLT 5/8-11 X 7 1/32 X 6 1/2	
20	804-022C	WASHER LOCK SPRING 5/8 PLT	
21	803-021C	NUT HEX 5/8-11 PLT	
22	198-949H	IDLER BRKT, FRONT	
23	802-620C	HHCS 3/8-16X1 3/4 FULL THD PLT	
24	803-198C	NUT HEX WHIZ 3/8-16 PLT	
25	198-254D	IDLER BRACKET, REAR,BOLT STRAP	
26	803-194C	NUT HEX WHIZ 1/4-20 PLT	
27	198-948H	IDLER BRKT, REAR, REAR STAGGER	Rear openers
28	802-002C	RHSNB 1/4-20X3/4 GR5	
29	804-016C	WASHER FLAT 1/2 SAE PLT	
30	803-019C	NUT LOCK 1/2-13 PLT	
31	817-480C	IDLER SPOOL 1.44OD X.53B X1.5L	
32	198-947H	IDLER BRKT, REAR, FRNT STAGGER	Front openers

Applies to Models: 2420P



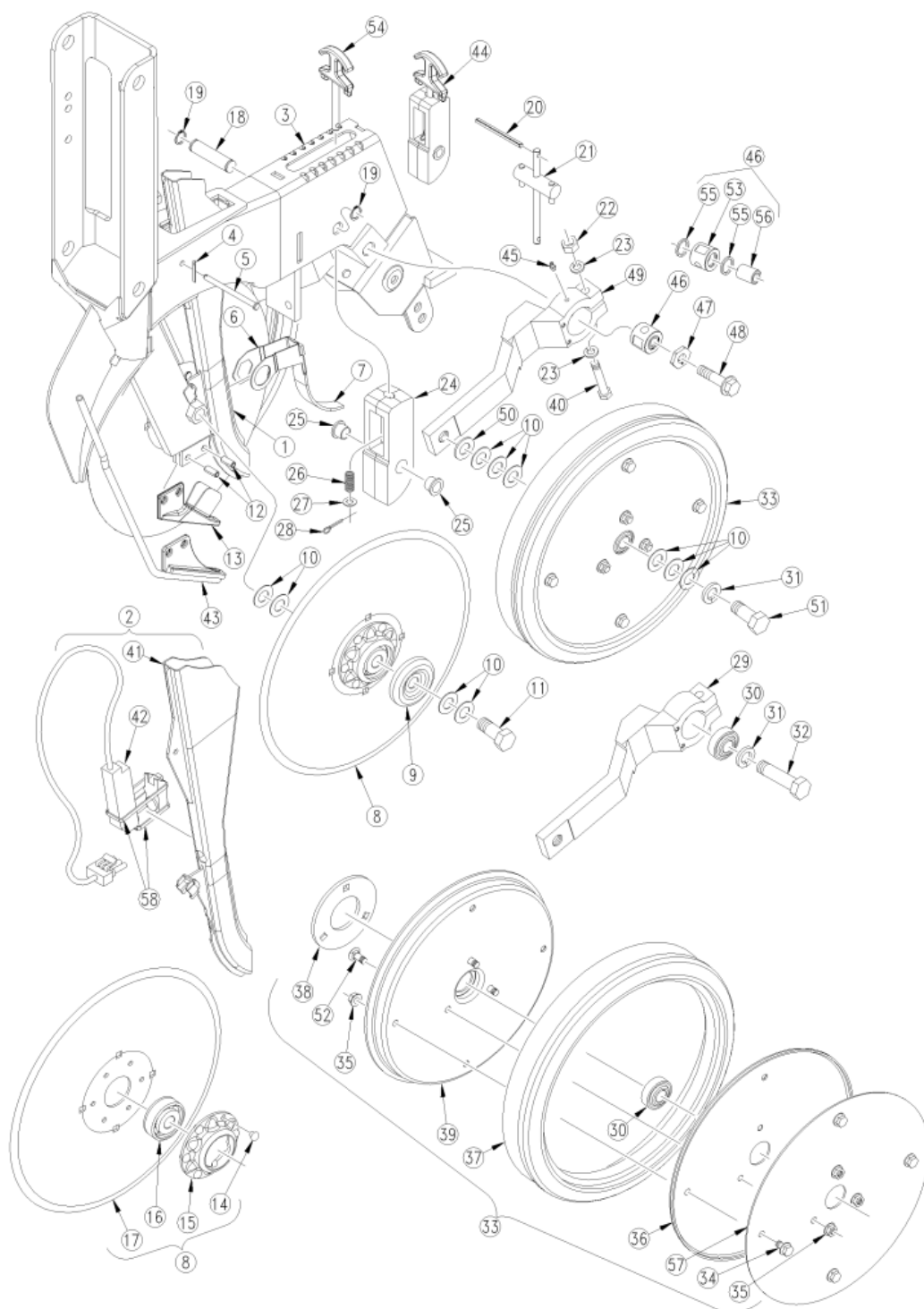
20 Series Opener Arms & Mounts (S/N FF1157+)

Applies to Models: 2420P

Ref.	Part No.	Part Description	Comments
	DWG19656	Image No.	
1	802-419C	HFS 1/2-13 X 5 3/4	
2	803-169C	NUT HEX FLG LOCK 1/2-13 PLT	
3	198-246D	SING OPENER INNER PIVOT TUBE	
4	817-084C	PARALLEL ARM PIVOT BUSHING	
5	198-619H	SING OPENER LOWER ARM WELDMENT	
6	807-116C	SPRING EXT 1 5/8OD X 6.6X.177	Used with 1x12 Press Wheels.
6	807-076C	SPRING EXT 1.575O.D.X.225 WIRE	Used with 1x10 Press Wheels.
7	198-239D	6 13/16 SPRING STRAP	Used with 807-116C.
7	198-240D	3 13/32 SPRING STRAP	Used with 807-076C.
8	198-618H	SING OPENER UPPER ARM WELDMENT	
9	198-614H	PSS OPENER MOUNT REAR WLDMT	
10	198-613H	PSS OPENER MOUNT FRONT WLDMT	
11	802-017C	HHCS 3/8-16X1 GR5	
12	403-059D	SPKT 41B12 7/8 HEX W/BEARING	
12	822-239C	PEER 7/8 HEX BRG AND MNT	2009+
13	803-209C	NUT FLANGE LOCK 3/8-16 PLT	
14	802-258C	HHCS 1/2-13X1 GR5	
15	403-104K	PSS METER ASSEMBLY	
16	136-160D	CHAIN RL #41 81 PITCHES	Front openers.
16	136-159D	CHAIN RL #41 124 PITCHES	Rear openers.
17	198-247D	20 SER SING FRT INNER PIVOT TB	
18	800-303C	CABLE TIE 2 DIA MIN - BLK	Used with monitor seed tubes.
19	806-053C	U-BOLT 5/8-11 X 7 1/32 X 6 1/2	
20	804-022C	WASHER LOCK SPRING 5/8 PLT	
21	803-021C	NUT HEX 5/8-11 PLT	
22	802-114C	HHCS 3/8-16X2 1/2 GR5	
23	198-257D	IDLER SPACER TUBE 1/2OD X 1.56	
24	817-480C	IDLER SPOOL 1.44OD X.53B X1.5L	
25	808-395C	SPKT 41C12 W/SS SPCL PLT	2009+

20 Series Opener Body

Applies to Models: 2420P



20 Series Opener Body

Applies to Models: 2420P

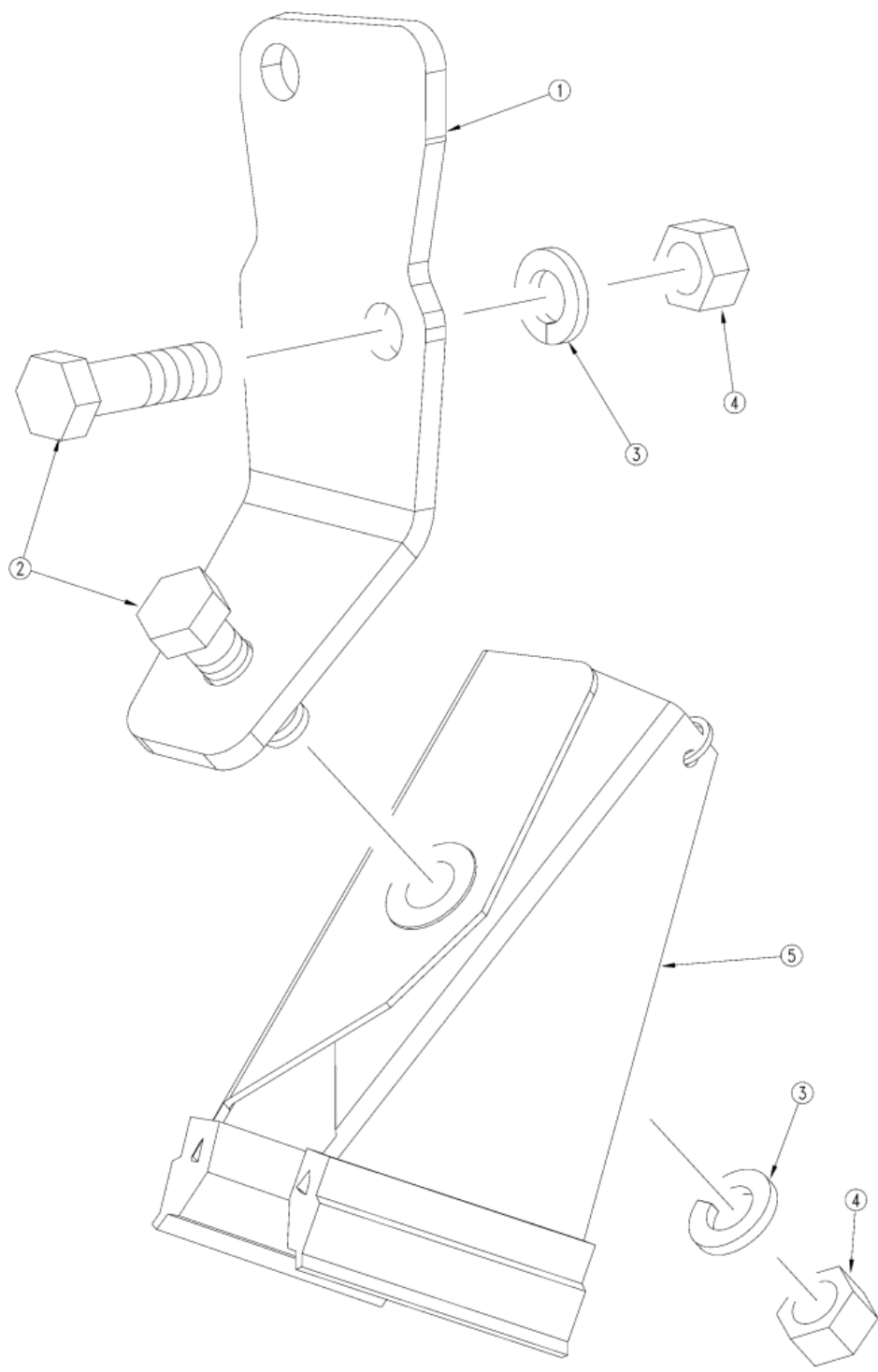
Ref.	Part No.	Part Description	Comments
	DWG18192	Image No.	
1	817-413C	SEED DROP TUBE NO SENSOR HOLE	
2	198-738S	SEED TUBE W/DJ SENSOR 10&20	
3	198-615H	20 SERIES SINGULATING OPENER	
4	805-063C	PIN COTTER 3/32 X 1	
5	805-299C	PIN CLVS .25X3.34 USBL	
6	198-241D	SEED FLAP MOUNTING CLIP, SING	
7	198-491H	SCRAPER-SPREADER 10-20 SER	
7	816-302C	SEED FLAP, RUBBER, SEED-LOK	
7	817-349C	SEED FLAP, UHMW, LONG	
8	107-138S	DD W/205 BRG-PLD FLNG-4MM	
8	107-133S	D.D. W/ 205 BRG ASSY-PLT FLNG	
9	107-111D	DD BRG FLANGE DUST COVER	
10	804-040C	WASHER MACH 1.19 X .63 X 18GA	
11	802-228C	HHCS 5/8-11X1 1/2 GR5 NYL	
12	805-335C	PIN ROLL 5/16 X 5/8 PLT	
12	805-280C	PIN ROLL 5/16 X 3/4 PLT	
13	198-491H	SCRAPER-SPREADER 10-20 SER	
13	812-309C	OB RPBX 198-491H	
13	812-297C	SCRAPER-SPREADER 10-20SER 1999	
14	800-213C	RIVET,BUTTON HEAD 1/4 X 9/16	
15	890-466C	RIBB BRG FLNG .266 MT HOLE PLT	
16	188-001V	BEARING AA205DD	
17	820-256C	FLAT DISK BLADE-4MM THICK	
17	820-155C	FLAT DISK STEEL	
18	198-202D	20 SER OPNR CAM PIN	
19	800-118C	SNAP RING EXT 5/8 .050 T	
20	805-062C	PIN ROLL 3/16 X 2 1/2 LG. PTL.	
21	198-497H	REP BY 812-302C	
22	803-307C	NUT HEX 7/16-20 GR8	
23	804-014C	WASHER LOCK 7/16 PLT	
24	198-201D	20 SER OPNR PW CAM	
25	817-083C	PRESS WHEEL ARM PIVOT BUSHING	
26	807-172C	SPRING COMP 5/8 OD X 1 3/4 LG	
27	804-012C	WASHER FLAT 3/8 SAE PLT	
28	805-067C	PIN COTTER 1/8 X 3/4	
29	198-248D	20 SERIES OPNR DEPTH WHEEL ARM	
30	822-095C	BEARING DBL LIP 203 X 5/8 BORE	
31	804-022C	WASHER LOCK SPRING 5/8 PLT	
32	802-366C	HHCS 5/8-11X2 1/2 GR5 NYL	
33	198-057S	2X13 DEPTH WHEEL ASSY	
34	802-352C	HFSS 5/16-18X1/2 GR5	
35	803-043C	NUT HEX WHIZ 5/16-18 PLT	
36	814-082C	2X13 D.W. OUTER RIM HALF	
37	814-083C	2X13 SIDE DEPTH TIRE	
38	198-183D	20 SER SIDE DEPTH WL STIFF PLT	
39	814-081C	2X13 D.W. INNER RIM HALF	
40	802-694C	HHCS 7/16-20X2 3/4 GR8	
41	817-396C	SEED DROP TUBE W/ SENSOR HOLE	
42	843-191C	DJ STYLE WIDE SEED SENSOR	

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20 Series Opener Body

Ref.	Part No.	Part Description	Comments
43	122-257H	SEP &FERT TUBE 10-20SER 1999	
44	198-956K	20 SER OPENER T-HANDLE SUBASSY	
45	800-001C	GREASE ZERK STRAIGHT 1/4-28	
46	198-999S	RPBY 198-998S	
46	198-998S	20P RH ELIMINATOR BUSHING ASSY	
47	298-324S	20P DPTH WHL ECCENTRIC ADJUSTR	
48	802-729C	HFS 5/8-11X2 1/2 GR8 PLT	
49	198-265D	20P SIDE DEPTH WHEEL ARM	
50	804-195C	WASHER FLAT 1.31ODX.65IDX.188T	
51	802-430C	HHCS 5/8-11X2 GR5 NYL	
52	802-092C	RHSNB 5/16-18X3/4 GR5	
53	198-267D	20P DEPTH WHL OUTER BUSHING	
54	812-302C	CASTING - STAINLESS T-HANDLE	
55	816-414C	O-RING SQUARE 1IDX1 1/4ODX1/8	
56	198-266D	20P DEPTH WHL ECCENTRIC BUSHNG	
57	198-305D	WHEEL REINFORCING PLATE	
58	800-244C	CABLE TIE .19X15 PANDU BT4S-CO	

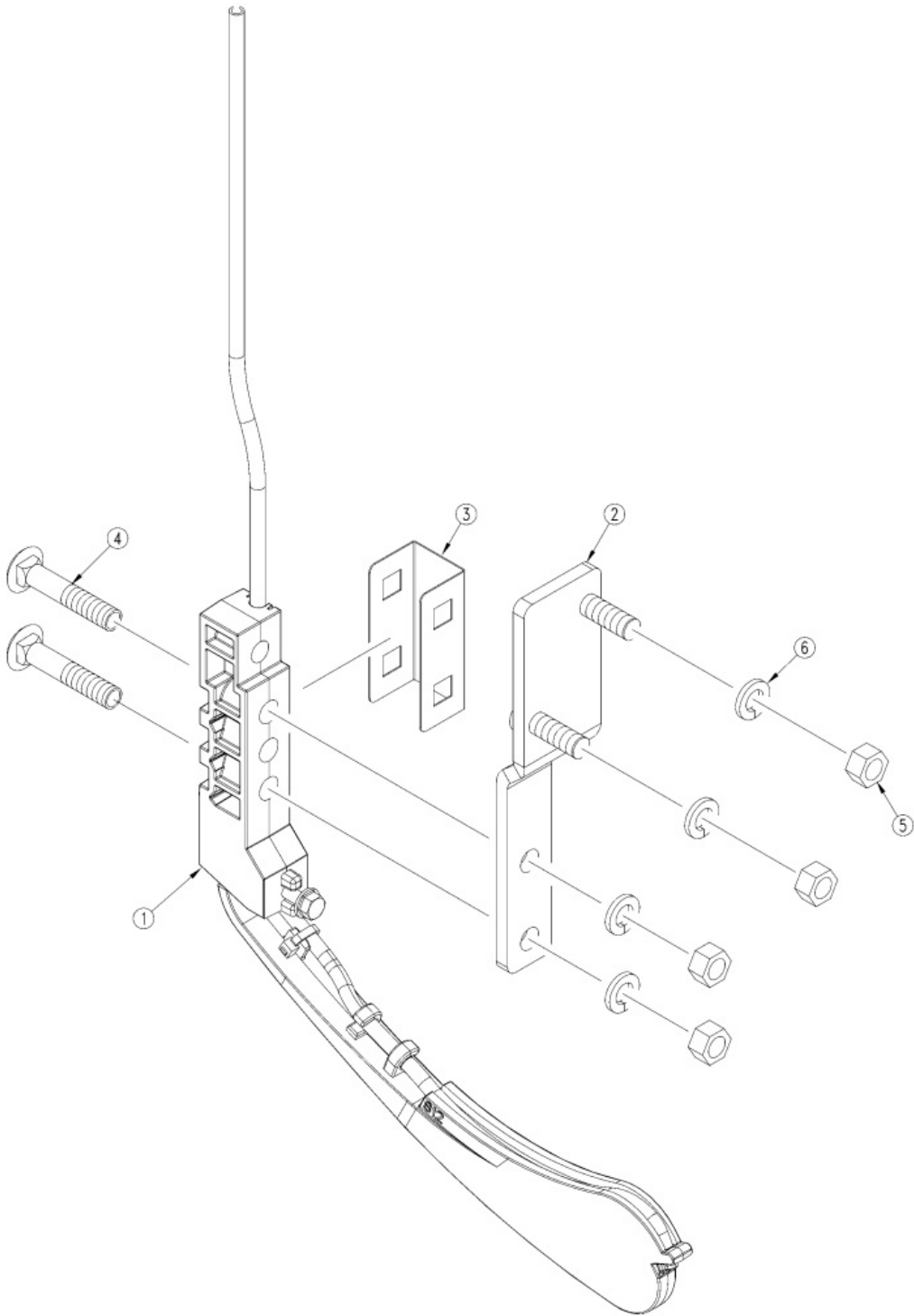
Applies to Models: 2410P, 2420P



Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG20434	Image No.	
1	122-168D	10P20P AD INSIDE SCRAPER MOUNT	
2	802-079C	HHCS 3/8-16X1 1/4 GR5	
3	804-013C	WASHER LOCK SPRING 3/8 PLT	
4	803-014C	NUT HEX 3/8-16 PLT	
5	890-357C	SCRAPER-SPRING LOAD-AIR DESIGN	

Applies to Models: 2410P, 2420P

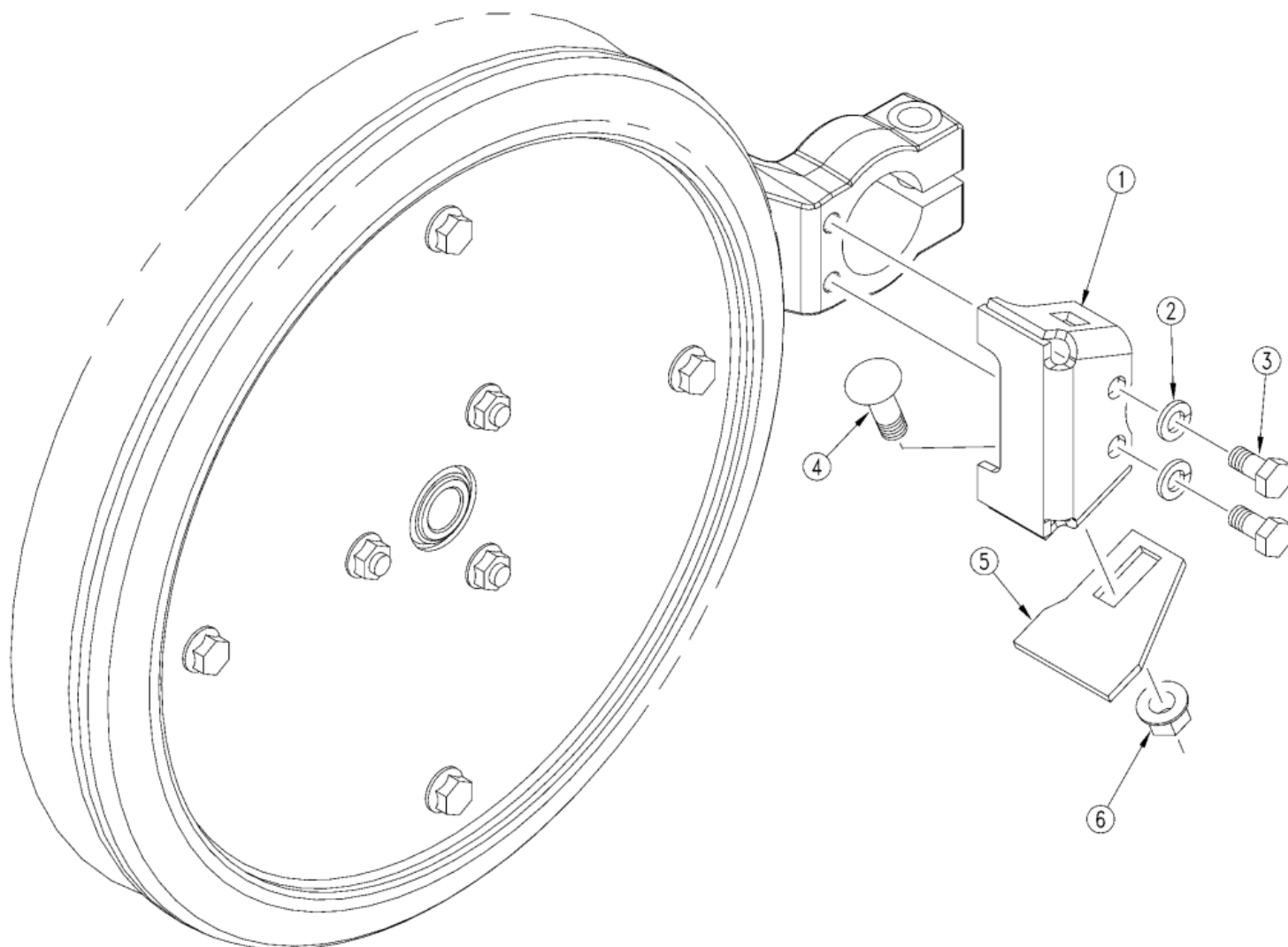


Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG20252	Image No.	
1	120825	KEETON NARROW TAIL	
2	129001	KEETON BRACKET 10/20 SERIES	
3	129BXT827	KEETON GUARD	
4	802-411C	RHSNB 3/8-16X2 GR5	
5	803-014C	NUT HEX 3/8-16 PLT	
6	804-013C	WASHER LOCK SPRING 3/8 PLT	

Side Wheel Scraper (Option)

Applies to Models: 2410P, 2420P

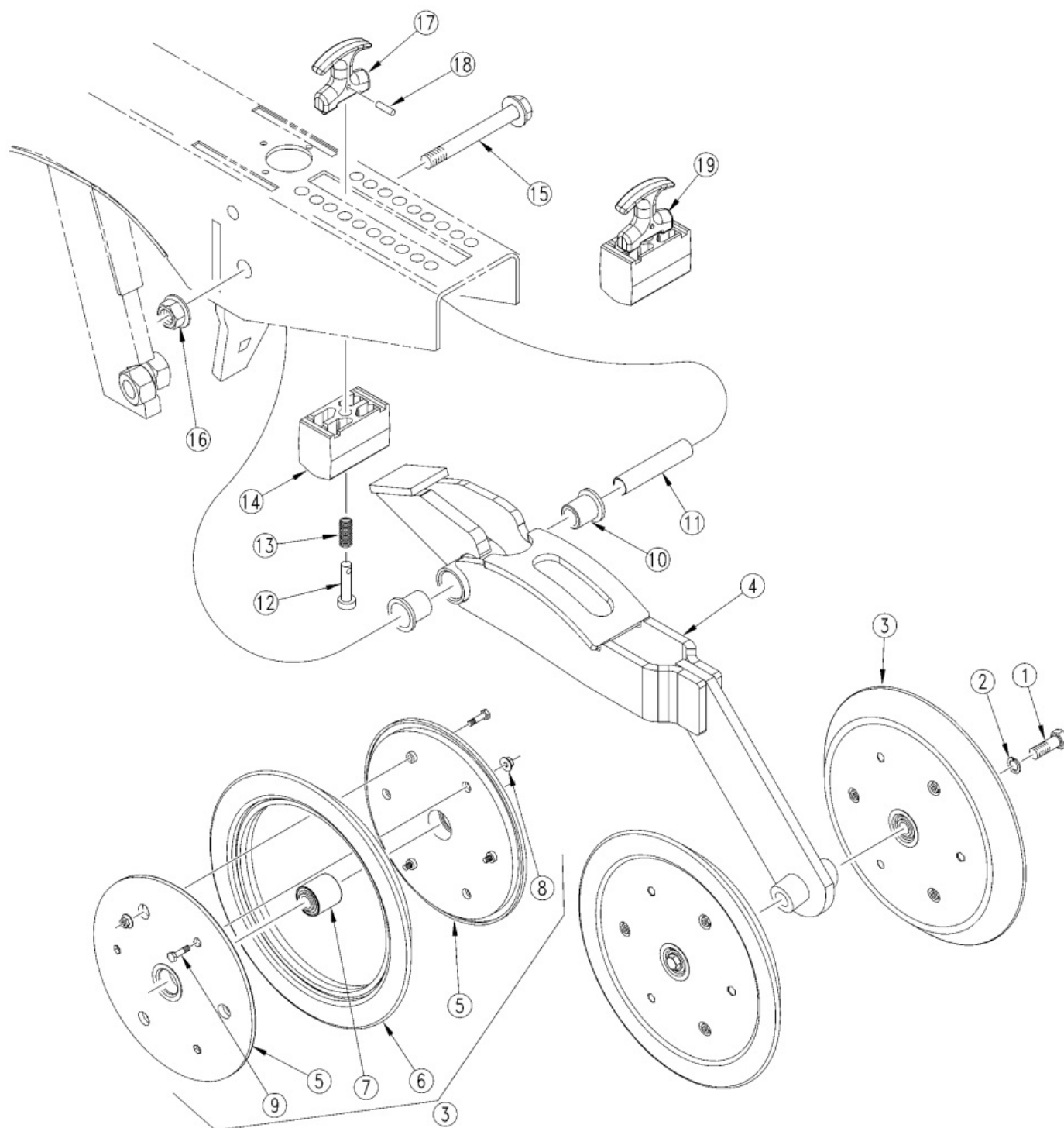


Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG20185	Image No.	
1	198-264D	20P SIDE WHEEL SCRAPER MOUNT	
2	804-009C	WASHER LOCK SPRING 5/16 PLT	
3	802-705C	HHCS 5/16-18X5/8	
4	802-149C	RHSNB 3/8-16X3/4 GR5	
5	198-263D	20P SIDE WHEEL SCRAPER	
6	803-209C	NUT FLANGE LOCK 3/8-16 PLT	

1 1/4" x 13 1/2" Double Press Wheel

Applies to Models: 2410P, 2420P



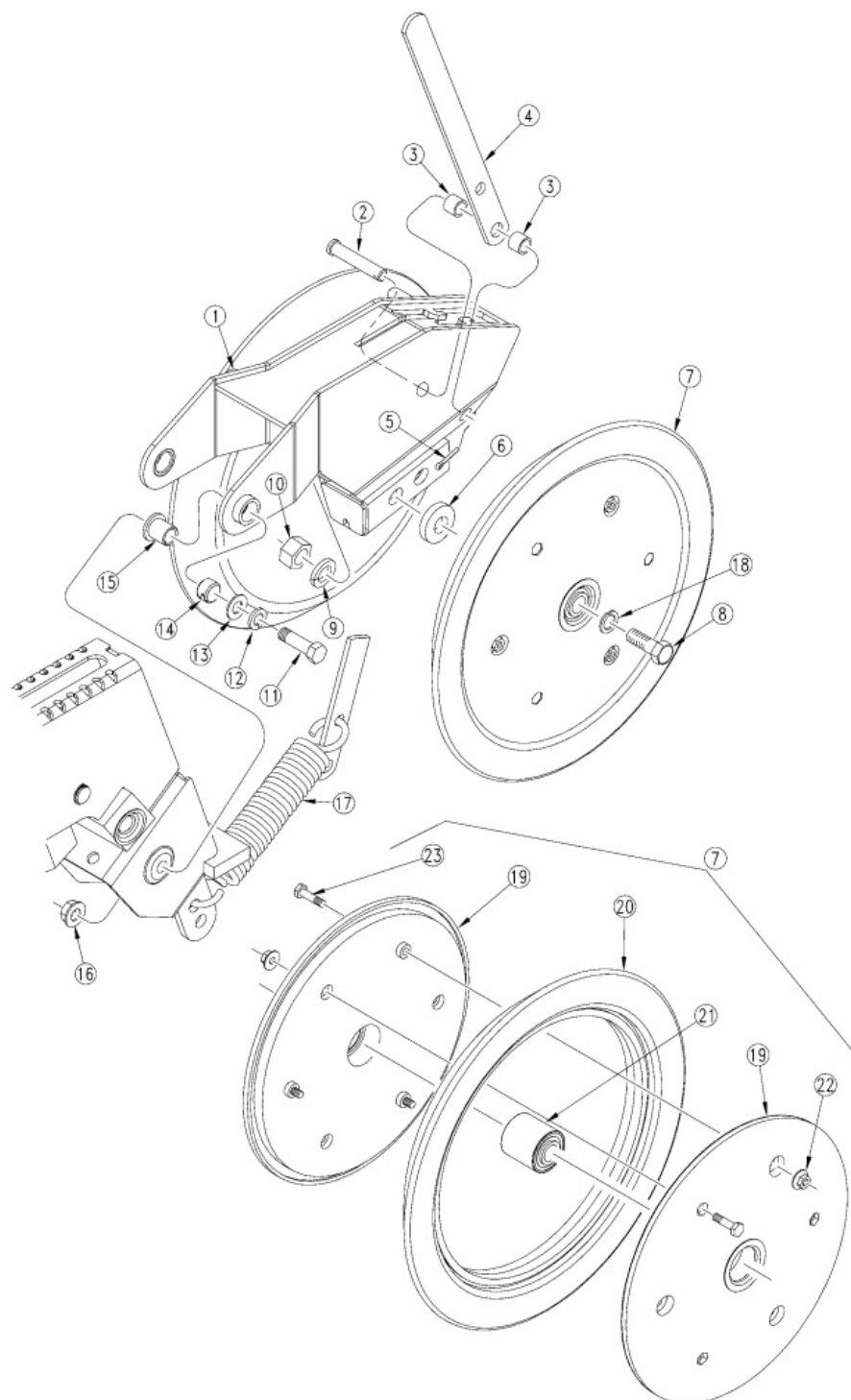
1 1/4" x 13 1/2" Double Press Wheel

Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG20260	Image No.	
1	802-058C	HHCS 5/8-11X2 1/2 GR5	
2	804-022C	WASHER LOCK SPRING 5/8 PLT	
3	814-238C	1.25 X 13.5 PRESS WHEEL ASSY	Includes items 5-9.
4	199-065H	DOUBLE PRESS WHEEL ARM WLD RH	(S/N FF1256+) For Front Opener 2nd rev.
4	199-066H	DOUBLE PRESS WHEEL ARM WLD LH	(S/N FF1256+) For Rear Opener 2nd rev.
4	199-038H	DOUBLE PRESS WHEEL ARM WLDMT	(S/N FF1255-) 1st rev.
5	817-330C	1 X 12 PRESS WHEEL RIM HALF	
6	814-244C	1.25X13.5 ANGLE PEAK TIRE	
7	822-170C	BRG .63ID PRESS WHL ASY	
8	803-088C	NUT HEX LOCK 1/4-20 FLG	
9	802-005C	HHCS 1/4-20X1 GR5	
10	817-084C	PARALLEL ARM PIVOT BUSHING	
11	198-137D	PRESS WHEEL PIVOT TUBE	
12	805-154C	PIN CLEVIS 3/8 X 2 1/8 USABLE	
13	807-106C	SPRING .540 O.D.X 1 1/4 X.054W	
14	817-347C	OPENER TRUNION	
15	802-421C	HFS 1/2-13X3 3/4 GR5 SPTH	
16	803-169C	NUT HEX FLG LOCK 1/2-13 PLT	
17	817-328C	T-HANDLE ASSEMBLY	
18	805-186C	PIN ROLL 5/32 X 5/8 PLT	
19	122-202S	PW ADJUSTMENT TRUNNION ASSY	Includes items 12-14, 17 & 18.

1 1/4" x 13" Double Press Wheel

Applies to Models: 2410P, 2420P



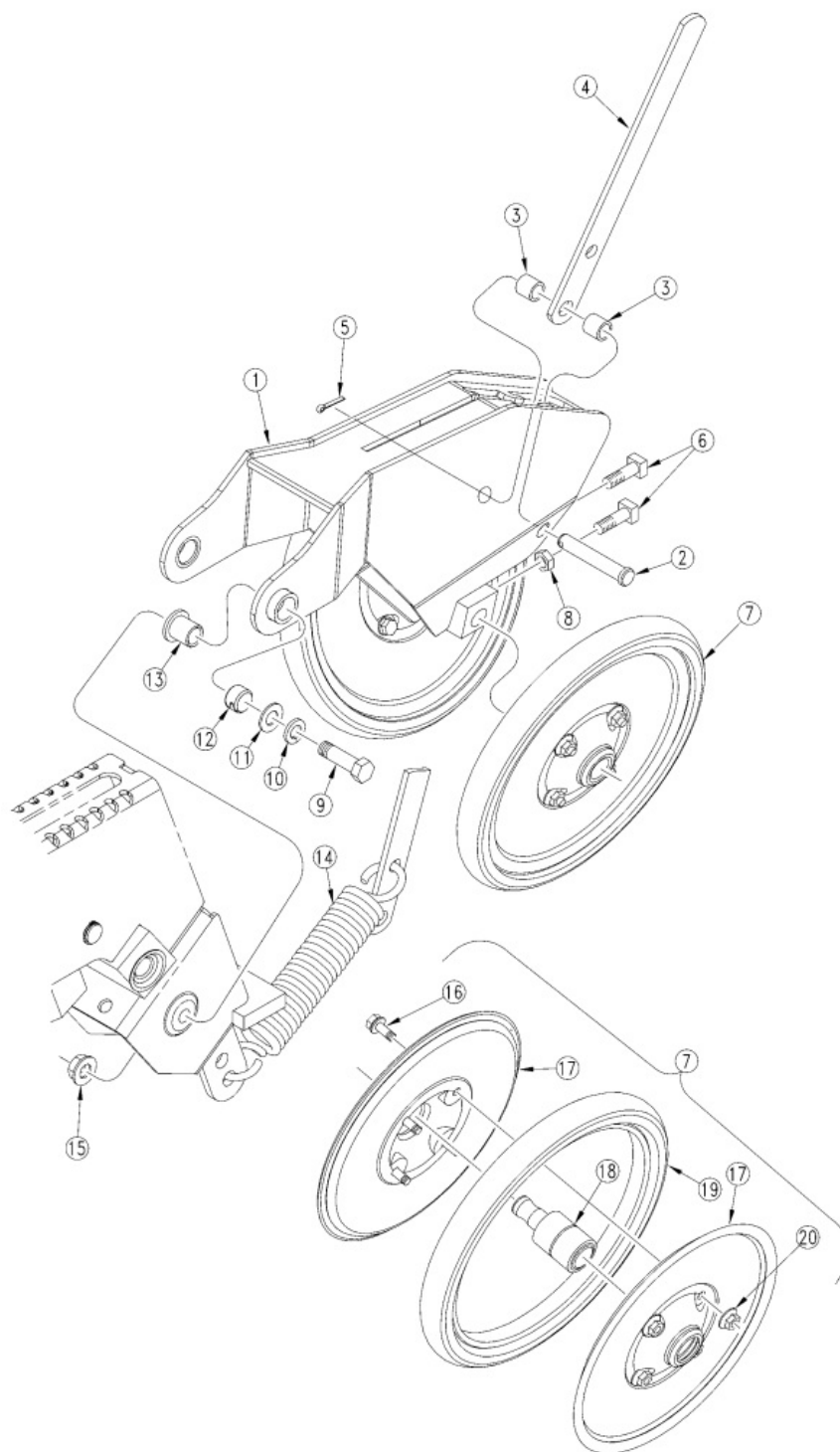
1 1/4" x 13" Double Press Wheel

Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG20261	Image No.	
1	199-025H	SHORT 1X12 SING OPNR PW MOUNT	
2	805-304C	PIN CLVS .44X2.52 USBL	
3	199-050D	LONG 1X12 PW HANDLE SPACER TB	
4	199-011D	118-433DG HANDLE	
5	805-067C	PIN COTTER 1/8 X 3/4	
6	405-031D	1/4 PW SPACER 5/8 DIA	
7	814-238C	1.25 X 13.5 PRESS WHEEL ASSY	Includes Items 19-23
8	802-059C	HHCS 5/8-11X3 GR5	
9	804-022C	WASHER LOCK SPRING 5/8 PLT	
10	803-021C	NUT HEX 5/8-11 PLT	
11	802-029C	HHCS 7/16-14X1 1/2 GR5	
12	804-014C	WASHER LOCK 7/16 PLT	
13	804-041C	WASHER FLAT 7/16 SAE PLT	
14	890-598C	BUSHING 3/4OD X 5/8ID X 1/2 LG	
15	890-524C	20 SER PW ARM PIVOT SPACER TB	
16	803-229C	NUT HEX FLANGE LOC 7/16-14 PLT	
17	807-088C	SPRING EXT 1 5/8 OD X 8.2	
18	804-022C	WASHER LOCK SPRING 5/8 PLT	
19	817-330C	1 X 12 PRESS WHEEL RIM HALF	
20	814-244C	1.25X13.5 ANGLE PEAK TIRE	
21	822-170C	BRG .63ID PRESS WHL ASY	
22	803-088C	NUT HEX LOCK 1/4-20 FLG	
23	802-005C	HHCS 1/4-20X1 GR5	

1" x 10" Double "V" Press Wheel (9/30/2000-)

Applies to Models: 2410P, 2420P



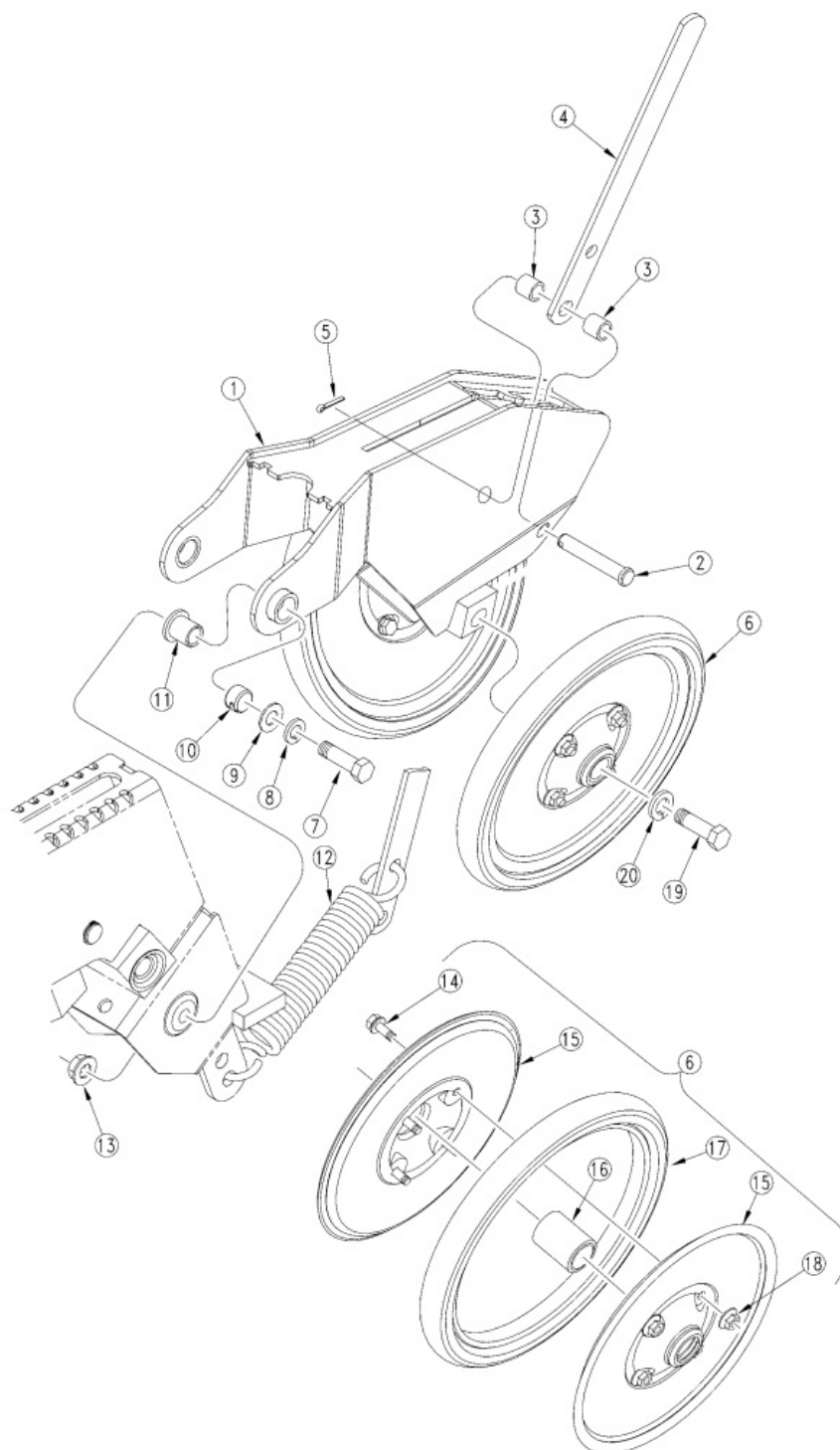
1" x 10" Double "V" Press Wheel (9/30/2000-)

Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG20045	Image No.	
1	199-026H	1 X 10 SING OPENER PW MOUNT	
2	805-304C	PIN CLVS .44X2.52 USBL	
3	199-050D	LONG 1X12 PW HANDLE SPACER TB	
4	199-011D	118-433DG HANDLE	
5	805-067C	PIN COTTER 1/8 X 3/4	
6	802-605C	HHCS 3/8-24X2 1/4 GR8 BLK	
7	199-009S	1X10 ASSEMBLY	
8	803-012C	NUT HEX JAM 3/8-16 PLT	
9	802-029C	HHCS 7/16-14X1 1/2 GR5	
10	804-014C	WASHER LOCK 7/16 PLT	
11	804-041C	WASHER FLAT 7/16 SAE PLT	
12	890-598C	BUSHING 3/4OD X 5/8ID X 1/2 LG	
13	890-524C	20 SER PW ARM PIVOT SPACER TB	
14	807-088C	SPRING EXT 1 5/8 OD X 8.2	
15	803-229C	NUT HEX FLANGE LOC 7/16-14 PLT	
16	802-196C	HFSS 1/4-20X5/8 GR5	
17	814-084C	1X10 P.W. RIM HALF	
18	822-023C	INSERT SINGLE ENDED SFT	
19	814-085C	1X10 PRESS WHEEL TIRE	
20	803-088C	NUT HEX LOCK 1/4-20 FLG	

1" x 10" Double "V" Press Wheel (10/1/2000+)

Applies to Models: 2410P, 2420P



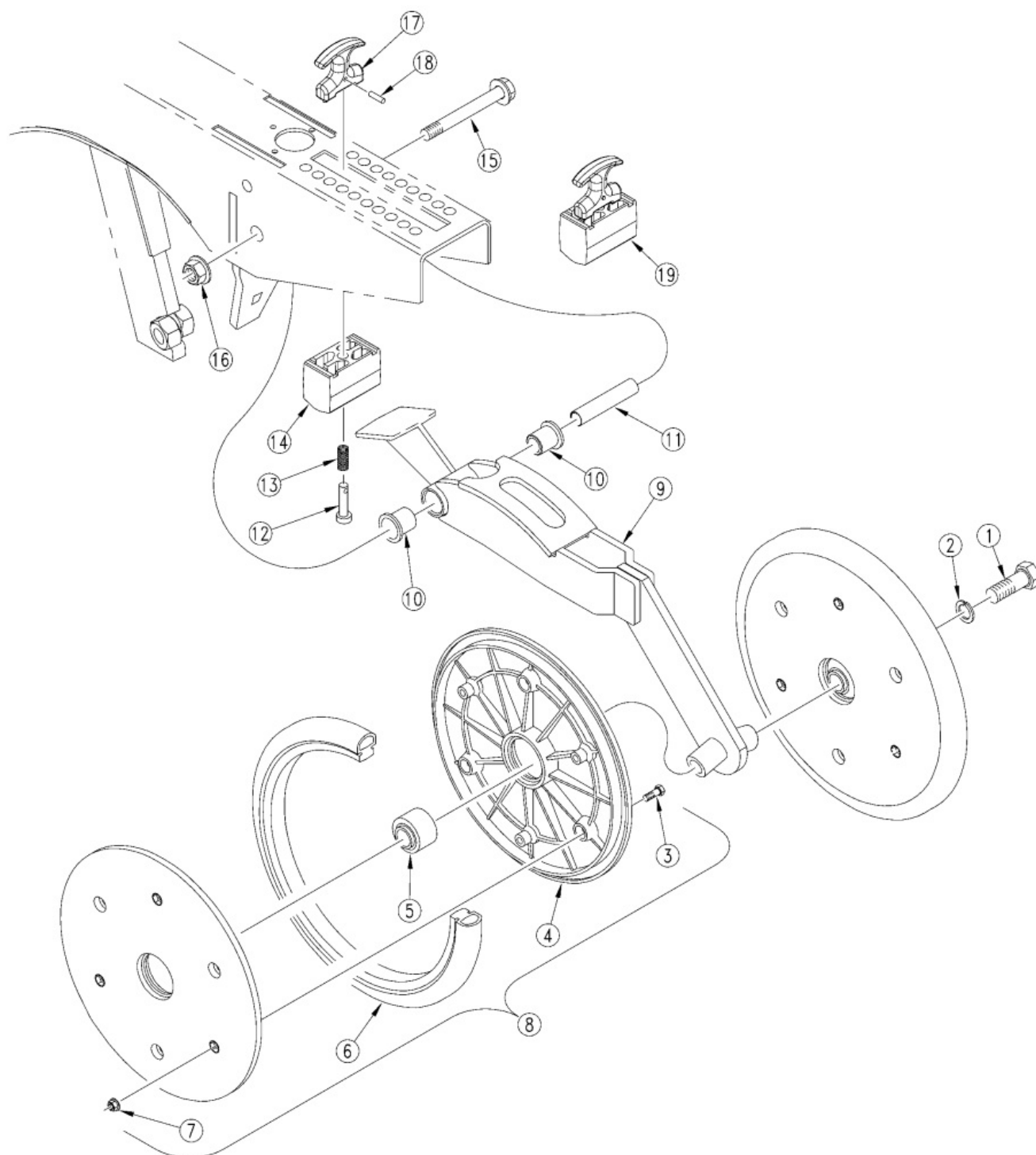
1" x 10" Double "V" Press Wheel (10/1/2000+)

Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG19901	Image No.	
1	199-027H	1X10 SING PRESS WHEEL MOUNT	
2	805-166C	PIN CLVS .44X2.77 USBL	
3	199-015D	PW HANDLE SPACER TUBE	
4	199-011D	118-433DG HANDLE	
5	805-067C	PIN COTTER 1/8 X 3/4	
6	814-194C	1X10 PRESS WHEEL ASSEMBLY	
7	802-029C	HHCS 7/16-14X1 1/2 GR5	
8	804-014C	WASHER LOCK 7/16 PLT	
9	804-041C	WASHER FLAT 7/16 SAE PLT	
10	890-598C	BUSHING 3/4OD X 5/8ID X 1/2 LG	
11	890-524C	20 SER PW ARM PIVOT SPACER TB	
12	807-088C	SPRING EXT 1 5/8 OD X 8.2	
13	803-229C	NUT HEX FLANGE LOC 7/16-14 PLT	
14	802-196C	HFSS 1/4-20X5/8 GR5	
15	814-192C	1X10 PRESS WHEEL RIM HALF	
16	822-170C	BRG .63ID PRESS WHL ASY	
17	814-085C	1X10 PRESS WHEEL TIRE	
18	803-088C	NUT HEX LOCK 1/4-20 FLG	
19	802-058C	HHCS 5/8-11X2 1/2 GR5	
20	804-022C	WASHER LOCK SPRING 5/8 PLT	

1" x 12" Double "V" Press Wheel

Applies to Models: 2410P, 2420P



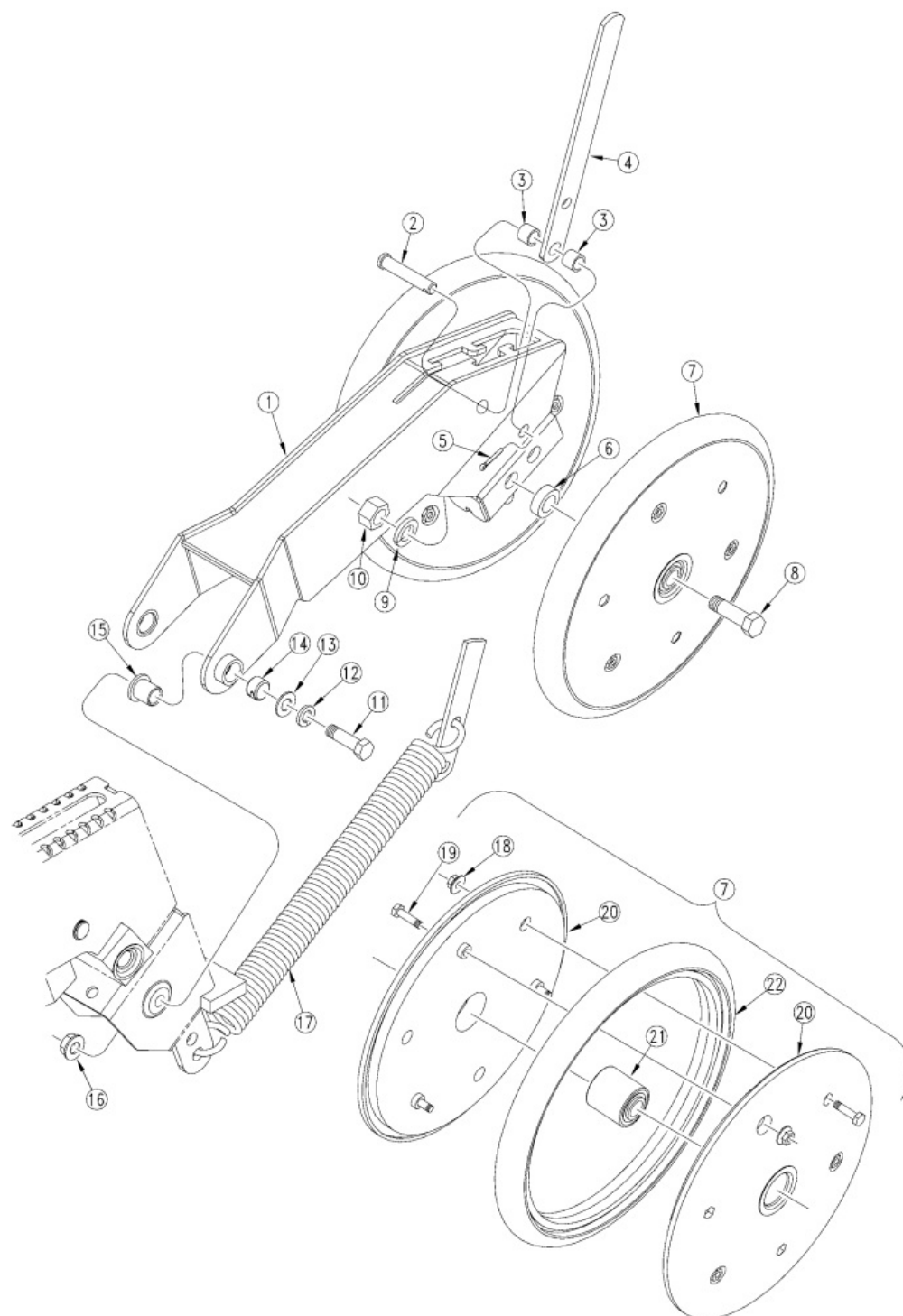
1" x 12" Double "V" Press Wheel

Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG17437	Image No.	
1	802-058C	HHCS 5/8-11X2 1/2 GR5	
2	804-022C	WASHER LOCK SPRING 5/8 PLT	
3	802-005C	HHCS 1/4-20X1 GR5	
4	817-330C	1 X 12 PRESS WHEEL RIM HALF	
5	822-170C	BRG .63ID PRESS WHL ASY	
6	814-034C	TIRE RUBBER 1 X 12	
7	803-088C	NUT HEX LOCK 1/4-20 FLG	
8	814-174C	1 X 12 PRESS WHL ASSY-5203BRG	
9	199-022H	98 1X12 PRESS WHEEL WELDMENT	
10	817-084C	PARALLEL ARM PIVOT BUSHING	
11	198-137D	PRESS WHEEL PIVOT TUBE	
12	805-154C	PIN CLEVIS 3/8 X 2 1/8 USABLE	
13	807-106C	SPRING .540 O.D.X 1 1/4 X.054W	
14	817-347C	OPENER TRUNION	
15	802-421C	HFS 1/2-13X3 3/4 GR5 SPTHD	
16	803-169C	NUT HEX FLG LOCK 1/2-13 PLT	
17	817-328C	T-HANDLE ASSEMBLY	
18	805-186C	PIN ROLL 5/32 X 5/8 PLT	
19	122-202S	PW ADJUSTMENT TRUNNION ASSY	Includes 12,13,14,17 &18.

1" x 12" Double "V" Press Wheel Long

Applies to Models: 2410P, 2420P



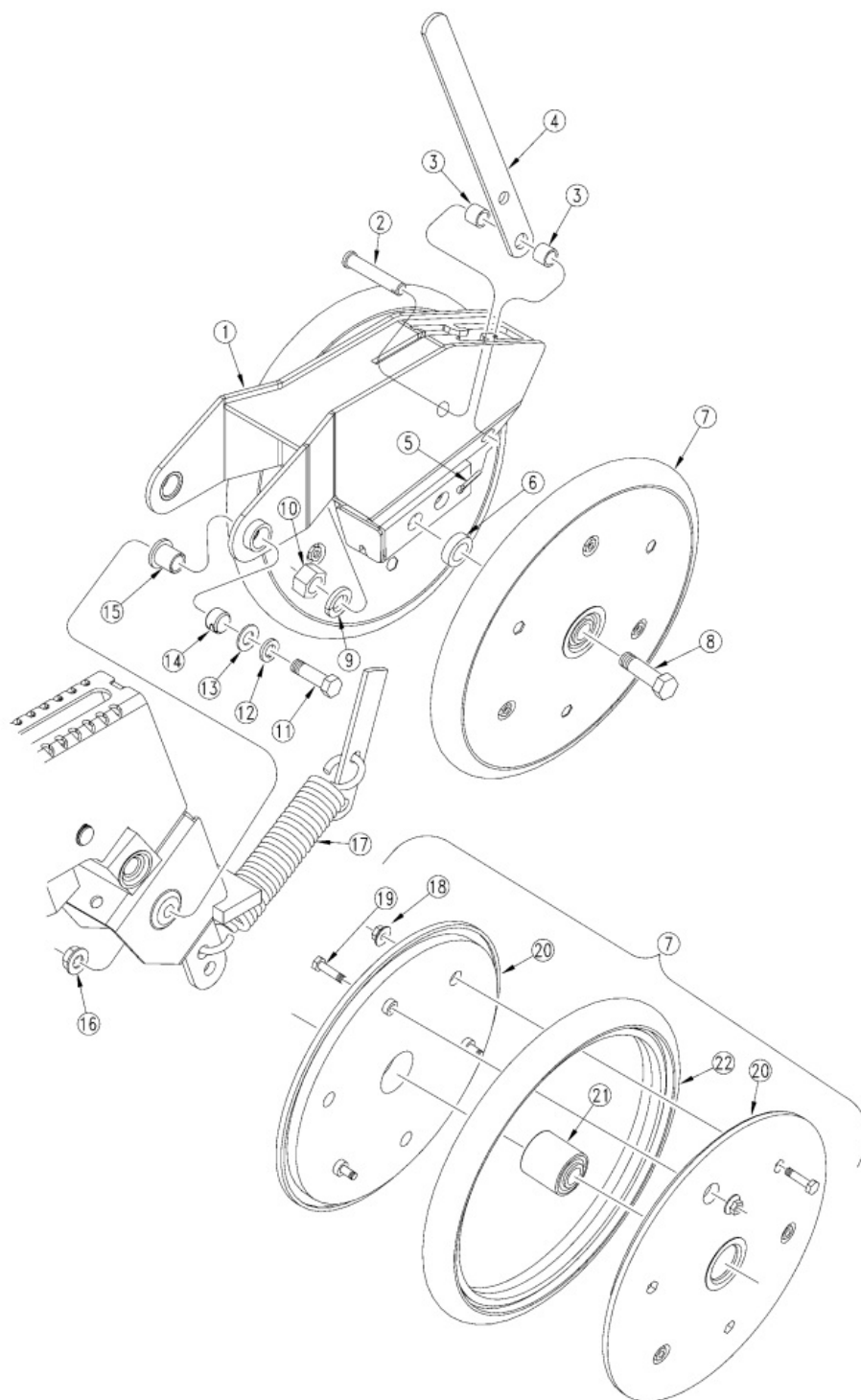
1" x 12" Double "V" Press Wheel Long

Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG18193	Image No.	
1	199-024H	LONG 1X12 SING OPENER PW MOUNT	
2	805-295C	PIN CLVS .44X2.14 USBL	
3	199-050D	LONG 1X12 PW HANDLE SPACER TB	
4	199-011D	118-433DG HANDLE	
5	805-067C	PIN COTTER 1/8 X 3/4	
6	405-031D	1/4 PW SPACER 5/8 DIA	
7	814-174C	1 X 12 PRESS WHL ASSY-5203BRG	
8	802-160C	HHCS 5/8-11X3 1/4 GR5	
9	804-022C	WASHER LOCK SPRING 5/8 PLT	
10	803-021C	NUT HEX 5/8-11 PLT	
11	802-029C	HHCS 7/16-14X1 1/2 GR5	
12	804-014C	WASHER LOCK 7/16 PLT	
13	804-041C	WASHER FLAT 7/16 SAE PLT	
14	890-598C	BUSHING 3/4OD X 5/8ID X 1/2 LG	
15	890-524C	20 SER PW ARM PIVOT SPACER TB	
16	803-229C	NUT HEX FLANGE LOC 7/16-14 PLT	
17	807-184C	SPRING EXT 1.5OD X .25 X 11.25	
18	803-088C	NUT HEX LOCK 1/4-20 FLG	
19	802-005C	HHCS 1/4-20X1 GR5	
20	817-330C	1 X 12 PRESS WHEEL RIM HALF	
21	822-170C	BRG .63ID PRESS WHL ASY	
22	814-034C	TIRE RUBBER 1 X 12	

1" x 12" Double "V" Press Wheel Short

Applies to Models: 2410P, 2420P



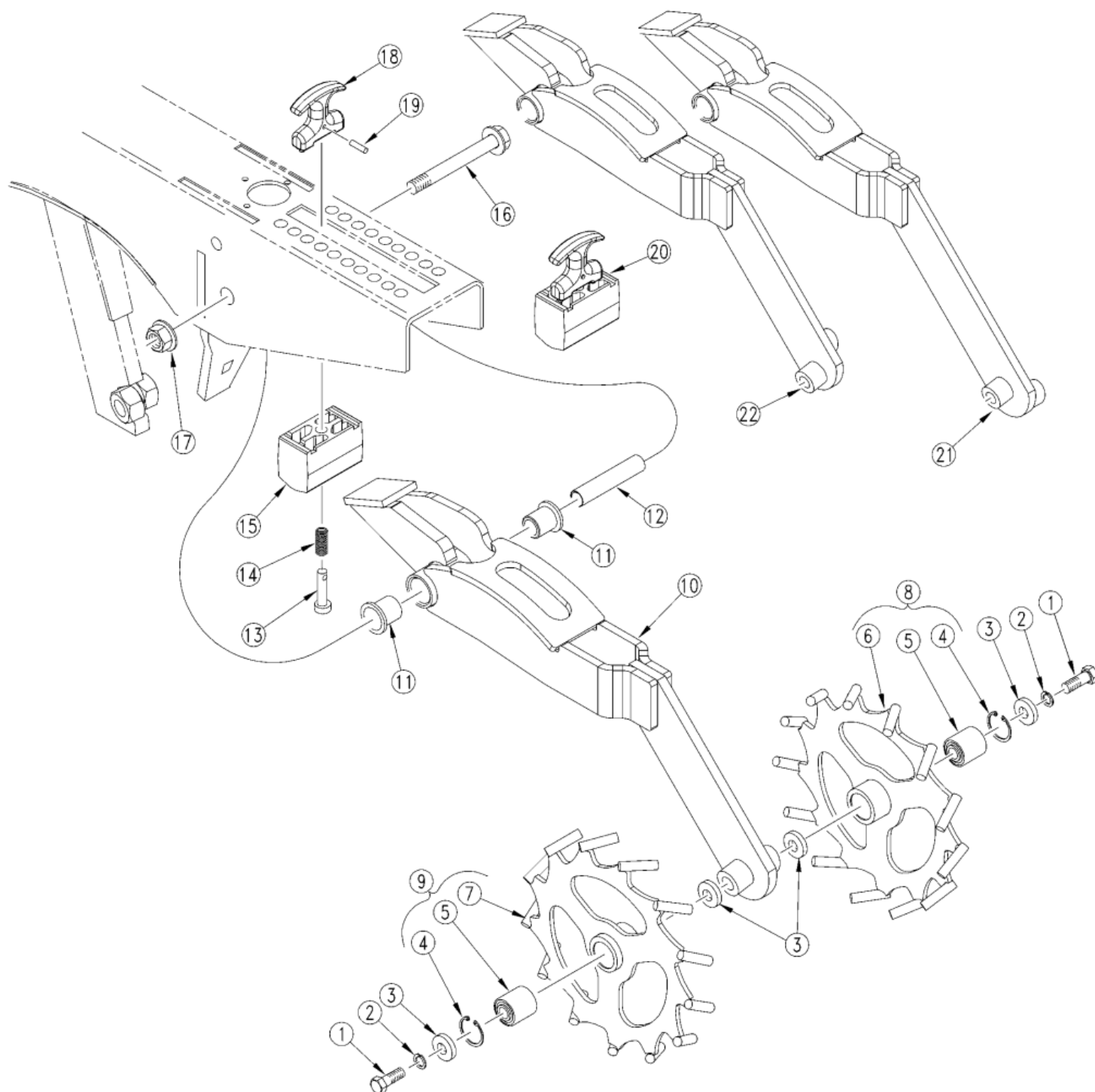
1" x 12" Double "V" Press Wheel Short

Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG18194	Image No.	
1	199-025H	SHORT 1X12 SING OPNR PW MOUNT	
2	805-304C	PIN CLVS .44X2.52 USBL	
3	199-050D	LONG 1X12 PW HANDLE SPACER TB	
4	199-011D	118-433DG HANDLE	
5	805-063C	PIN COTTER 3/32 X 1 LONG	
6	405-031D	1/4 PW SPACER 5/8 DIA	
7	814-174C	1 X 12 PRESS WHL ASSY-5203BRG	
8	802-160C	HHCS 5/8-11X3 1/4 GR5	
9	804-022C	WASHER LOCK SPRING 5/8 PLT	
10	803-021C	NUT HEX 5/8-11 PLT	
11	802-029C	HHCS 7/16-14X1 1/2 GR5	
12	804-014C	WASHER LOCK 7/16 PLT	
13	804-041C	WASHER FLAT 7/16 SAE PLT	
14	890-598C	BUSHING 3/4OD X 5/8ID X 1/2 LG	
15	890-524C	20 SER PW ARM PIVOT SPACER TB	
16	803-229C	NUT HEX FLANGE LOC 7/16-14 PLT	
17	807-088C	SPRING EXT 1 5/8 OD X 8.2	
18	803-088C	NUT HEX LOCK 1/4-20 FLG	
19	802-005C	HHCS 1/4-20X1 GR5	
20	817-330C	1 X 12 PRESS WHEEL RIM HALF	
21	822-170C	BRG .63ID PRESS WHL ASY	
22	814-034C	TIRE RUBBER 1 X 12	

2" x 12 1/2" Double Press Wheel (10 Series)

Applies to Models: 2410P

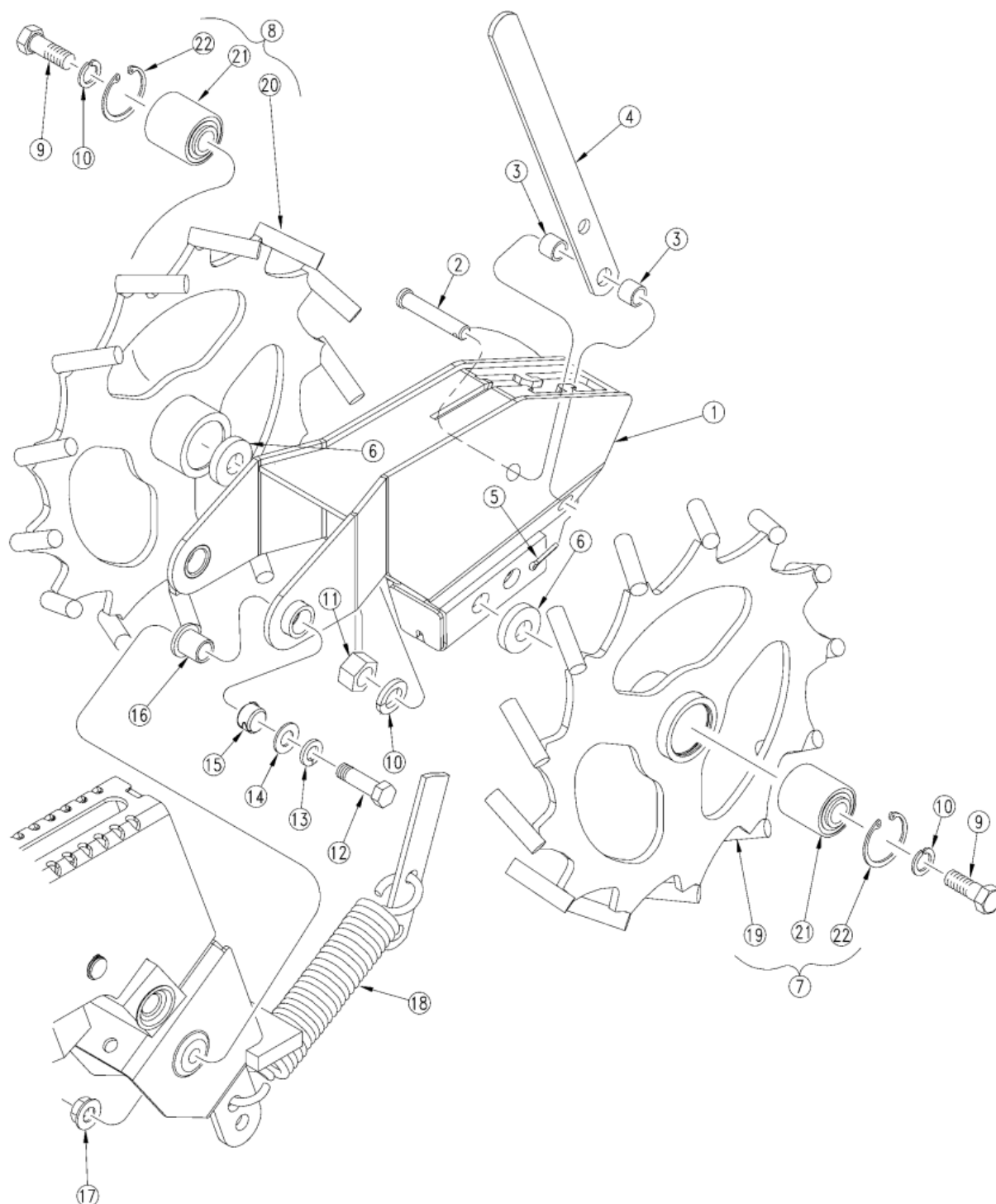


2" x 12 1/2" Double Press Wheel (10 Series)

Applies to Models: 2410P

Ref.	Part No.	Part Description	Comments
	DWG20258	Image No.	
1	802-059C	HHCS 5/8-11X3 GR5	
2	804-022C	WASHER LOCK SPRING 5/8 PLT	
3	405-031D	1/4 PW SPACER 5/8 DIA	
4	800-054C	SNAP RING INT 40 MM	
5	822-170C	BRG .63ID PRESS WHL ASY	
6	199-040H	2X12.5 CLOSING WHEEL WLDMT RH	
7	199-039H	2X12.5 CLOSING WHEEL WLDMT LH	
8	199-042S	2X12.5 CLOSING WHEEL ASSY RH	Must use with item # 10
9	199-041S	2X12.5 CLOSING WHEEL ASSY LH	Must use with item # 10
10	199-065H	DOUBLE PRESS WHEEL ARM WLD RH	(S/N FF1256+) For Front Opener 2nd rev.
10	199-066H	DOUBLE PRESS WHEEL ARM WLD LH	(S/N FF1256+) For Rear Opener 2nd rev.
10	199-038H	DOUBLE PRESS WHEEL ARM WLDMT	1st rev.
11	817-084C	PARALLEL ARM PIVOT BUSHING	
12	198-137D	PRESS WHEEL PIVOT TUBE	
13	805-154C	PIN CLEVIS 3/8 X 2 1/8 USABLE	
14	807-106C	SPRING .540 O.D.X 1 1/4 X.054W	
15	817-347C	OPENER TRUNION	
16	802-421C	HFS 1/2-13X3 3/4 GR5 SPTH	
17	803-169C	NUT HEX FLG LOCK 1/2-13 PLT	
18	817-328C	T-HANDLE ASSEMBLY	
19	805-186C	PIN ROLL 5/32 X 5/8 PLT	
20	122-202S	PW ADJUSTMENT TRUNNION ASSY	Includes items 13-15, 18 & 19

Applies to Models: 2420P



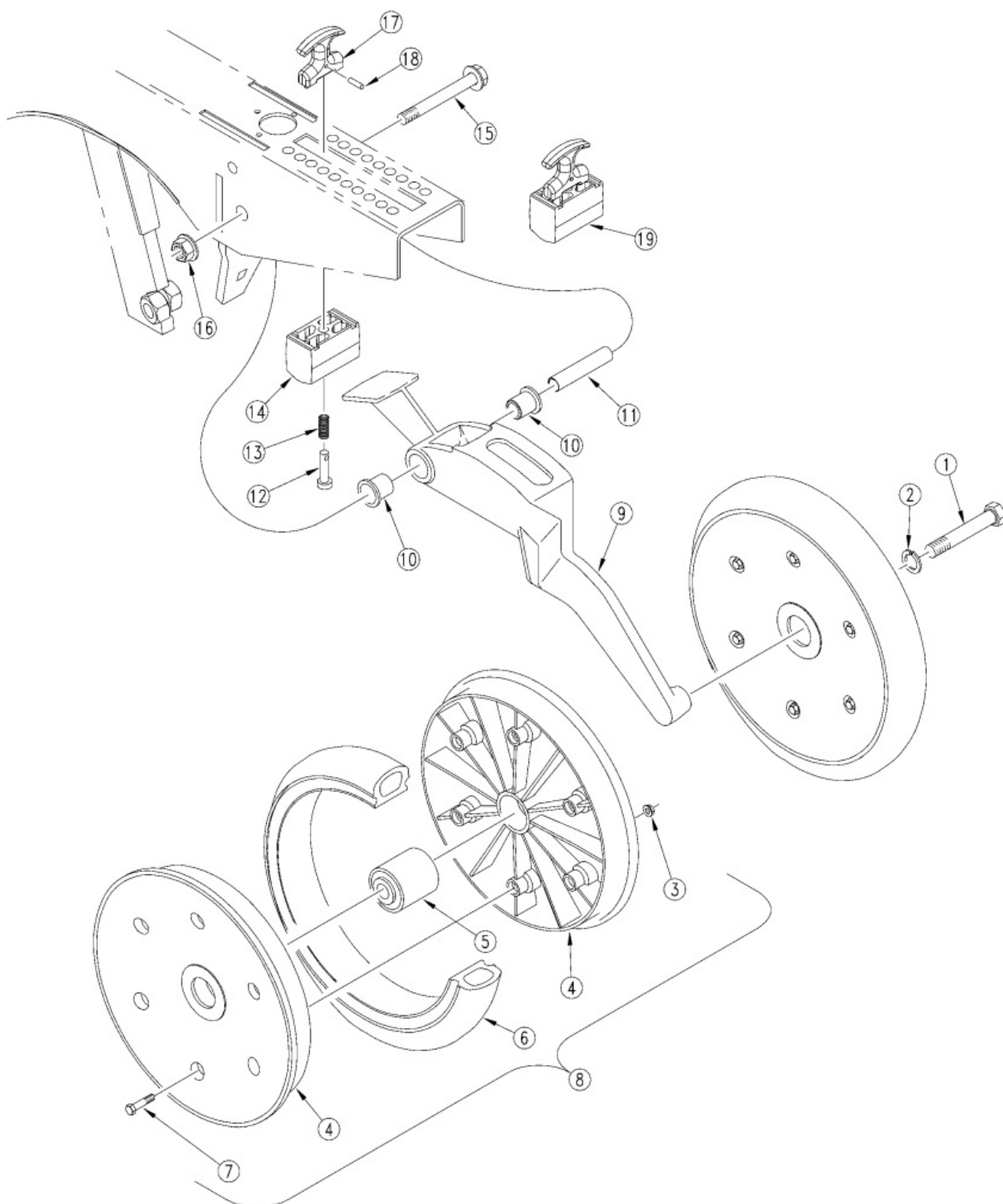
2" x 12 1/2" Double Press Wheel (20 Series)

Applies to Models: 2420P

Ref.	Part No.	Part Description	Comments
	DWG20259	Image No.	
1	199-025H	SHORT 1X12 SING OPNR PW MOUNT	
2	805-304C	PIN CLVS .44X2.52 USBL	
3	199-050D	LONG 1X12 PW HANDLE SPACER TB	
4	199-011D	118-433DG HANDLE	
5	805-063C	PIN COTTER 3/32 X 1 LONG	
6	405-031D	1/4 PW SPACER 5/8 DIA	
7	199-042S	2X12.5 CLOSING WHEEL ASSY RH	Includes Items 19, 21, 22
8	199-041S	2X12.5 CLOSING WHEEL ASSY LH	Includes Items 20, 21, 22
9	802-059C	HHCS 5/8-11X3 GR5	
10	804-022C	WASHER LOCK SPRING 5/8 PLT	
11	803-021C	NUT HEX 5/8-11 PLT	
12	802-029C	HHCS 7/16-14X1 1/2 GR5	
13	804-014C	WASHER LOCK 7/16 PLT	
14	804-041C	WASHER FLAT 7/16 SAE PLT	
15	890-598C	BUSHING 3/4OD X 5/8ID X 1/2 LG	
16	890-524C	20 SER PW ARM PIVOT SPACER TB	
17	803-229C	NUT HEX FLANGE LOC 7/16-14 PLT	
18	807-088C	SPRING EXT 1 5/8 OD X 8.2	
19	199-040H	2X12.5 CLOSING WHEEL WLDMT RH	
20	199-039H	2X12.5 CLOSING WHEEL WLDMT LH	
21	822-170C	BRG .63ID PRESS WHL ASY	
22	800-054C	SNAP RING INT 40 MM	

2" x 13" Single Press Wheel

Applies to Models: 2410P, 2420P



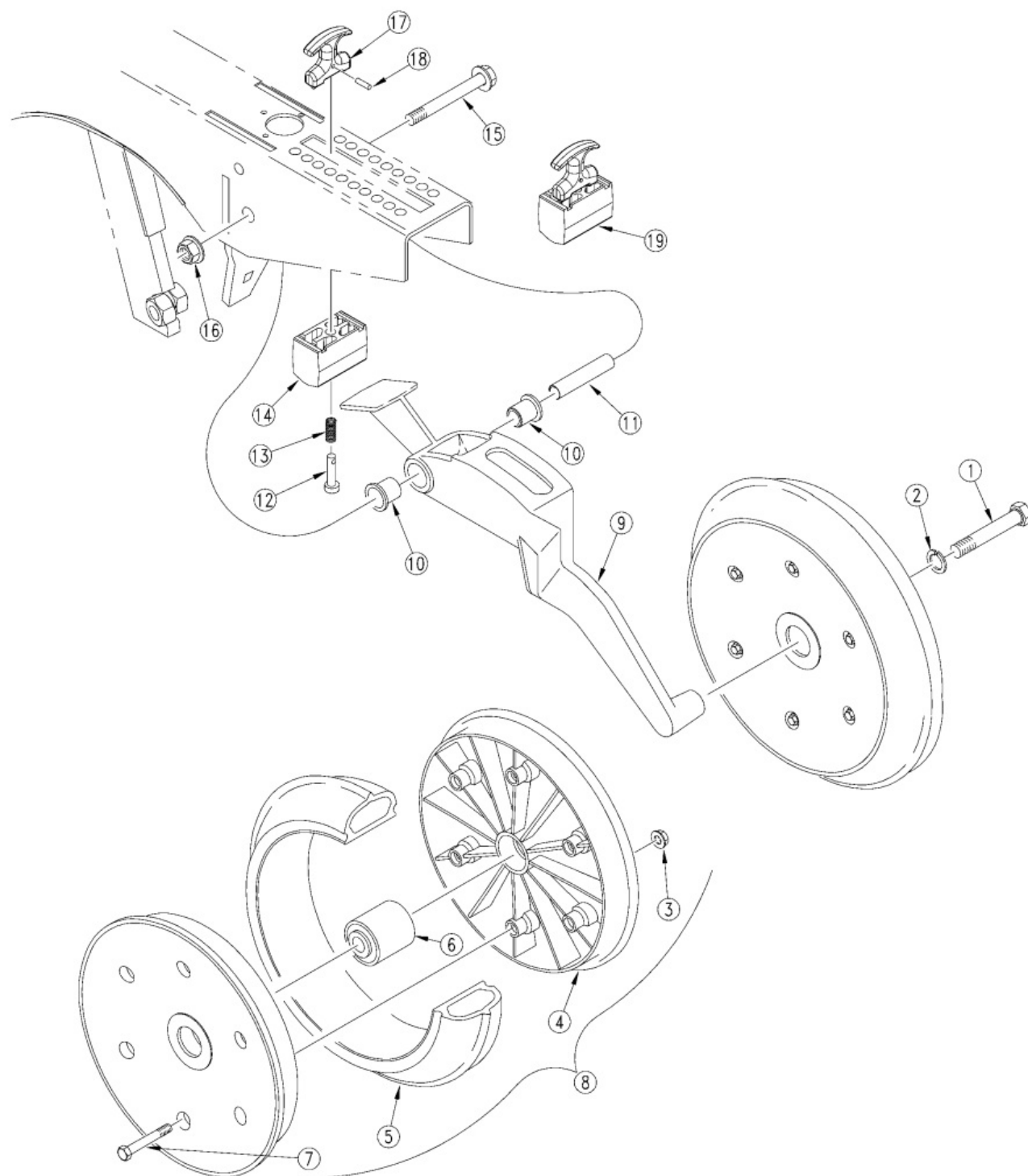
2" x 13" Single Press Wheel

Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG17439	Image No.	
1	802-058C	HHCS 5/8-11X2 1/2 GR5	
2	804-022C	WASHER LOCK SPRING 5/8 PLT	
3	803-088C	NUT HEX LOCK 1/4-20 FLG	
4	817-296C	2 X 13 PRESS WHEEL RIM HALF	
5	822-170C	BRG .63ID PRESS WHL ASY	
6	814-159C	2 X 13 PRESS WHEEL TIRE	
7	802-617C	HHFS 1/4-20 X 1 1/2 GR 5	
8	814-157C	2 X 13 PRESS WHEEL ASSEMBLY	
9	199-042D	UNIVERSAL PW ARM MACH 2&3X13	
10	817-084C	PARALLEL ARM PIVOT BUSHING	
11	198-137D	PRESS WHEEL PIVOT TUBE	
12	805-154C	PIN CLEVIS 3/8 X 2 1/8 USABLE	
13	807-106C	SPRING .540 O.D.X 1 1/4 X.054W	
14	817-347C	OPENER TRUNION	
15	802-421C	HFS 1/2-13X3 3/4 GR5 SPTHD	
16	803-169C	NUT HEX FLG LOCK 1/2-13 PLT	
17	817-328C	T-HANDLE ASSEMBLY	
18	805-186C	PIN ROLL 5/32 X 5/8 PLT	
19	122-202S	PW ADJUSTMENT TRUNNION ASSY	Includes 12,13,14,17 &18.

3" x 13" Single Press Wheel

Applies to Models: 2410P, 2420P



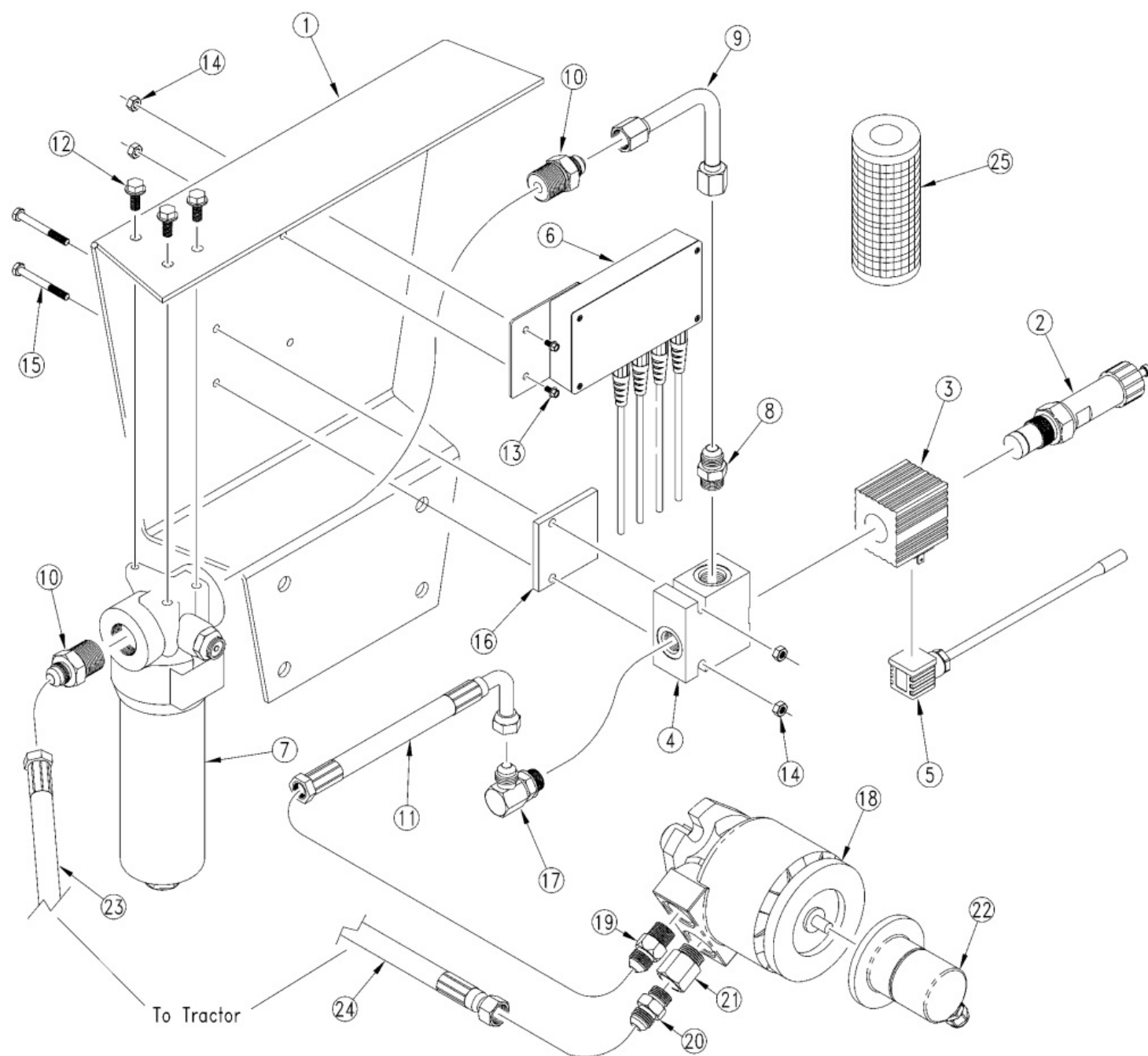
3" x 13" Single Press Wheel

Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG17438	Image No.	
1	802-058C	HHCS 5/8-11X2 1/2 GR5	
2	804-022C	WASHER LOCK SPRING 5/8 PLT	
3	803-088C	NUT HEX LOCK 1/4-20 FLG	
4	817-297C	3 X 13 PRESS WHEEL RIM HALF	
5	814-160C	3 X 13 PRESS WHEEL TIRE	
6	822-170C	BRG .63ID PRESS WHL ASY	
7	802-618C	HHFS 1/4-20 X 2 GR 5	
8	814-158C	3 X 13 PRESS WHEEL ASSEMBLY	
9	199-042D	UNIVERSAL PW ARM MACH 2&3X13	
10	817-084C	PARALLEL ARM PIVOT BUSHING	
11	198-137D	PRESS WHEEL PIVOT TUBE	
12	805-154C	PIN CLEVIS 3/8 X 2 1/8 USABLE	
13	807-106C	SPRING .540 O.D.X 1 1/4 X.054W	
14	817-347C	OPENER TRUNION	
15	802-421C	HFS 1/2-13X3 3/4 GR5 SPTH	
16	803-169C	NUT HEX FLG LOCK 1/2-13 PLT	
17	817-328C	T-HANDLE ASSEMBLY	
18	805-186C	PIN ROLL 5/32 X 5/8 PLT	
19	122-202S	PW ADJUSTMENT TRUNNION ASSY	Includes 12,13,14,17 &18.

Veris Drive Components

Applies to Models: 2410P, 2420P



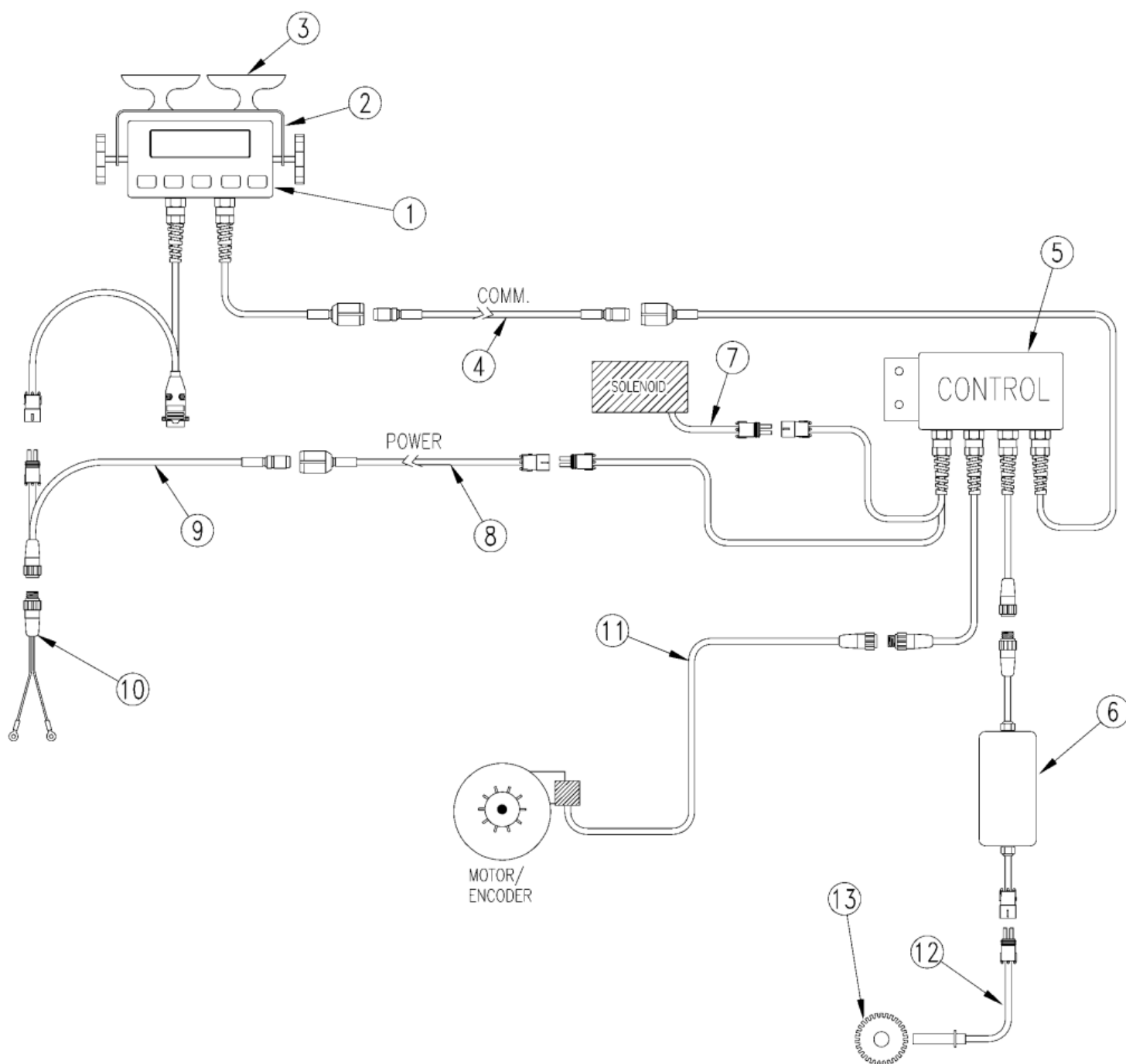
Veris Drive Components

Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG19995	Image No.	
1	VER-19517	VERIS CONTROL MODULE MT 15/24	
2	VER-19798	VERIS PROPORTIONAL CARTR 14GPM	
3	VER-19799	VERIS COIL 12V WATERMAN CARTR	
4	VER-19800	VERIS VLV BODY SAE-12-2X SAE-8	
5	VER-18375	VERIS SOLENOID CABLE	
6	VER-21568	VERIS EXT. CONTROL	10/1/2002+
6	VER-18360	VERIS CONTROLLER ASM	9/30/2002-
7	VER-18574	RPBY 810-657C	
8	811-088C	AD 3/4MORB 3/4MJIC	
9	VER-5211	OB RPBY 861-277C	
10	811-205C	AD 3/4MJIC 1 1/16MORB	
11	VER-19620	VERIS HOSE8M3K-8FJX90S-8FJX 28	
12	VER-18548	VERIS BLT FLG SER8.8M8-1.25X16	
13	802-004C	HHCS 1/4-20X3/4 GR5	
14	803-088C	NUT HEX LOCK 1/4-20 FLG	
15	802-551C	HHCS 1/4-20X2 1/4 GR5	
16	VER-20129	VERIS CONTRLLER VLV BODY SPACR	
17	811-063C	EL 3/4MJIC 3/4MORB	
18	VER-18468	VERIS MOTOR HYD 5.4 CIR W/ENC	
19	811-192C	AD 3/4MJIC 7/8MORB	
20	VER-19554	RPBY 810-696C	
21	811-564C	AD 3/4FORB 7/8MORB	
22	VER-18382	VERIS ENCODER W/ CABLE	
23	VER-18577	VERIS HOSE8M3K-8KJX90S-8MB 312	Used with no-till drills
23	VER-19625	VERIS HOSE8M3K-8FJX90S-8MB 126	Used with mounted drills
24	VER-19621	VERIS HOSE8M3K-8FJX90S-8MB 290	Used with no-till drills
24	VER-19626	VERIS HOSE8M3K-8FJX90S-8MB 104	Used with mounted drills
25	VER-19856	VER FLTR ELEMENT PALL 6 MICRON	

Veris Drive Controller

Applies to Models: 2410P, 2420P



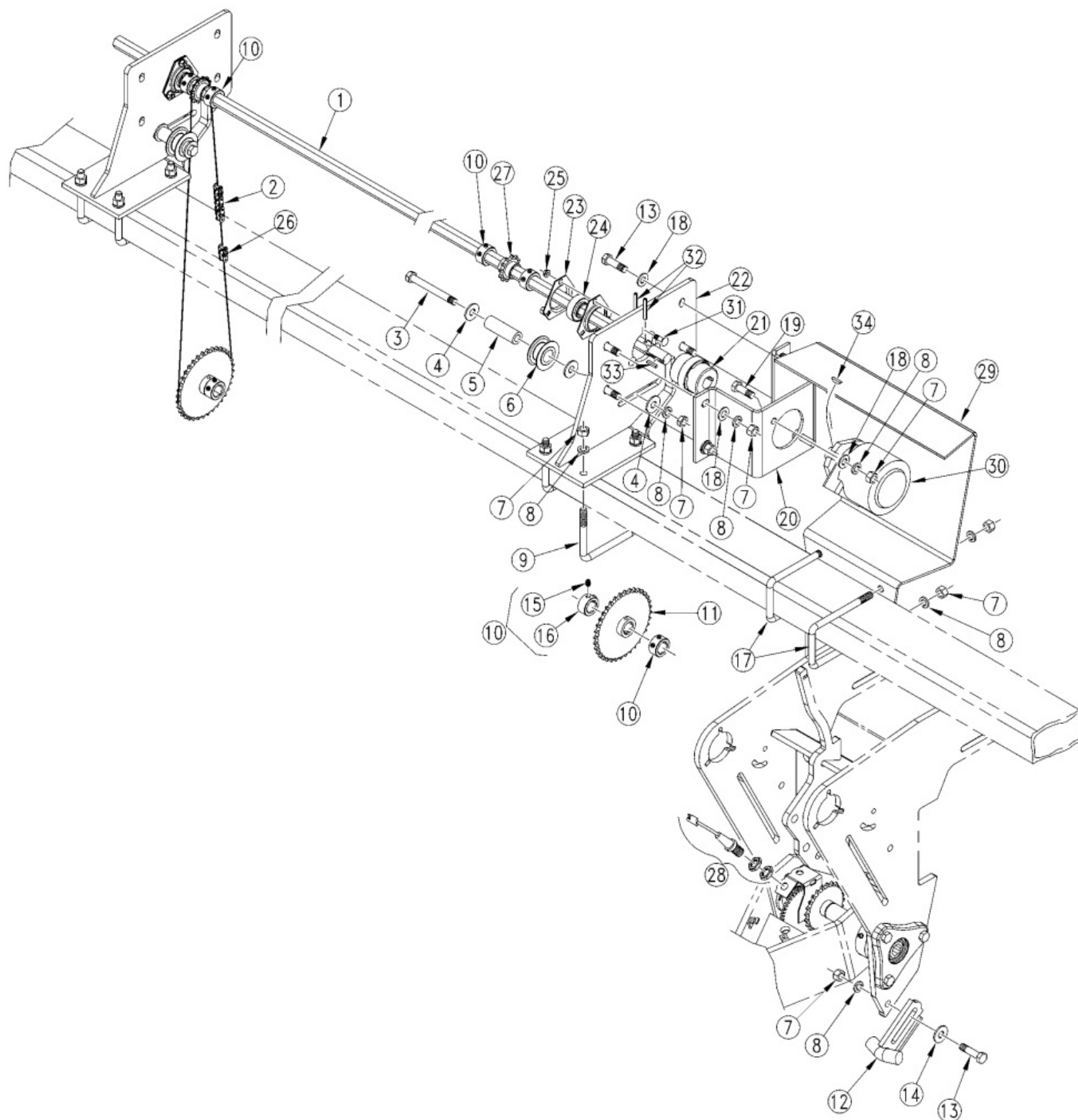
Veris Drive Controller

Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG20085	Image No.	
1	VER-21567	VERIS CAB CONSOLE	10/1/2002+ Includes Power Cable to Battery
1	VER-18363	VERIS USER INTERFACE ASM	9/30/2002-
2	VER-19516	VERIS MOUNT	
3	VER-19579	VERIS SUCTION CUP	
4	VER-18377	RPBY VER-18376	Used with no-till drills
4	VER-19679	PWR/COMM CBL 10.5' -02 MDL DRV	Used with mounted drills
5	VER-18360	VERIS CONTROLLER ASM	
6	VER-19677	VERIS RLUCTANC SNSR ADAPTR MOD	
7	VER-18375	VERIS SOLENOID CABLE	
8	VER-18376	PWR/COMM CABLE 26' -02 MDL DRV	Used with no-till drills
8	VER-19683	RPBY VER-19679	Used with mounted drills
9	VER-19676	VERIS POWER PORT ADAPTER	
10	VER-19729	VERIS PWR PRT ADPTR-HYD DRIVE	
11	VER-18382	VERIS ENCODER W/ CABLE	
12	833-200C	DJ MAGNETIC PICKUP	
13	120-309D	SENSOR DISC, 42T 5.3 DIA PLTD	

Veris Drive To Frame

Applies to Models: 2410P, 2420P



Veris Drive To Frame

Applies to Models: 2410P, 2420P

Ref.	Part No.	Part Description	Comments
	DWG19968	Image No.	
1	120-320D	SHAFT 7/8 HEX VARI DRIVE 15P	
2	136-157D	CHAIN RL #40 135 PITCHES	
3	802-672C	HHCS 1/2-13X4 1/2 GR5 SPTH	
4	804-113C	WASHER FLAT 1/2 USS HARD PLT	
5	120-293D	TUBE RND DOM. 1 OD X 7/32WX3.0	
6	817-406C	IDLER 1 PC 2.38X1.01X1.062	
7	803-020C	NUT HEX 1/2-13 PLT	
8	804-015C	WASHER LOCK SPRING 1/2 PLT	
9	806-159C	U-BOLT 1/2-13 X 5 1/32 X 4 1/2	
10	402-025S	LOCK COLLAR, 7/8 HEX W/ SET SC	
11	808-251C	SPKT 40C36 X 7/8 HEX BORE	
12	120-211H	GAUGE WHEEL BRAKE	
13	802-082C	HHCS 1/2-13X1 3/4 GR5	
14	804-017C	WASHER FLAT 1/2 USS PLT	
15	801-035C	SCREW SET 5/16-18 SKT KP X 3/8	
16	402-058D	COLLAR LOCK 7/8 HEX	
17	806-122C	U-BOLT 1/2-13 X 3 1/32 X 6	
18	804-016C	WASHER FLAT 1/2 SAE PLT	
19	802-091C	HHCS 1/2-13X1 1/2 GR5	
20	120-319D	MOTOR ADAPTOR SAE A 2 BOLT	
21	826-350C	CONEFLEX COUPLING #3R 1BX7/8 B	
22	120-294H	DRIVE BRACKET	
23	822-175C	FLANGETTE 52 3-BOLT PLT	
24	822-119C	BRG 7/8HEXX2.05OD SPH	
25	803-177C	803-184 FLG TP LK 5/16-18ZNYCR	
26	809-070C	#40 COATED OFFSET	
27	808-219C	SPKT 40C12 X 7/8 HEX BORE	
28	833-200C	DJ MAGNETIC PICKUP	
29	VER-19517	VERIS CONTROL MODULE MT 15/24	
30	VER-18468	VERIS MOTOR HYD 5.4 CIR W/ENC	
31	802-282C	RHSNB 5/16-18X1 GR5	
32	805-180C	PIN ROLL 1/4 X 1 1/2 LG PLT	
33	800-296C	RPBY 168-127D	
34	VER-20317	VERIS KEY WOODRUFF	

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