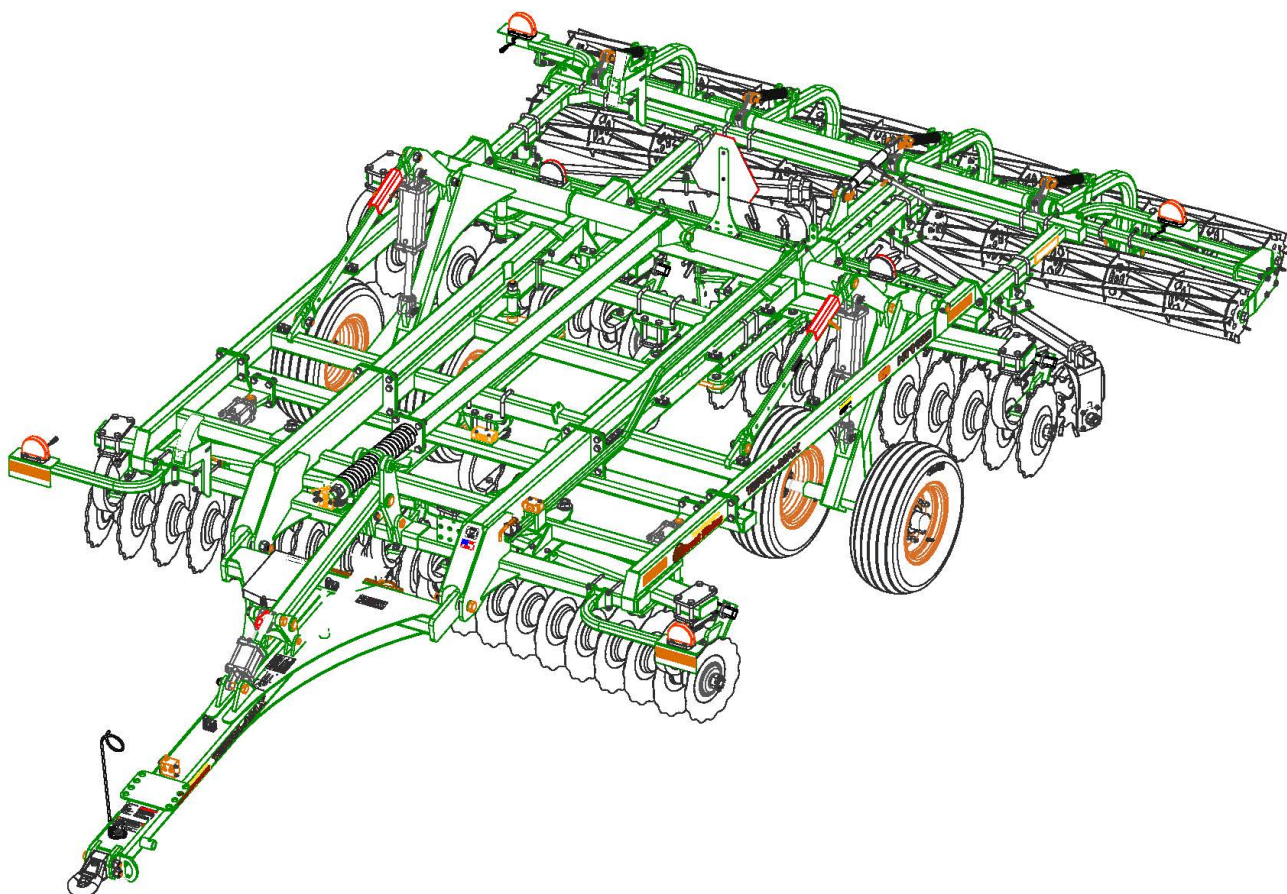


Great Plains

Tillage

PARTS MANUAL

Terra Max HT1100-10, 12 & 15



Original Instructions

588-447P



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.

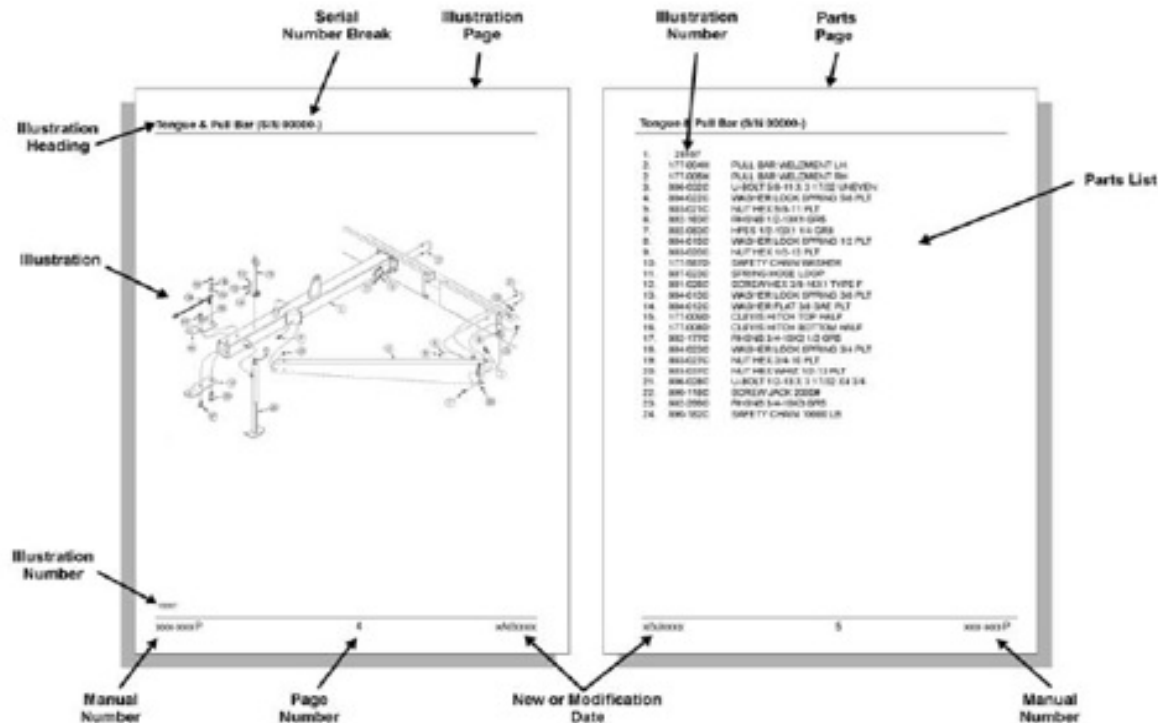
Manual Revisions

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
CRPHTFS	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
HSHCS	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

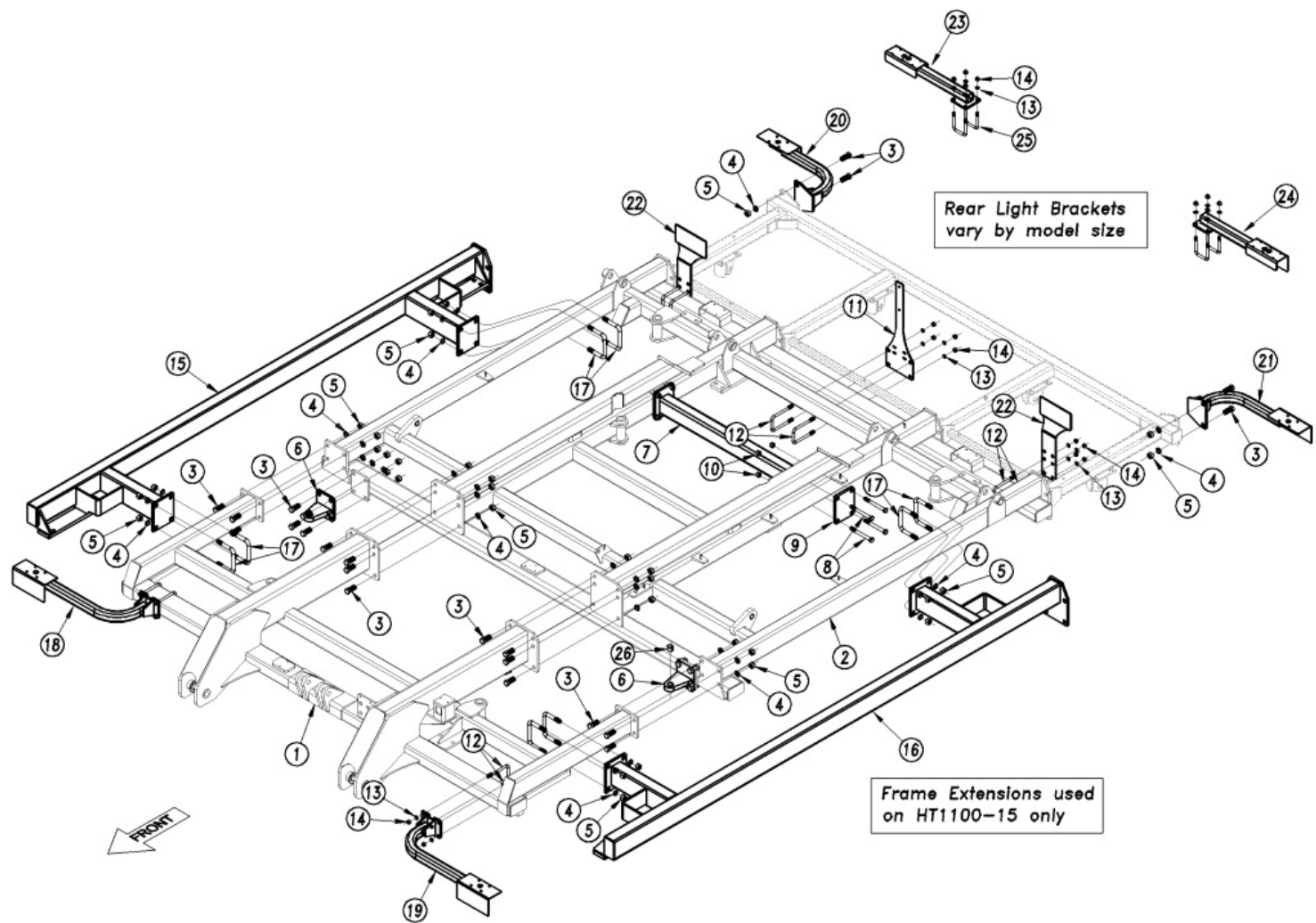
Within the parts list some part numbers are coded for revisions and interchangeability. See notations in revision column.

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: HT1100-10, HT1100-12, HT1100-15

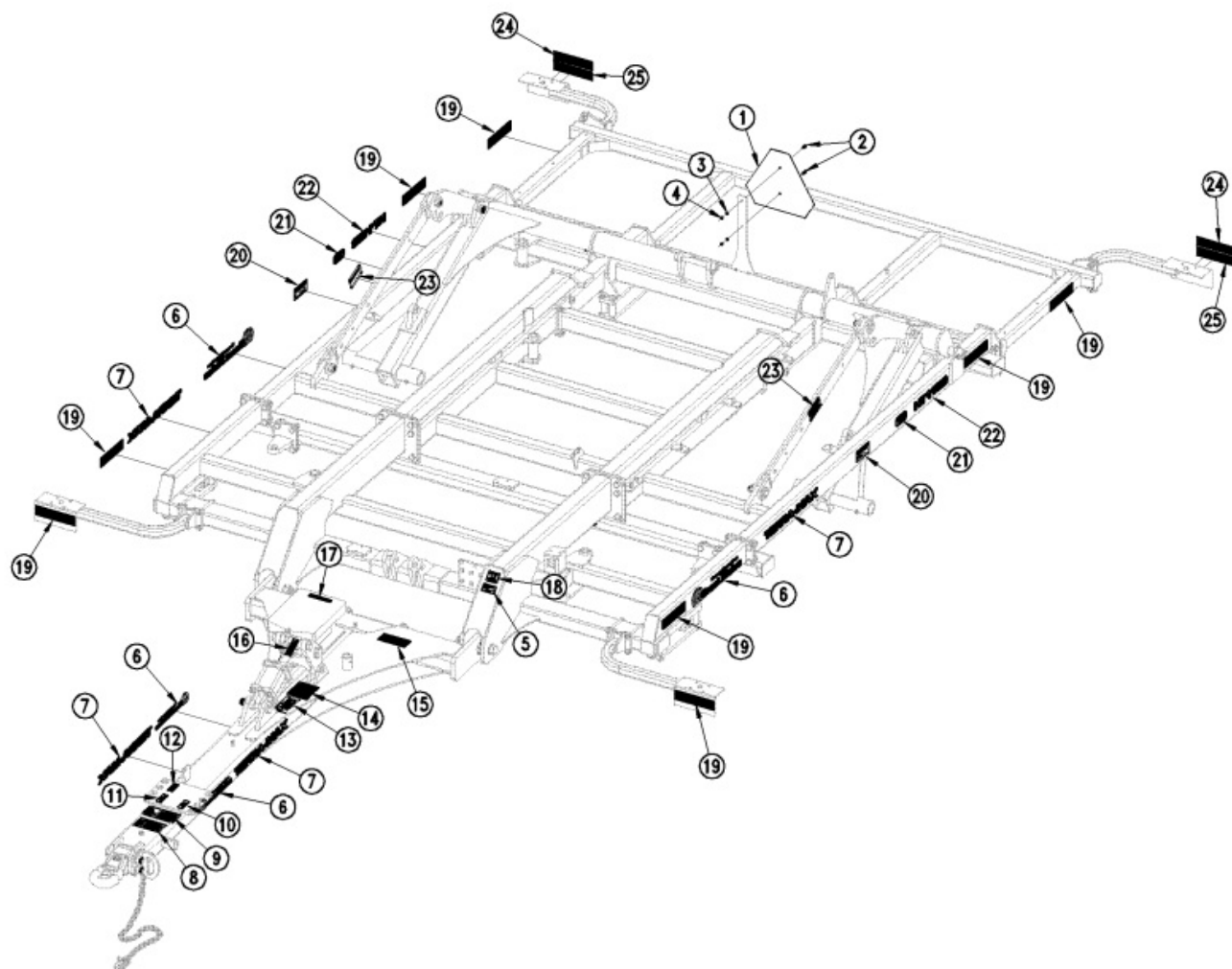


Center Frame Assembly

Applies to Models: HT1100-10, HT1100-12, HT1100-15

Ref.	Part No.	Part Description	Comments
	dwgTP-77124	Image No.	
1	588-381H	HT1100-10 BRACE BAR	
2	588-382H	HT1100-10 CENTER FRAME	Model 10
2	588-365H	HT1100 - 12' CNTR MAIN FRAME	Models 12 & 15
3	802-064C	HHCS 3/4-10X2 GR5	
4	804-023C	WASHER LOCK SPRING 3/4 PLT	
5	803-027C	NUT HEX 3/4-10 PLT	
6	586-773H	HT1100 CENTER CYL MOUNT	
7	586-812H	HT1100 CNTR BREAKER CROSSBAR	
8	802-116C	HHCS 5/8-11X6 GR5	
8	806-253C	U-BOLT 5/8-11 X 5 1/32 X 5 1/4	RPBY 802-116C & 588-364D
9	588-364D	PLATE - TORCHED	
10	803-021C	NUT HEX 5/8-11 PLT	
11	586-600D	SMV MOUNT	
12	806-122C	U-BOLT 1/2-13 X 3 1/32 X 6	
13	804-015C	WASHER LOCK SPRING 1/2 PLT	
14	803-020C	NUT HEX 1/2-13 PLT	
15	588-420H	15' FRAME EXT	Model 15
16	588-419H	15' FRAME EXT	Model 15
17	806-203C	U-BOLT 3/4-10 X 5 1/32 X 4 1/2	
18	589-465H	EXT TM LIGHT BRKT RF/LR	Rear use with no rear attachment
19	589-466H	EXT TM LIGHT BRKT LF/RR	Rear use with no rear attachment
20	589-488H	LIGHT BRKT TM RH REAR	Model 10 & 12
21	589-489H	LIGHT BRKT TM LH REAR	Model 10 & 12
22	589-293D	REFLECTOR BRACKET	Model 15 with no rear attachment frame
23	586-422H	LIGHT BRACKET RH	Model 15
24	586-421H	LIGHT BRACKET LH	Model 15
25	806-066C	U-BOLT 1/2-13 X 3 1/32 X 4	
26	890-005C	BUSHING CYL 1 1/4 X 1 X 1	

Applies to Models: HT1100-10, HT1100-12, HT1100-15

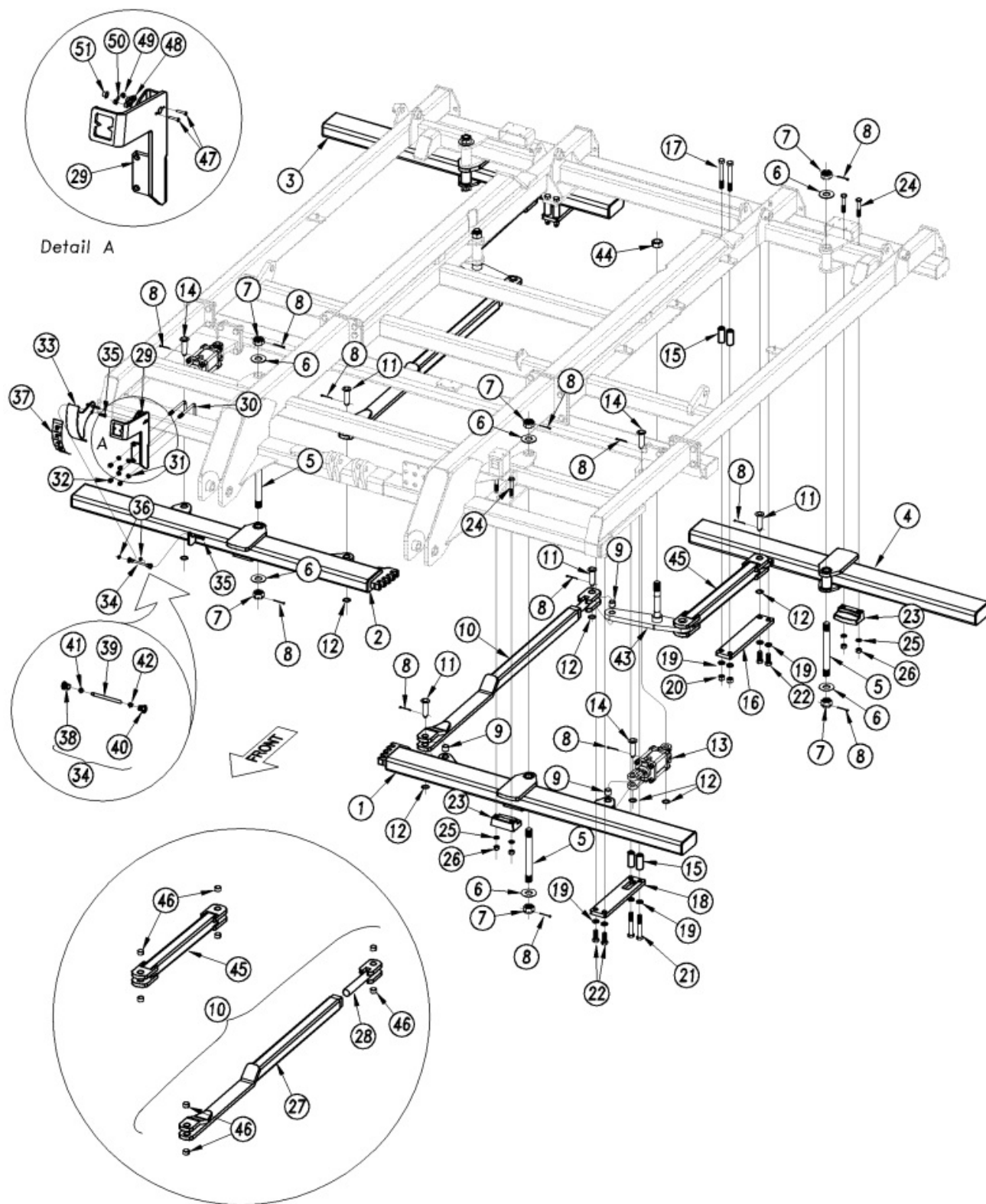


Applies to Models: HT1100-10, HT1100-12, HT1100-15

Ref.	Part No.	Part Description	Comments
	dwgTP-77128	Image No.	
1	818-055C	DECAL SLOW MOVING-GALV. BACKED	
2	801-005C	SCREW PAN HD 1/4-20 X 3/4	
3	804-006C	WASHER LOCK SPRING 1/4 PLT	
4	803-006C	NUT HEX 1/4-20 PLT	
5	818-190C	DECAL FLAG	
6	848-911C	DECAL GP&LOGO HARVEST/3X20 STR	
7	844-240C	DECAL - TERRA-MAX	
8	838-606C	DECAL WARNING TONGUE RISING	
9	838-600C	DECAL DANGER CRUSHING HAZARD	
10	818-134C	DECAL COUPLER STORAGE, BLACK	
11	818-136C	DECAL COUPLER STORAGE, RED	
12	844-325C	DECAL COUPLER STORAGE, YELLOW	
13	838-599C	DECAL DANGER ELECTROCUTION HA	
14	838-598C	DECAL CAUTION GENERAL 4.5X5	
15	838-094C	DECAL WARNING HYD PRESS LONG	
16	858-059C	TM LEVEL DECAL	
17	838-482C	DECAL GP PLANTING COMPONENTS	
18	838-992C	DECAL DISK DEPTH CONTROL	
19	838-615C	DECAL REFLECTOR AMBER 2X9	
20	858-997C	DECAL CAUTION TIRE73PSI/85-100	Model 10
20	818-752C	DECAL CAUTION TIRE 52 PSI	Model 12
20	858-910C	DECAL CAUTION TIRE 90PSI/85	Model 15
21	844-411C	DECAL - 10	
21	844-412C	DECAL - 12	
21	844-413C	DECAL - 15	
22	844-241C	DECAL - HT1100	
23	838-613C	DECAL NOTICE TRANSPORT LOCKS	
24	838-614C	DECAL REFLECTOR RED 2X9	
25	838-603C	DECAL REFLECTOR ORANGE 2X9	

Gang Bar Assembly

Applies to Models: HT1100-10, HT1100-12, HT1100-15



Gang Bar Assembly

Applies to Models: HT1100-10, HT1100-12, HT1100-15

Ref.	Part No.	Part Description	Comments
	dwgTP-77126	Image No.	
1	586-776H	HT1100 CNTR LF GANG BAR	Model 10
1	588-370H	HT1100 - 12' GANG BAR FRNT LH	Model 12
1	588-399H	GANG BAR HT1100-15 LH FRONT	Model 15
2	586-775H	HT1100 CNTR RF GANG BAR	Model 10
2	588-372H	GANG BAR HT1100-12 RH FRONT	Model 12
2	588-401H	GANG BAR HT1100-15 RH FRONT	Model 15
3	586-270H	CENTER BACK RH GANG TUBE	Model 10
3	588-366H	GANG BAR HT1100 RH REAR	Model 12
3	588-396H	GANG BAR RH REAR	Model 15
4	586-269H	CENTER BACK LH GANG TUBE	Model 10
4	588-373H	GANG BAR HT1100 LH REAR	Model 12
4	588-403H	GANG BAR LH REAR	Model 15
5	586-589D	BOLT 1 1/4 X 12 1/8	
6	804-035C	WASHER FLAT 1 1/4 USS PLT	
7	803-079C	NUT HEX SLOTTED 1 1/4 - 7	
8	805-058C	PIN COTTER 3/16 X 2	
9	890-005C	BUSHING CYL 1 1/4 X 1 X 1	
10	586-789S	HT1100 TURNBUCKLE ASSY - SHORT	
11	805-498C	PIN CLEVIS 1 X 3 USABLE	
12	804-192C	WASHER MACH 1.5X1.00X.075	
13	810-741C	CYL REP 3.25X2.5X1.25 ROD(TIE)	
14	805-351C	PIN CLVS 1.0X3.38 USBL	
15	586-542D	SPACER	
16	586-543D	BOTTOM PLATE REAR	
17	802-070C	HHCS 3/4-10X6 GR5	
18	586-544D	BOTTOM PLATE FRONT	
19	804-023C	WASHER LOCK SPRING 3/4 PLT	
20	803-027C	NUT HEX 3/4-10 PLT	
21	802-069C	HHCS 3/4-10X5 GR5	
22	802-064C	HHCS 3/4-10X2 GR5	
23	812-402C	BRACKET	
24	802-162C	HHCS 5/8-11X3 1/2 GR5	
25	804-022C	WASHER LOCK SPRING 5/8 PLT	
26	803-021C	NUT HEX 5/8-11 PLT	
27	586-788H	HT1100 TURNBUCKLE	
28	586-257H	TURNBUCKLE END	
29	588-034H	GAUGE BRACKET	
30	806-122C	U-BOLT 1/2-13 X 3 1/32 X 6	
31	804-015C	WASHER LOCK SPRING 1/2 PLT	
32	803-020C	NUT HEX 1/2-13 PLT	
33	588-035H	ANGLE GAUGE	
34	586-837S	ADJUSTABLE LINK 13.00"	
35	802-079C	HHCS 3/8-16X1 1/4 GR5	
36	803-123C	NUT HEX TOP LOCK 3/8-16 PLT	
37	844-218C	DECAL TERRAMAX GAUGE	
38	827-209C	3/8 ROD END 3/8-24 UNF LH THD	
39	588-370D	BAR RND - 3/8 THD	
40	827-210C	3/8 ROD END 3/8-24 UNF RH THD	
41	803-458C	NUT HEX JAM 3/8-24 LH	

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Gang Bar Assembly

Ref.	Part No.	Part Description	Comments
42	803-373C	NUT HEX JAM 3/8-24 PLT	
43	586-780H	HT1100 ROCKER ARM	
44	803-314C	NUT HEX TOP LOCK 1 1/4-7 PLT	
45	586-255H	LINK	
46	890-143C	BUSHING HARDENED 1 1/4-1-3/4 L	
47	842-265C	HHCS #10-24X1 GR5	
48	837-048C	FLANGE BEARING - 3/8	
49	803-517C	NUT HEX FLANGE #10-24 NYL	
50	800-459C	SNAP RING 3/8	
51	837-049C	FLANGE BEARING - 3/8	

Diagram illustrating the assembly of a tractor hitch system, showing various components and their assembly sequence. The diagram includes callouts for specific parts and options:

- Standard Hitch w/ Level Cylinder:** Indicated by a callout pointing to the main assembly.
- Turnbuckle Hitch Option:** Indicated by a callout pointing to the turnbuckle assembly (parts 33, 34, 35, 36, 37).
- Cat IV Tongue Option:** Indicated by a callout pointing to the Cat IV tongue assembly (parts 6, 7, 8, 9, 10, 11, 12).
- Use Items 8-11 to convert Cat IV (6) below to Cat III.** Part # 891-190C
- Use clevis ONLY with single tractor drawbar or for towing.**

The diagram shows the main hitch assembly (1) and its connection to the tractor frame (2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12). It also shows the turnbuckle assembly (33, 34, 35, 36, 37) and the Cat IV tongue assembly (6, 7, 8, 9, 10, 11, 12). The diagram includes a detailed view of the turnbuckle assembly (33, 34, 35, 36, 37) and the Cat IV tongue assembly (6, 7, 8, 9, 10, 11, 12).

Hitch Assembly

Applies to Models: HT1100-10, HT1100-12, HT1100-15

Ref.	Part No.	Part Description	Comments
	dwgTP-77123	Image No.	
1	588-412H	HITCH FRAME - SML	
2	802-748C	HHCS 1 1/4-7X8 GR8 PLT	
3	804-039C	WASHER FLAT 1 1/4 SAE PLT	
4	803-314C	NUT HEX TOP LOCK 1 1/4-7 PLT	
5	890-246C	SCREW JACK 5000# 15-30 SD-WND	
6	891-189C	HITCH BASE - CAT IV	
7	890-798C	HITCH CLEVIS W/BOLT	DO NOT use if tractor drawbar has hammer strap. Will not work with cat V.
8	PPI-203VR	V-BLOCK	
9	PPI-205H	CUSHION	
10	PPI-302V	TOP PLATE - CAT 3	
11	802-383C	HHCS 3/4-10X3 GR5	
12	586-241V	HITCH TONGUE CAT III ASSEMBLY	Includes items 6, 8-11.
13	566-169D	SAFETY CHAIN 16100 LB	
14	556-236D	SAFETY CHAIN SUPPORT	
15	842-203C	HHCS 1-8X7 1/2 GR8 SPTH PLT	
16	804-029C	WASHER FLAT 1 SAE	
17	804-027C	WASHER LOCK SPRING 1 PLT	
18	803-031C	NUT HEX 1-8 PLT	
19	802-332C	HHCS 7/8-9X3 GR5	
20	804-026C	WASHER FLAT 7/8 SAE PLT	
21	804-037C	WASHER LOCK SPRING 7/8 PLT	
22	803-049C	NUT HEX 7/8-9 PLT	
23	807-073C	SPRING HOSE LOOP HEAVY	
24	802-258C	HHCS 1/2-13X1 GR5	
25	804-015C	WASHER LOCK SPRING 1/2 PLT	
26	804-017C	WASHER FLAT 1/2 USS PLT	
27	586-314H	H - BRACKET	
28	890-005C	BUSHING CYL 1 1/4 X 1 X 1	
29	890-011C	BUSHING SPINDLE 1 1/2X1 1/4X1	
30	805-134C	PIN CLVS 1.0X2.45 USBL	
31	804-192C	WASHER MACH 1.5X1.00X.075	
32	805-058C	PIN COTTER 3/16 X 2	
33	556-119S	LEVEL TURNBUCKLE	
34	556-171H	TURNBUCKLE SUB ASSY	
35	556-170H	TURNBUCKLE SUB ASSY RH THREAD	
36	803-210C	NUT HEX JAM 1 1/2-12 PLT	
37	556-169H	TURNBUCKLE SUB ASSY LH THREAD	
38	802-859C	HHCS 1-8X8 GR8 PLT SPTH	
39	803-316C	NUT HEX LOCK 1-8 PLT	
40	556-296D	GANG WRENCH, 1 3/4	
41	586-158D	TRNBCKLE WRENCH 2 5/16-1 15/16	
42	805-442C	PIN LINCH 3/16 W/COTTER/CHAIN	
43	588-204H	FRONT LEVEL BAR	
44	576-145D	HHCS 1 1/4-7X8 1/2 GR8 SPTH	
45	803-314C	NUT HEX TOP LOCK 1 1/4-7 PLT	
46	817-516C	MANUAL PAK 1" W/ GASKET	
47	802-005C	HHCS 1/4-20X1 GR5	
48	817-042C	MINI END WHEEL PRESS WHEEL	
49	804-006C	WASHER LOCK SPRING 1/4 PLT	



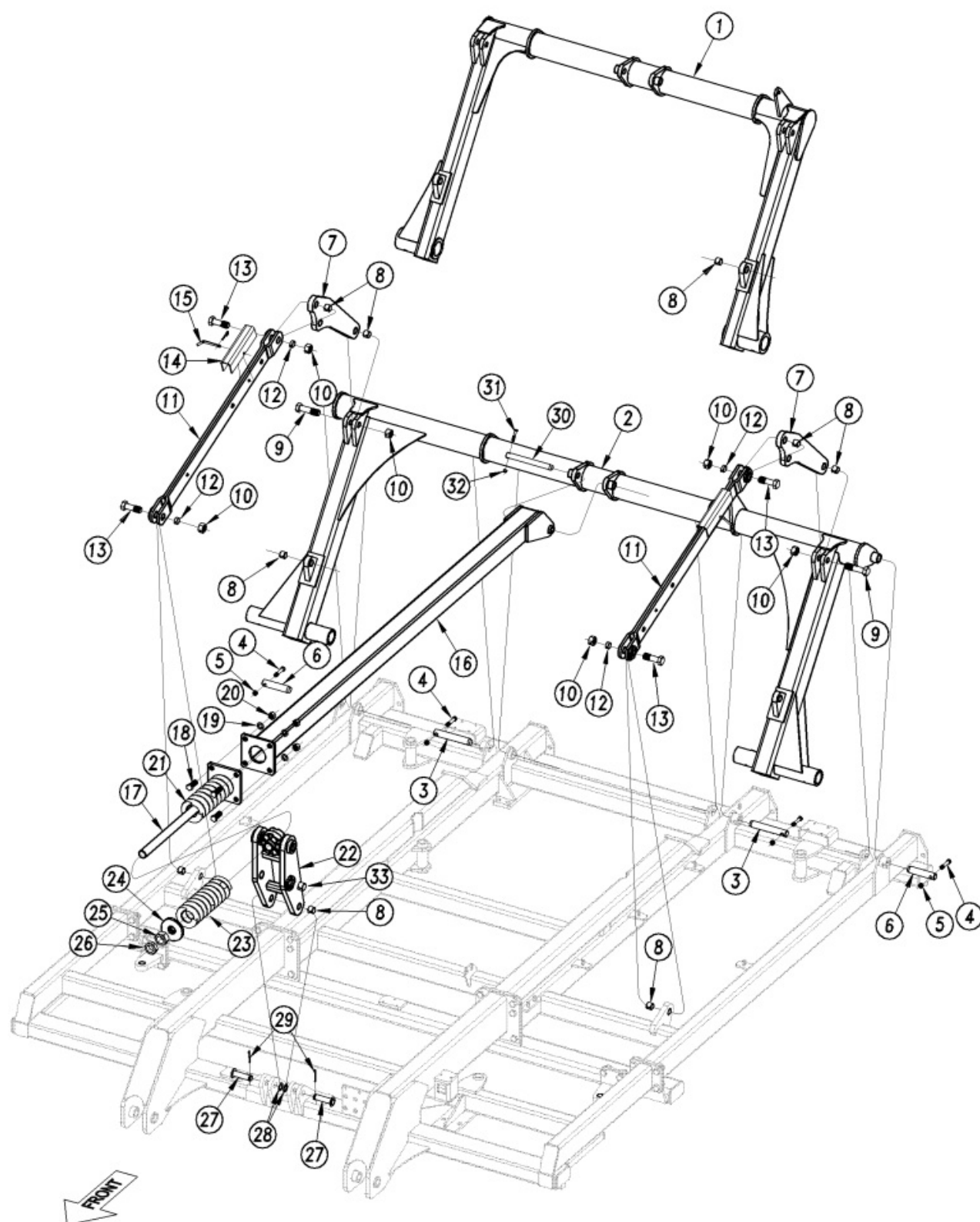
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Hitch Assembly

Ref.	Part No.	Part Description	Comments
50	803-006C	NUT HEX 1/4-20 PLT	
51	816-886C	HYDRAULIC HOSE HOLDER 1/2"	
52	816-885C	HYDRAULIC HOSE HOLDER 3/8"	
53	589-248D	HYD HOSE HOLDER TOP PLATE	
54	800-495C	HOSE CLIP 9/16 ID	
55	804-009C	WASHER LOCK SPRING 5/16 PLT	
56	802-013C	HHCS 5/16-18X1 3/4 GR5	
57	802-159C	HHCS 5/16-18X1 GR5	
58	810-116C	COUNTERBALANCE VALVE MAN. T.T.	
59	802-279C	HHCS 5/16-18X4 GR5	
60	803-008C	NUT HEX 5/16-18 PLT	
61	810-626C	CYL 4X3X1.50 ROD (TIE ROD)	Seal Kit 810-060C
62	589-222D	LEVEL GUAGE BRACKET	
63	858-059C	TM LEVEL DECAL	
64	589-487H	LEVEL INDICATOR	
65	891-670C	CAT IV ARTICULATING BALL HITCH	Part of 589-661A CAT IV ARTICULATING HITCH OPT

Lift & Level Bar Assembly

Applies to Models: HT1100-10, HT1100-12, HT1100-15



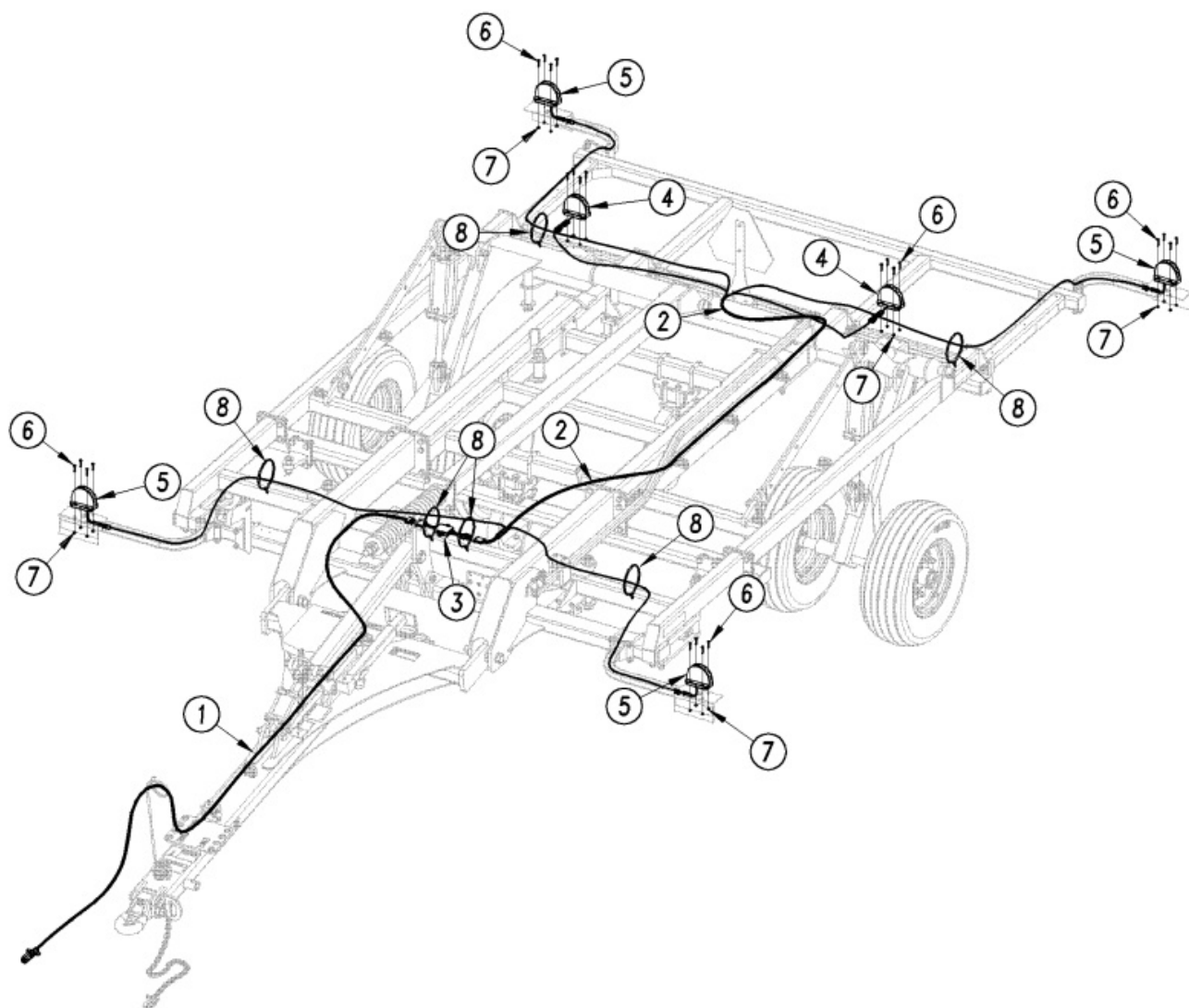
Lift & Level Bar Assembly

Applies to Models: HT1100-10, HT1100-12, HT1100-15

Ref.	Part No.	Part Description	Comments
	dwgTP-77125	Image No.	
1	588-343H	HT1100-10 TORQUE TUBE	Model 10
2	588-344H	HT1100 - 12' & 15' TORQUE TUBE	Models 12 & 15
3	805-580C	PIN HDLS PVT 1.25X7.75 HRDN	All Models
4	842-249C	HHCS 1/2-13X2 5/8 GR8 SPTH	
5	803-342C	NUT HEX TOP LOCK 1/2-13 PLT	
6	805-514C	PIN 1.25 X 6.75 HRD PLT	Models 12 & 15
7	586-334S	CYLINDER MOUNT BAR TURBOMAX	
8	890-005C	BUSHING CYL 1 1/4 X 1 X 1	
9	842-253C	HHCS 1-8X4 GR8 SPTH	
10	803-316C	NUT HEX LOCK 1-8 PLT	
11	586-259H	LIFT STRAP	
12	890-836C	BUSHING 1 1/4X1X1/2 HRD	
13	842-254C	HHCS 1-8X3 1/4 GR8 SPTH	
14	586-149D	4.25X10 CYL TRANSPORT LOCK	
15	805-001C	PIN BENT .38X3.0 USBL W/PIN	
16	588-345H	HT1100 10' 12' 15' LEVEL BAR	
17	586-373H	LEVEL BAR SPRING ROD	
18	802-947C	HHCS 3/4-10X2 GR8	
19	804-023C	WASHER LOCK SPRING 3/4 PLT	
20	803-027C	NUT HEX 3/4-10 PLT	
21	807-419C	SPRING COMP 4.63ODX1.19WX13L	
22	586-398H	H - BRACKET	
23	807-314C	SPRING COMP 4.5ODX1.125WX13L	
24	586-374H	SPRING GUIDE	
25	803-073C	NUT HEX 1 1/2-6 PLT	
26	803-063C	NUT HEX JAM 1 1/2-6 PLT	
27	805-351C	PIN CLVS 1.0X3.38 USBL	
28	804-192C	WASHER MACH 1.5X1.00X.075	
29	805-058C	PIN COTTER 3/16 X 2	
30	805-422C	PIN 1.0X8.67 USBL HRD PLT	
31	802-771C	HHCS 3/8-16X2 GR8 PLT	
32	803-078C	NUT LOCK 3/8-16 NYLON INSERT	
33	890-011C	BUSHING SPINDLE 1 1/2X1 1/4X1	

Applies to Models: HT1100-10, HT1100-12, HT1100-15

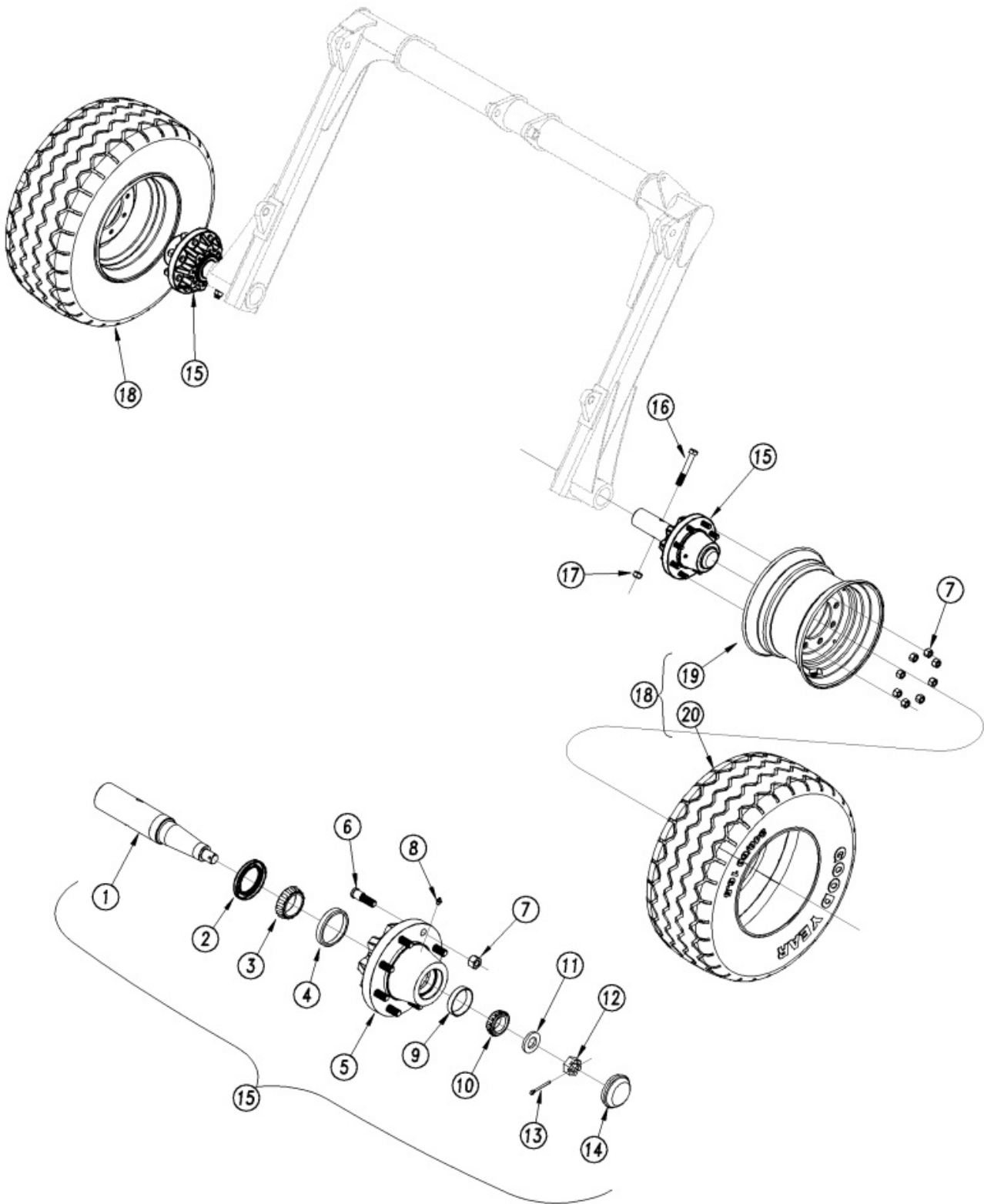
See Center Frame Assembly
For Light Brackets



Applies to Models: HT1100-10, HT1100-12, HT1100-15

Ref.	Part No.	Part Description	Comments
	dwgTP-77127	Image No.	
1	833-701C	LIGHT HARNSS LEAD W/ VALVE LED	
2	833-702C	LIGHT HARNESS DUAL AMBER - LED	
3	833-694C	LIGHT HRNSS ENHANCE MODULE LED	
4	833-696C	LIGHT, RED LAMP - LED	
5	833-697C	LIGHT, AMBER LAMP LED	
6	802-224C	HHCS 1/4-20X1 1/4 GR5	
7	803-007C	NUT LOCK 1/4-20 PLT	
8	800-112C	CABLE TIE .19X7.25 1.75D 50LB	

Applies to Models: HT1100-10



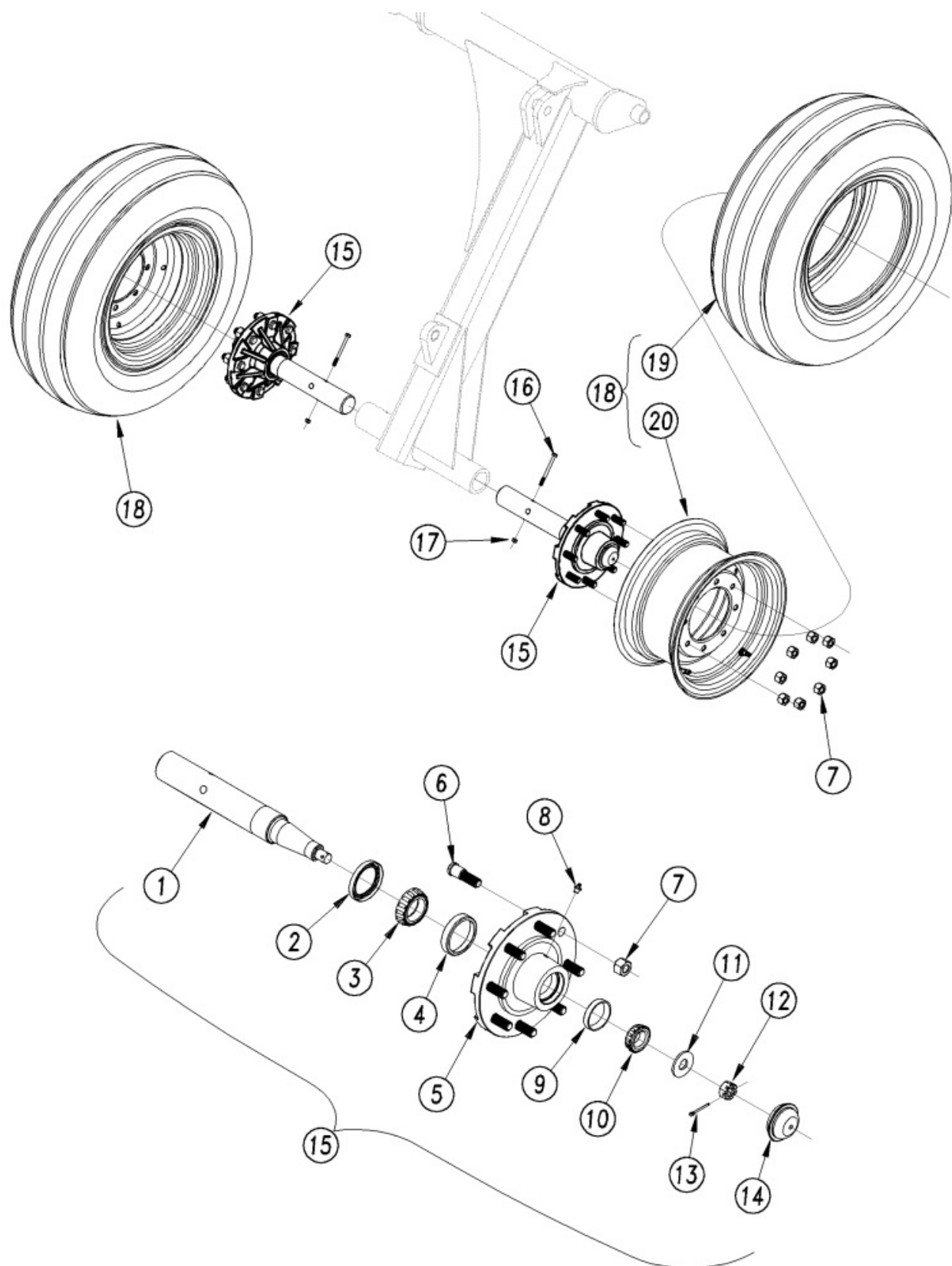
Transport HT1100-10

Applies to Models: HT1100-10

Ref.	Part No.	Part Description	Comments
	dwgTP-77137	Image No.	
1	815-313C	SPINDLE 2.75 X 15.00	
2	816-595C	OIL SEAL CR29968	
3	822-238C	BEARING CONE 387-AS	
4	822-107C	BRG CUP 3.81D 382A	
5	815-301C	HUB ASSEMBLY; 8-BOLT, 8000LBS	
6	802-182C	HUB STUD 5/8-18X2 1/2 GRADE 8	
7	803-219C	NUT LUG 5/8-18 X 90 DEG PLT	
8	800-130C	GREASE ZERK STRAIGHT 1/8-27NPT	
9	822-053C	BRG CUP 2.89ODX.58WD #LM501310	
10	822-048C	BRG CONE 1.62IDX.78WD#LM501349	
11	148-404D	1 HARDENED SPINDLE WASHER	
12	803-095C	NUT HEX SLOTTED 1-14	
13	805-060C	PIN COTTER 7/32 X 2	
14	890-277C	GREASE CAP 3.125 X .38	
15	815-314C	8 BOLT HUB SPINDLE ASM 75-8	Includes items 1-14
16	802-069C	HHCS 3/4-10X5 GR5	
17	803-367C	NUT HEX TOP LOCK 3/4-10 PLT	
18	814-764C	TIRE ASY340/60R16.5 3/8OF BKSN	Includes items 19 & 20
18	814-500C	RPBY 814-764C	OBSOLETE. Includes items 19 & 20
19	814-775C	WHEEL 16.5X11.00 3/8OFFST BKSN	
19	814-501C	WHEEL 16.5X11.00 3/8OFFST BKSN	OBSOLETE. RPBY 814-775C
20	814-469C	TIRE TITAN 340/60R16.5	

Transport HT1100-12-15

Applies to Models: HT1100-12, HT1100-15



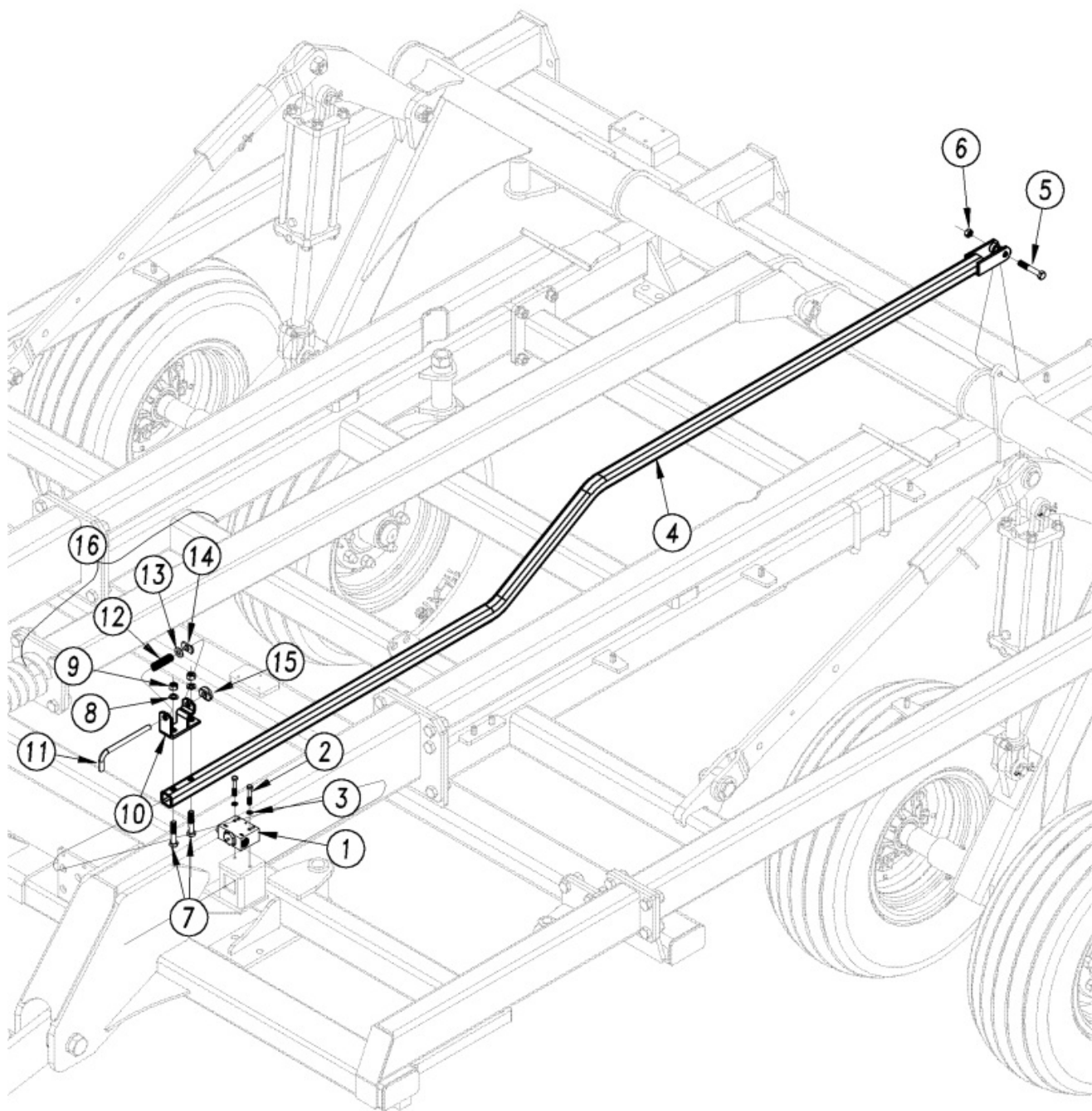
Transport HT1100-12-15

Applies to Models: HT1100-12, HT1100-15

Ref.	Part No.	Part Description	Comments
	dwgTP-77138	Image No.	
1	560-236D	AXLE SPINDLE 2.25X16.5 Q45-8B	
2	816-529C	HUB SEAL Q458 (TCM 223063TB-H)	
3	822-169C	BRG CONE 1.78ID LM603049	
4	822-168C	BRG CUP 3.06OD LM603011	
5	815-229C	HUB 8-BOLT Q45-8B W/CUPS	
6	802-182C	HUB STUD 5/8-18X2 1/2 GRADE 8	
7	803-219C	NUT LUG 5/8-18 X 90 DEG PLT	
8	800-130C	GREASE ZERK STRAIGHT 1/8-27NPT	
9	822-020C	BRG CUP LM-67010	
10	822-021C	BRG CONE 1.25ID LM-67048	
11	804-008C	WASHER FLAT 3/4 HARD USS	
12	803-053C	NUT HEX SLOTTED 3/4-16	
13	805-089C	PIN COTTER 5/32 X 1 1/2 LONG	
14	890-781C	GREASE CAP 2.448X.25X1.13	
15	815-226C	HUB 8-BOLT SPNDL 2.25X16.5 Q45	Includes items 1-14
16	842-266C	HHCS 5/16-18X3 1/2 GR8	
17	803-166C	NUT HEX TOP LOCK 5/16-18 PLT	
18	814-525C	TIRE/WHL 11LX15 12PLY 8BLT BKS	Model 12. Includes items 19 & 20
18	814-502C	TIRE/WHL 11LX15LOAD F 8BLT BKS	Model 15. Includes items 19 & 20
19	814-031C	TIRE 11L-15SL 12 PLY TUBELESS	Model 12
19	814-226C	TIRE 11LX15 LOAD F	Model 15
20	814-503C	WHEEL 15X8 8 BOLT BUCKSKIN	

Depth Control Assembly

Applies to Models: HT1100-10, HT1100-12, HT1100-15



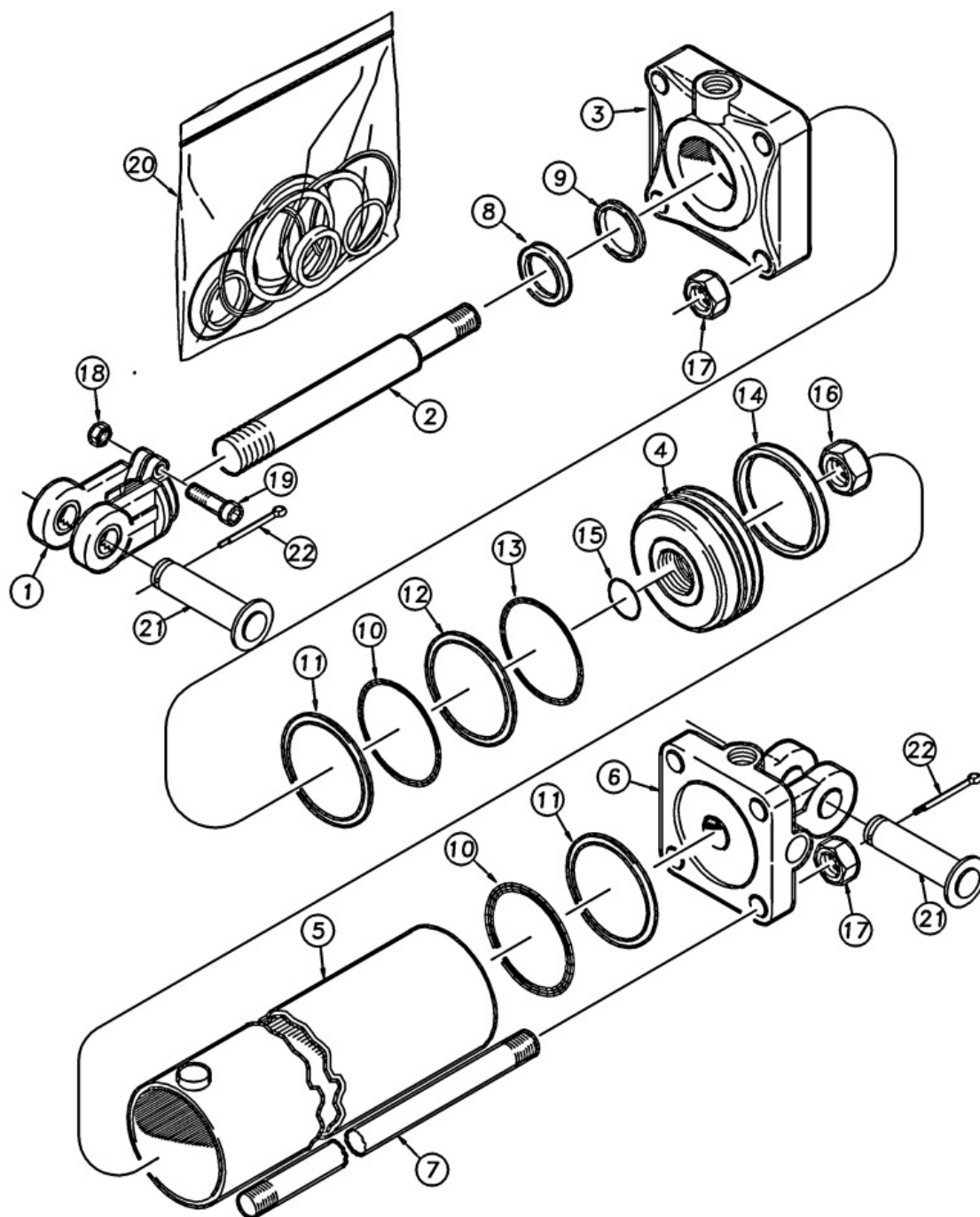
Depth Control Assembly

Applies to Models: HT1100-10, HT1100-12, HT1100-15

Ref.	Part No.	Part Description	Comments
	dwgTP-77165	Image No.	
1	850-435C	HYD VALVE DEPTH CONTROL PRINCE	
2	802-115C	HHCS 5/16-18X2 GR5	
3	804-009C	WASHER LOCK SPRING 5/16 PLT	
4	586-785H	DEPTH STOP TUBE - 20/25/30	
5	802-039C	HHCS 1/2-13X3 GR5	
6	803-342C	NUT HEX TOP LOCK 1/2-13 PLT	
7	802-130C	HHCS 1/2-13X2 1/2 GR5	
8	804-015C	WASHER LOCK SPRING 1/2 PLT	
9	803-020C	NUT HEX 1/2-13 PLT	
10	550-200H	DEPTH STOP BRACKET	
11	550-425D	DEPTH STOP ROD 1/2" THREADED	
12	807-216C	SPRING COMP .75OD .12W 2.63LG	
13	804-094C	WASHER FLAT 1/2 HARD ASTM F436	
14	803-338C	NUT WELD 1/2-13 4XPROJECTION	
15	550-201H	DEPTH STOP END	
16	550-202S	DEPTH STOP ASSEMBLY	

Hydraulic Cylinder (810-502C) 3.75 X 10 X 1.38 ROD

Applies to Models: HT1100-10, HT1100-12, HT1100-15



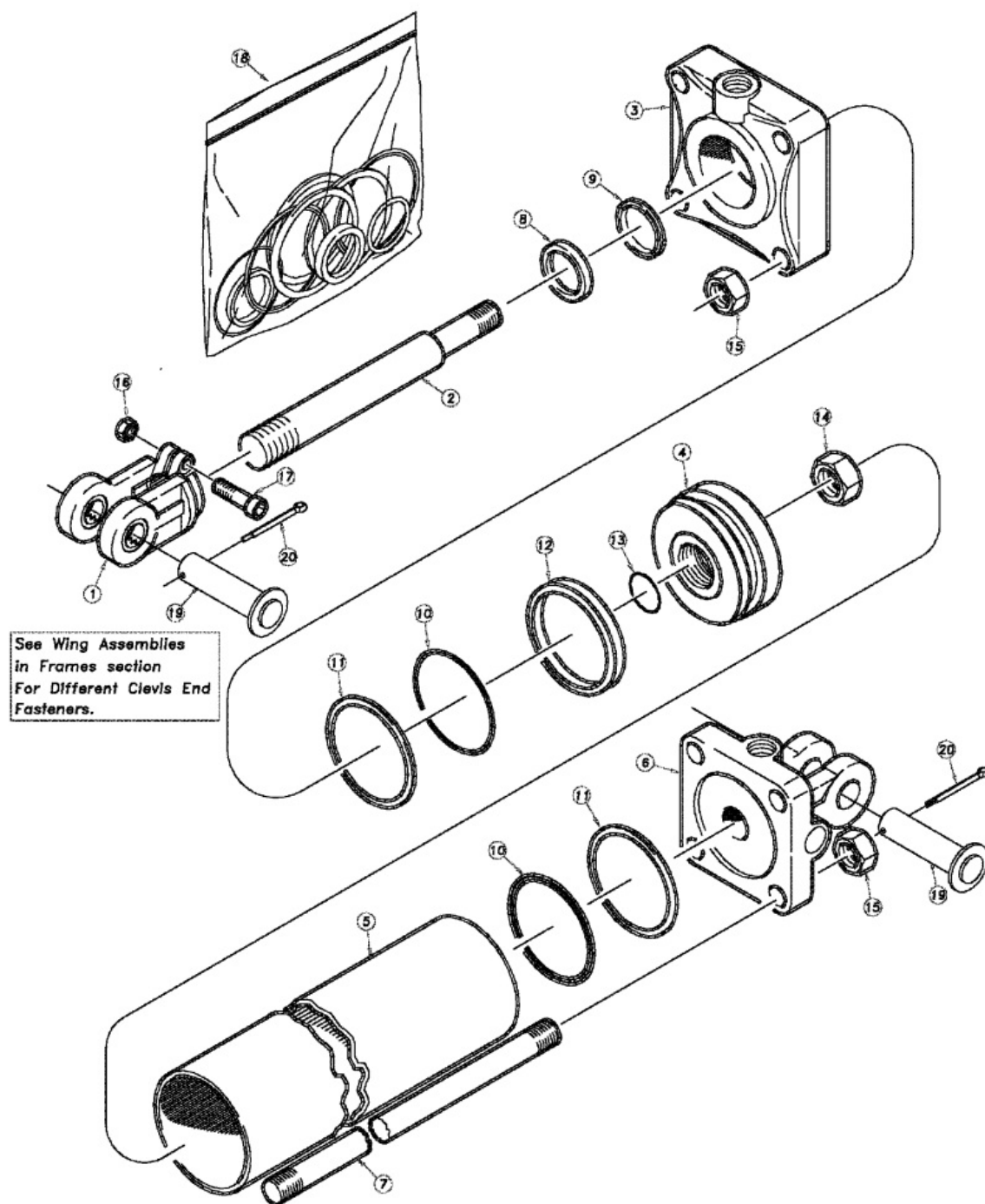
Hydraulic Cylinder (810-502C) 3.75 X 10 X 1.38 ROD

Applies to Models: HT1100-10, HT1100-12, HT1100-15

Ref.	Part No.	Part Description	Comments
	DWG 41918	Image No.	
1	1M7016-ADI	MIDWAY HARDENED CLEVIS ADI	
2	2M6816	RPBY 2M6816NC	
3	3R4840	MW HEAD	
4	4R4109	PISTON MIDWAY	
5	5R4118	MIDWAY TUBE	
6	6R4164-ADI	MIDWAY ADI BASE	
7	7M6318	MW TIE ROD 4 X 10 CYLINDER	
8		MW WIPER SEAL	Only in item 20
9		U-CUP	Only in item 20
10		O-RING MIDWAY	Only in item 20
11		BACK UP MIDWAY	Only in item 20
12		TEFLON SEAL	Only in item 20
13		LOADER	Only in item 20
14		WEAR RING	Only in item 20
15		O-RING	Only in item 20
16	2A0024	MW PISTON NUT 1-14	
17	2A0018	MW TIE ROD NUT	
18	803-234C	NUT HEX 3/8-16 PLAIN	
19	802-023C	HHCS 3/8-16X1 3/4 GR5	
20	810-373C	SEAL KIT MW 3.75X1.375 4A4103	
21	805-396C	PIN CLEVIS 1 X 3 1/8 USABLE	
22	805-058C	PIN COTTER 3/16 X 2	

Hydraulic Cylinder (810-626C) 4 X 3 X 1.5 ROD

Applies to Models: HT1100-10, HT1100-12, HT1100-15



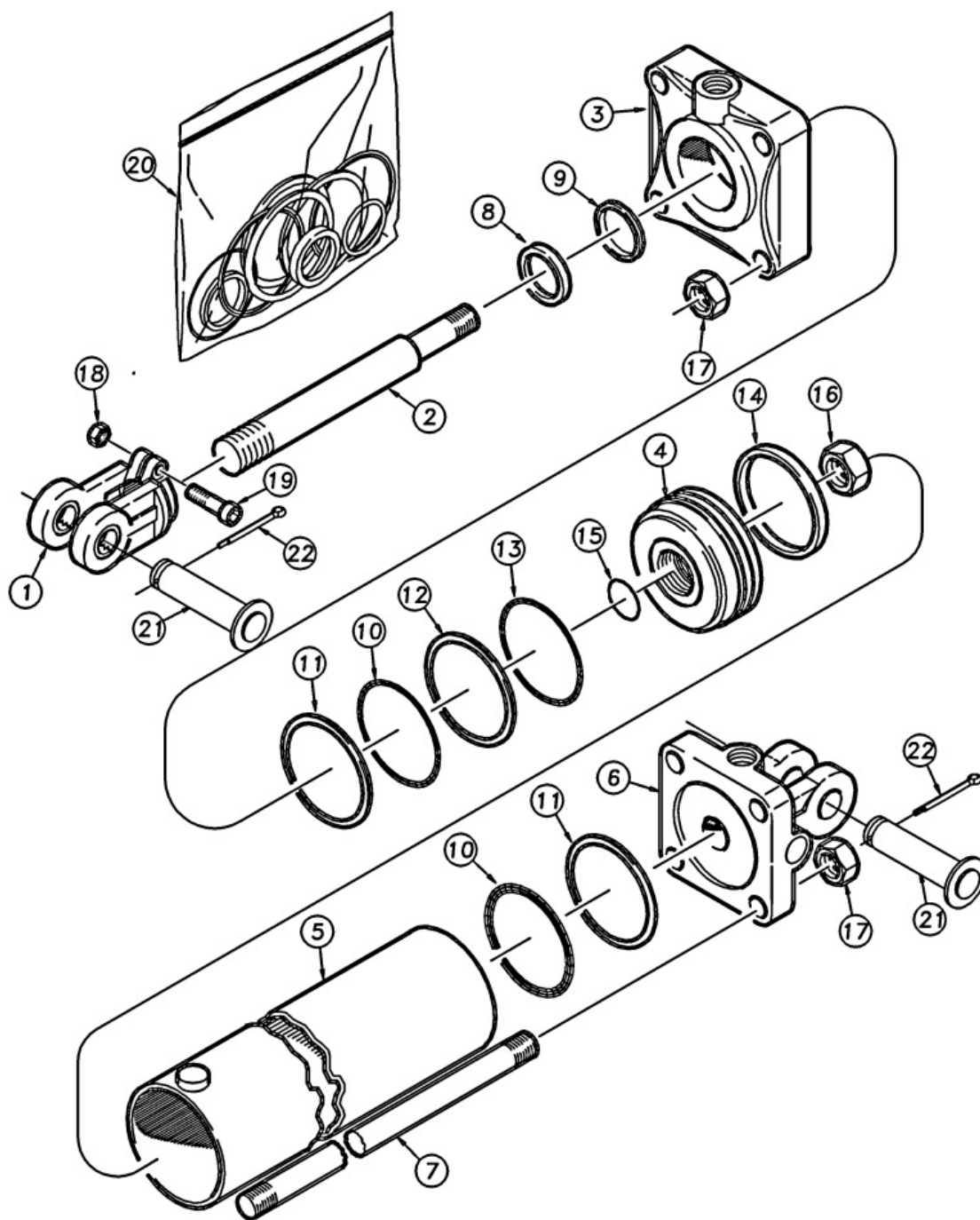
Hydraulic Cylinder (810-626C) 4 X 3 X 1.5 ROD

Applies to Models: HT1100-10, HT1100-12, HT1100-15

Ref.	Part No.	Part Description	Comments
	DWGT-69608	Image No.	
1	1M7021-ADI	MIDWAY HARDENED CLEVIS ADI	
2	2S6595NC	MIDWAY N/C ROD	
3	3R5412	MIDWAY HEAD	
4	4M6108	MW PISTON	
5	5M6111	MW TUBE	
6	6R5162-ADI	MIDWAY ADI BASE	
7	7M6311	MW TIE ROD	
8		MW WIPER	Only in item 18
9		U-CUP	Only in item 18
10		O-RING MIDWAY	Only in item 18
11		BACK UP MIDWAY	Only in item 18
12		PISTON SEAL MIDWAY	Only in item 18
13		MW PISTON NUT SEAL	Only in item 18
14	2A0024	MW PISTON NUT	
15	2A0018	MW TIE ROD NUT	
16	803-234C	NUT HEX 3/8-16 PLAIN	
17	802-023C	HHCS 3/8-16X1 3/4 GR5	
18	810-060C	CYL SEAL KIT-810-031C-5A6104	
19	805-124C	PIN CLEVIS 1.0X3.69 USBL GR5	
20	805-058C	PIN COTTER 3/16 X 2	

Hydraulic Cylinder (810-741C) 3.25 X 2.5 X 1.25 ROD

Applies to Models: HT1100-10, HT1100-12, HT1100-15



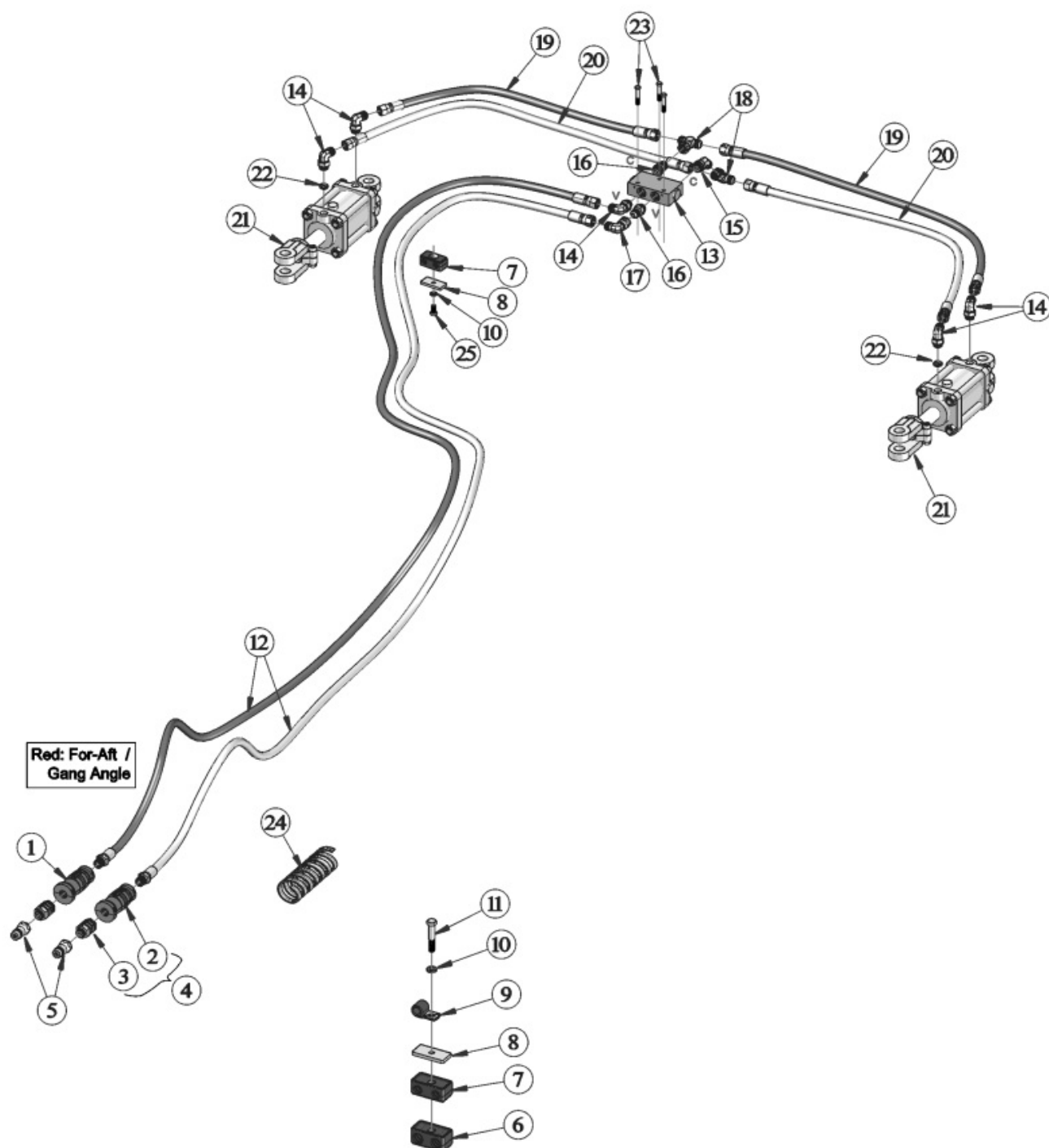
Hydraulic Cylinder (810-741C) 3.25 X 2.5 X 1.25 ROD

Applies to Models: HT1100-10, HT1100-12, HT1100-15

Ref.	Part No.	Part Description	Comments
	DWG 41918	Image No.	
1	1M7016-ADI	MIDWAY HARDENED CLEVIS ADI	
2	2M5408NC	MW ROD	
3	3R2440	HEAD	
4	4R2109	PISTON	
5	5R2108	MW TUBE ASSEMBLY	
6	6R2162-ADI	BASE	
7	7M5308	MW TIE ROD	
8		MW WIPER SEAL	Only in item 20
9		U-CUP	Only in item 20
10		O-RING MIDWAY	Only in item 20
11		BACK UP MIDWAY	Only in item 20
12		TEFLON SEAL	Only in item 20
13		LOADER	Only in item 20
14		WEAR RING	Only in item 20
15		O-RING	Only in item 20
16	2A0024	MW PISTON NUT 1-14	
17	2A0016	MW TIE ROD NUT	
18	803-234C	NUT HEX 3/8-16 PLAIN	
19	802-023C	HHCS 3/8-16X1 3/4 GR5	
20	810-173C	SEAL KIT MW 3.25 RPHCYL 4A2104	
21	805-396C	PIN CLEVIS 1 X 3 1/8 USABLE	
22	805-058C	PIN COTTER 3/16 X 2	

Hydraulic Gang Angle w/ Turnbuckle Hitch

Applies to Models: HT1100-10, HT1100-12, HT1100-15



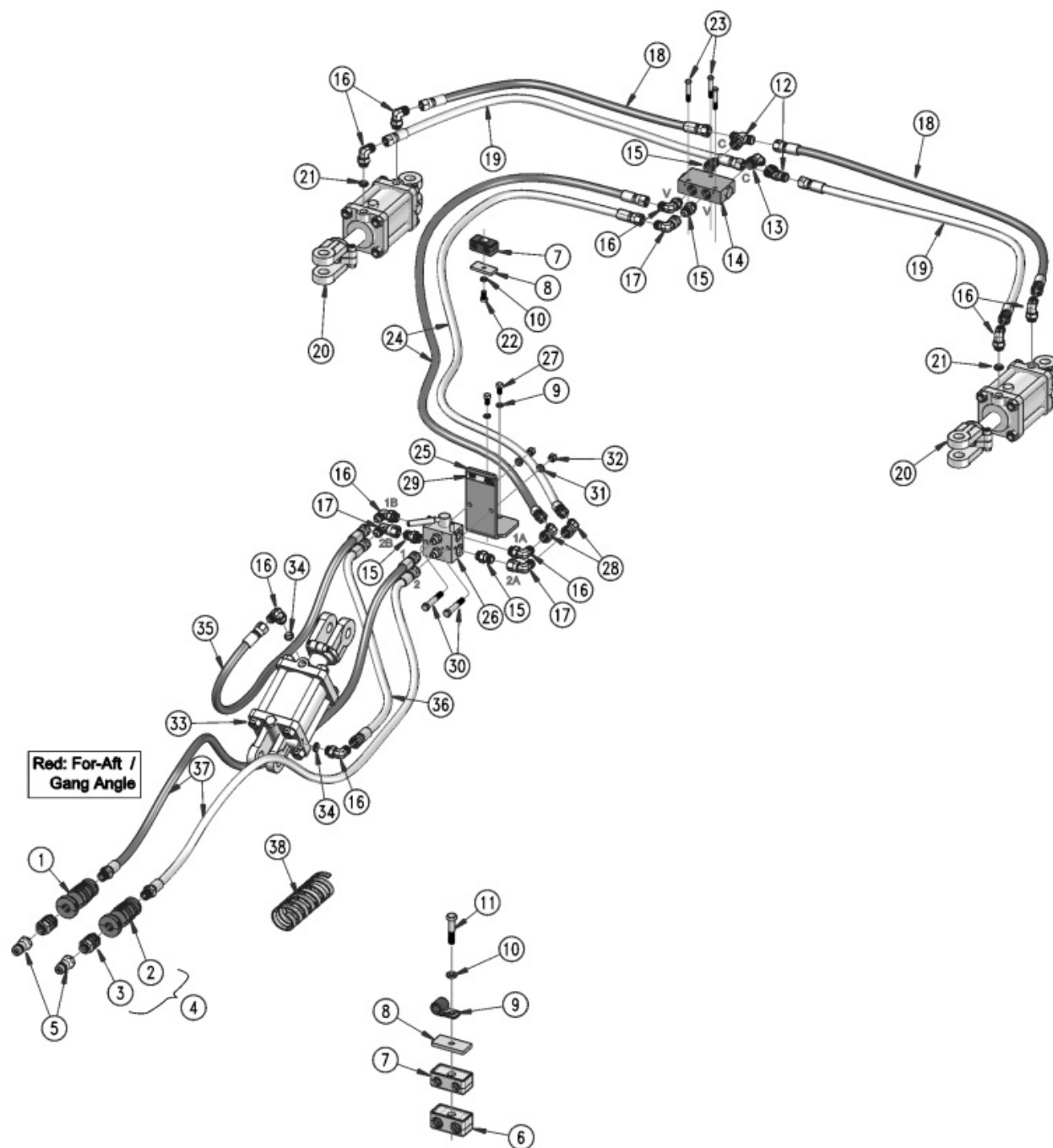
Hydraulic Gang Angle w/ Turnbuckle Hitch

Applies to Models: HT1100-10, HT1100-12, HT1100-15

Ref.	Part No.	Part Description	Comments
	dwgTP-77150	Image No.	
1	811-914C	HG HANDLE - RED EXT	
2	811-827C	HG HANDLE - RED RET	
3	811-919C	AD 3/4MORB 3/4FORB (HG)	
4	548-002S	HG PAIR - RED MORB-FORB	Includes items 1-3
5	811-394C	CP 3/4FORB MALE QD POPPET TYPE	
6	816-886C	HYDRAULIC HOSE HOLDER 1/2"	
7	816-885C	HYDRAULIC HOSE HOLDER 3/8"	
8	589-248D	HYD HOSE HOLDER TOP PLATE	
9	800-495C	HOSE CLIP 9/16 ID	
10	804-009C	WASHER LOCK SPRING 5/16 PLT	
11	802-115C	HHCS 5/16-18X2 GR5	
12	841-042C	HH3/8R2 249 3/4MORB 3/4FJIC	
13	810-599C	LOCK VALVE	
14	811-063C	EL 3/4MJIC 3/4MORB	
15	811-690C	EL 45 3/4MORB 3/4MJIC	
16	811-088C	AD 3/4MORB 3/4MJIC	
17	811-150C	EL 3/4FJIC 3/4MJIC	
18	811-079C	TE 3/4FJIC 3/4MJIC 3/4MJIC	
19	871-199C	HH3/8R2 058 3/4FJIC	
20	841-025C	HH3/8R2 067 3/4FJIC	
21	810-741C	CYL REP 3.25X2.5X1.25 ROD(TIE)	Seal Kit 810-173C
22	196-430D	ORIFICE PLATE 1/16 3/4	
23	802-370C	HHCS 1/4-20X1 3/4 GR5	
24	575-268D	HOSE WRAP, LARGE SIZE, SHORT	
25	802-007C	HHCS 5/16-18X3/4 GR5	

Hydraulic Gang/Fore & Aft System

Applies to Models: HT1100-10, HT1100-12, HT1100-15

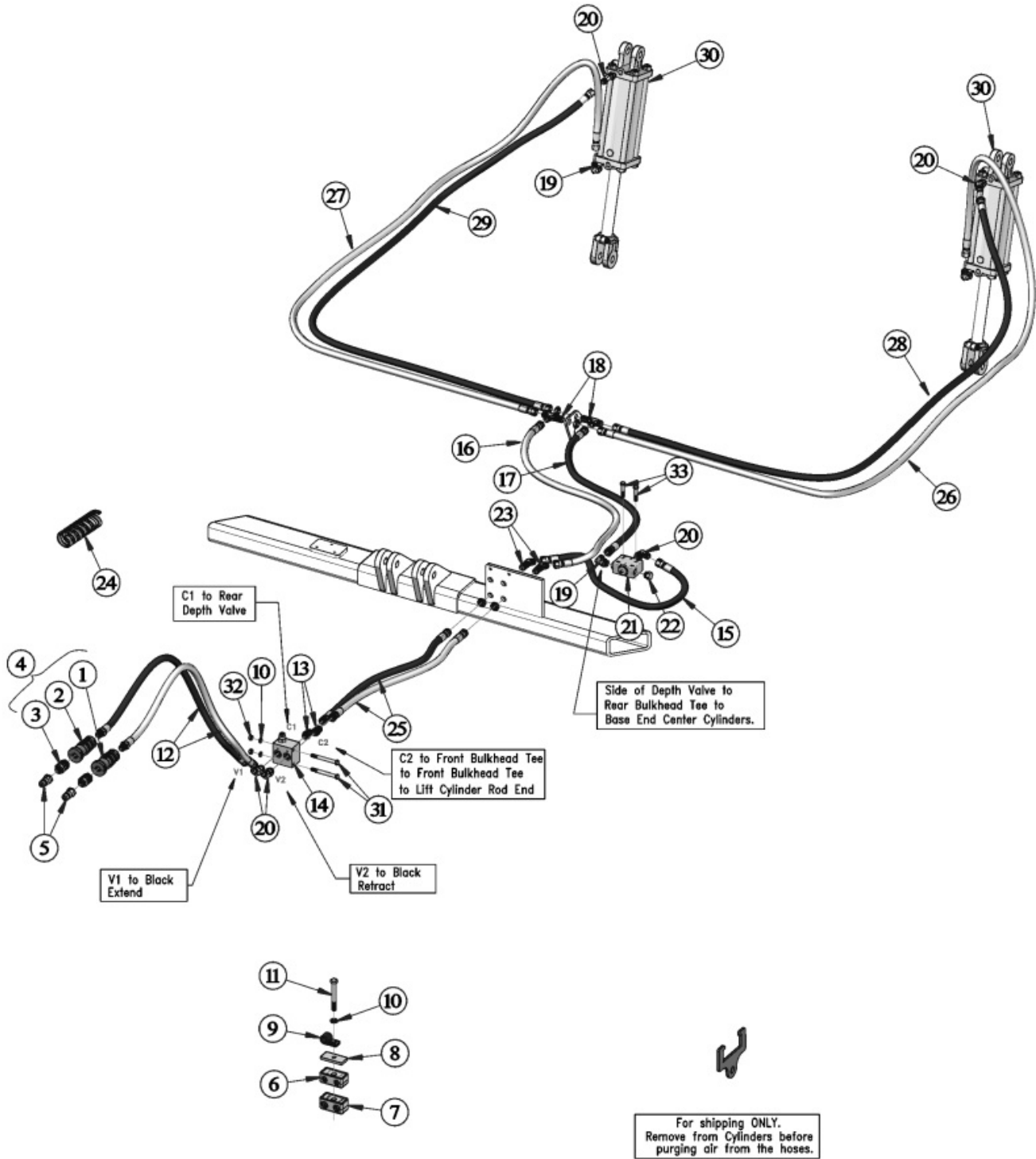


Hydraulic Gang/Fore & Aft System

Applies to Models: HT1100-10, HT1100-12, HT1100-15

Ref.	Part No.	Part Description	Comments
	dwgTP-77149	Image No.	
1	811-914C	HG HANDLE - RED EXT	
2	811-827C	HG HANDLE - RED RET	
3	811-919C	AD 3/4MORB 3/4FORB (HG)	
4	548-002S	HG PAIR - RED MORB-FORB	Includes items 1-3
5	811-394C	CP 3/4FORB MALE QD POPPET TYPE	
6	816-886C	HYDRAULIC HOSE HOLDER 1/2"	
7	816-885C	HYDRAULIC HOSE HOLDER 3/8"	
8	589-248D	HYD HOSE HOLDER TOP PLATE	
9	800-495C	HOSE CLIP 9/16 ID	
10	804-009C	WASHER LOCK SPRING 5/16 PLT	
11	802-013C	HHCS 5/16-18X1 3/4 GR5	
12	811-079C	TE 3/4FJIC 3/4MJIC 3/4MJIC	
13	811-690C	EL 45 3/4MORB 3/4MJIC	
14	810-599C	LOCK VALVE	
15	811-088C	AD 3/4MORB 3/4MJIC	
16	811-063C	EL 3/4MJIC 3/4MORB	
17	811-150C	EL 3/4FJIC 3/4MJIC	
18	871-199C	HH3/8R2 058 3/4FJIC	
19	841-025C	HH3/8R2 067 3/4FJIC	
20	810-741C	CYL REP 3.25X2.5X1.25 ROD(TIE)	Seal Kit 810-173C
21	196-430D	ORIFICE PLATE 1/16 3/4	
22	802-007C	HHCS 5/16-18X3/4 GR5	
23	802-152C	HHCS 1/4-20X2 GR5	
24	861-138C	HH3/8R2 066 3/4FJIC	
25	588-684D	SELECTOR VALVE MOUNT	
26	850-577C	SHOEMAKER DS 6-WAY VALVE	
27	802-007C	HHCS 5/16-18X3/4 GR5	
28	811-040C	EL 45 3/4MJIC 3/4FJIC	
29	844-495C	SELECTOR VALVE DECAL	
30	802-216C	HHCS 3/8-16X2 3/4 GR5	
31	804-013C	WASHER LOCK SPRING 3/8 PLT	
32	803-014C	NUT HEX 3/8-16 PLT	
33	810-626C	CYL 4X3X1.50 ROD (TIE ROD)	Seal Kit 810-060C
34	556-313D	ORIFICE PLATE .025 3/4MORB	
35	861-697C	HH3/8R2 079 3/4FJIC	
36	811-947C	HH3/8R2 065 3/4FJIC	
37	871-451C	HH3/8R2 179 3/4MORB 9/16FJIC	
38	575-268D	HOSE WRAP, LARGE SIZE, SHORT	

Applies to Models: HT1100-10, HT1100-12, HT1100-15



Hydraulic Lift System

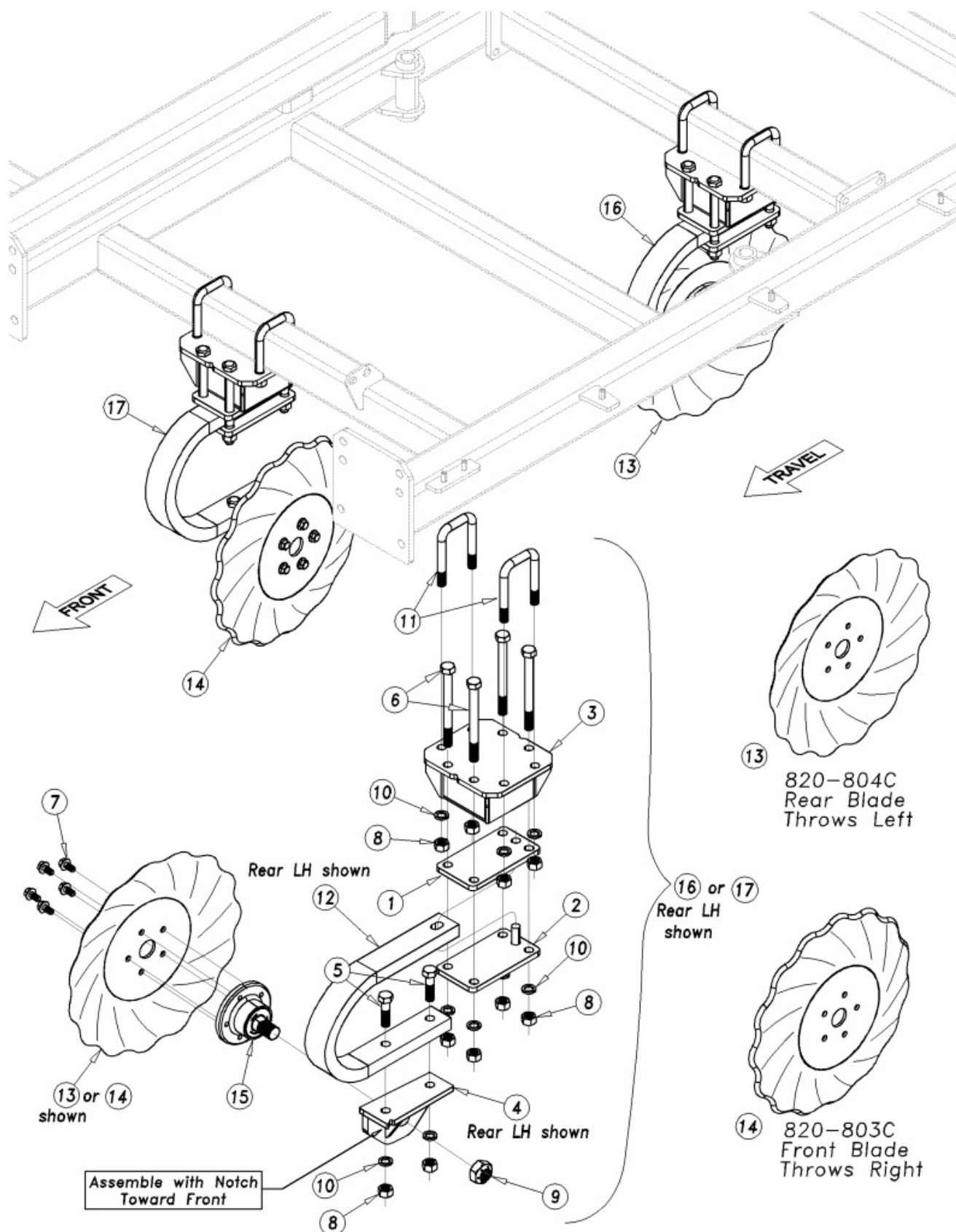
Applies to Models: HT1100-10, HT1100-12, HT1100-15

Ref.	Part No.	Part Description	Comments
	dwgTP-77148	Image No.	
1	811-913C	HG HANDLE - BLACK RET	
2	811-826C	HG HANDLE - BLACK EXT	
3	811-919C	AD 3/4MORB 3/4FORB (HG)	
4	548-001S	HG PAIR - BLACK MORB-FORB	Includes items 1-3
5	811-394C	CP 3/4FORB MALE QD POPPET TYPE	
6	816-885C	HYDRAULIC HOSE HOLDER 3/8"	
7	816-886C	HYDRAULIC HOSE HOLDER 1/2"	
8	589-248D	HYD HOSE HOLDER TOP PLATE	
9	800-495C	HOSE CLIP 9/16 ID	
10	804-009C	WASHER LOCK SPRING 5/16 PLT	
11	802-131C	HHCS 5/16-18X3 GR5	
12	841-480C	HH1/2R2 084 3/4FJIC 3/4MORB	
13	811-088C	AD 3/4MORB 3/4MJIC	
14	810-116C	COUNTERBALANCE VALVE MAN. T.T.	
15	811-269C	HH1/2R2 036 3/4FJIC	
16	851-630C	HH1/2R2 064 3/4FJIC	
17	811-268C	HH1/2R2 048 3/4FJIC	
18	841-521C	TE 3/4MJIC RUN BLKHD W/ LN	
19	811-063C	EL 3/4MJIC 3/4MORB	Used Rod End of cylinders
20	811-690C	EL 45 3/4MORB 3/4MJIC	Used Base End of cylinders
21	850-435C	HYD VALVE DEPTH CONTROL PRINCE	
22	811-203C	PL 3/4MORB HOLLOW HEX	
23	851-481C	EL 3/4MJIC BLKHD 45 W/ LN	
24	575-268D	HOSE WRAP, LARGE SIZE, SHORT	
25	811-780C	HH1/2R2 094 3/4FJIC	
26	861-150C	HH1/2R2 088 3/4FJIC	Model HT1100-10
26	851-632C	HH1/2R2 117 3/4FJIC	Models HT1100-12 & 15
27	851-389C	HH1/2R2 106 3/4FJIC	Model HT1100-10
27	841-556C	HH1/2R2 144 3/4FJIC	Models HT1100-12 & 15
28	851-630C	HH1/2R2 064 3/4FJIC	Model HT1100-10
28	861-134C	HH1/2R2 098 3/4FJIC	Models HT1100-12 & 15
29	811-830C	HH1/2R2 084 3/4FJIC	Model HT1100-10
29	871-420C	HH1/2R2 123 3/4FJIC	Models HT1100-12 & 15
30	810-502C	CYL REP 3.75X10X1.38 ROD (TIE)	
31	802-279C	HHCS 5/16-18X4 GR5	
32	803-008C	NUT HEX 5/16-18 PLT	
33	802-115C	HHCS 5/16-18X2 GR5	

Great Plains Center Breaker Assembly

Section 5: Gangs

Applies to Models: HT1100-10, HT1100-12, HT1100-15



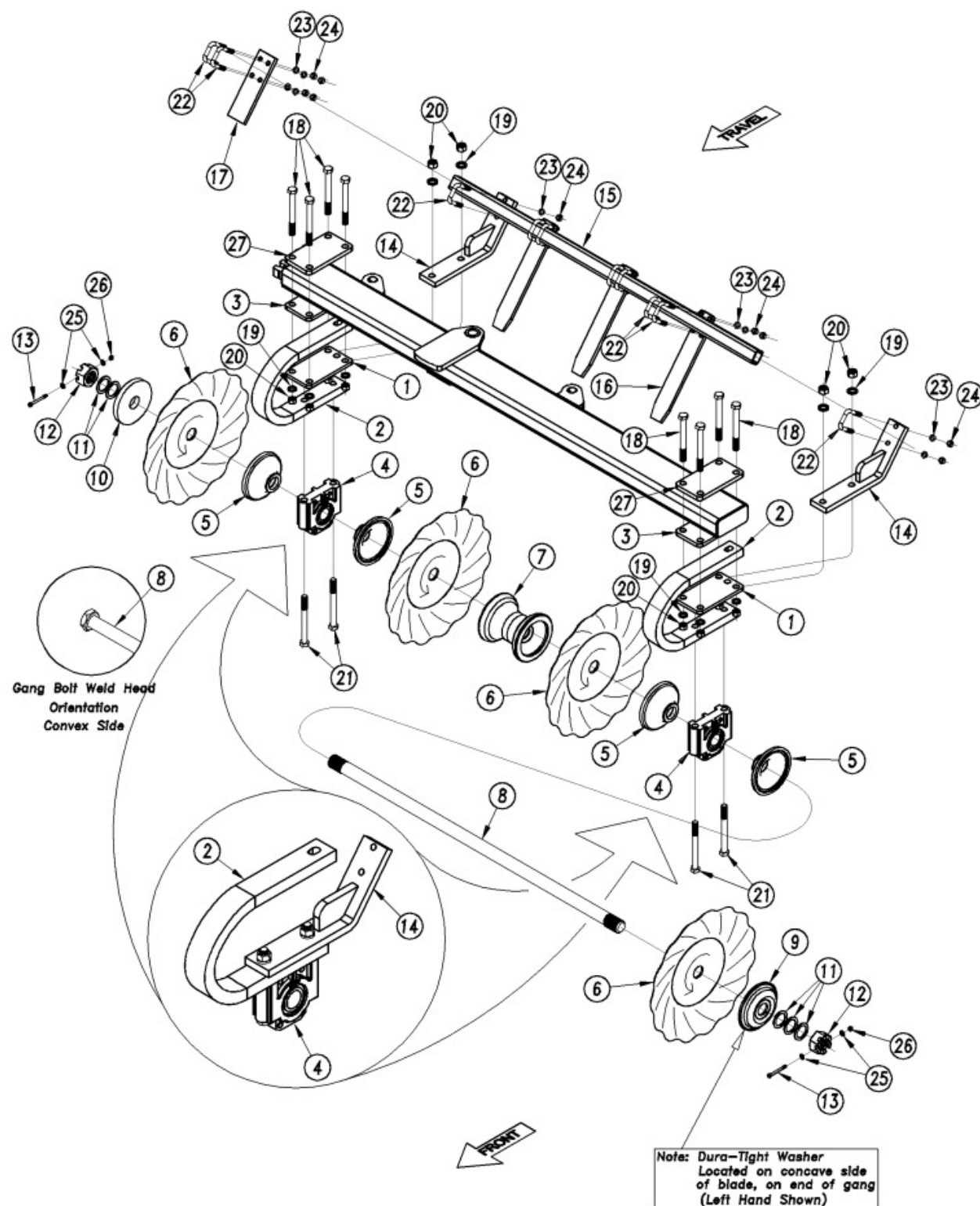
Center Breaker Assembly

Applies to Models: HT1100-10, HT1100-12, HT1100-15

Ref.	Part No.	Part Description	Comments
	TP-69599	Image No.	
1	556-505D	PLATE - TORCHED	
2	586-767H	C-SHANK HANGER PLATE	
3	586-813H	HT1100 BREAKER MOUNT	
4	586-814H	LH HUB BRACKET 4 DEGREE	Shown. Rear Breaker 587-185K
4	586-815H	RH HUB BRACKET 4 DEGREE	Front Breaker 587-186K
5	802-086C	HHCS 3/4-10X2 3/4 GR5	
6	802-469C	HHCS 3/4-10X8 GR5 PLT	
7	802-664C	HFS 1/2-13 X 1 GR8 PLT	
8	803-027C	NUT HEX 3/4-10 PLT	
9	803-314C	NUT HEX TOP LOCK 1 1/4-7 PLT	
10	804-023C	WASHER LOCK SPRING 3/4 PLT	
11	806-200C	U-BOLT, 3/4-10X3 1/32X5 3/8	
12	807-264C	C-SHANK HANGER 1.25X2.50 LH	Shown. Rear Breaker 587-185K
12	807-263C	C-SHANK HANGER 1.25X2.50 RH	Front Breaker 587-186K
13	820-804C	BLADE TURBO SPEED 20X.25LHW/HL	Shown. Rear Breaker 587-185K
14	820-803C	BLADE TURBO SPEED 20X.25RHW/HL	Front Breaker 587-186K
15	822-371C	COULTER HUB & BEARING ASSEMBLY	
16	587-185K	HT1100 CENTER BREAKER ASM LH	Shown. Includes items 1-14 (Rear Assembly)
17	587-186K	HT1100 CENTER BREAKER ASM RH	(Front Assembly)

Turbo Speed Blade Gang Assembly

Applies to Models: HT1100-10, HT1100-12, HT1100-15

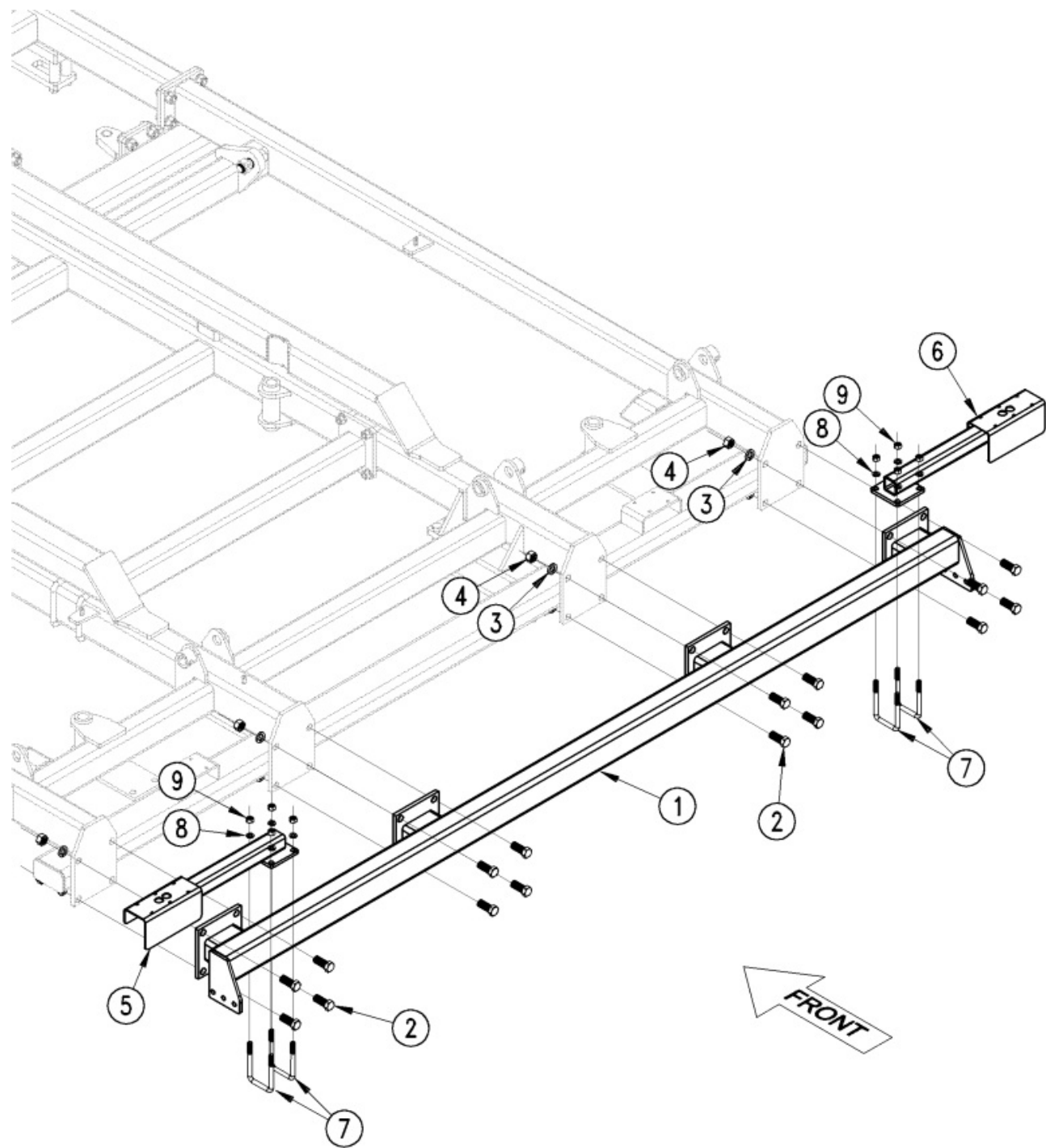


Turbo Speed Blade Gang Assembly

Applies to Models: HT1100-10, HT1100-12, HT1100-15

Ref.	Part No.	Part Description	Comments
	DWGT-69606	Image No.	
1	556-505D	PLATE - TORCHED	
2	807-263C	C-SHANK HANGER 1.25X2.50 RH	
2	807-264C	C-SHANK HANGER 1.25X2.50 LH	
3	586-767H	C-SHANK HANGER PLATE	
4	822-369C	PEER FD DISK BEARING	
5	566-004D	HALF SPOOL TURBO COULTER	
6	820-791C	BLADE TURBO SPEED 18X.25 RH	Used on outside front gangs
6	820-792C	BLADE TURBO SPEED 18X.25 LH	Used on outside front gangs
6	820-801C	BLADE TURBO SPEED 20X.25 RH	
6	820-802C	BLADE TURBO SPEED 20X.25 LH	
7	566-003D	FULL SPOOL 7 1/2 TURBO COULTER	
8	588-186H	GANG BOLT WELD - 1.75 X 56.25	Model 10
8	588-188H	GANG BOLT WELD - 1.75 X 71.25	Model 12 Front
8	586-663D	GANG BOLT - 1.75 X 73.25	Model 12 Rear. Nut on each end
8	588-190H	GANG BOLT WELD - 1.75 X 86.25	Model 15
9	804-200C	WASHER DURA-TIGHT 1.81ID X 7.0	
10	586-056D	WASHER FLAT 3/4X6 1/2X3/4 THK	
11	804-205C	WASHER MACH 2 1/2X1 3/4X10GA	
12	803-339C	NUT HEX SLOTTED 1 3/4-5 REGULR	
13	802-390C	HHCS 5/16-18X3 1/4 GR5	
14	586-966H	SCRAPER BAR BRACKET	
15	567-008D	SCRAPER BAR - 50	Model 10
15	567-009D	SCRAPER BAR - 57 1/2	Models 10 & 12
15	586-191D	SCRAPER BAR 65" TT	Model 12
15	567-013D	SCRAPER BAR 80	Model 15
16	588-372D	SCRAPER - 16	
17	586-093D	SCRAPER 9 1/2" TURBO TILL	
18	802-095C	HHCS 3/4-10X7 GR5	
19	804-023C	WASHER LOCK SPRING 3/4 PLT	
20	803-027C	NUT HEX 3/4-10 PLT	
21	802-280C	HHCS 3/4-10X7 1/2 GR5	
22	806-005C	U-BOLT 1/2-13 X 2 X 3 GR5	
23	803-020C	NUT HEX 1/2-13 PLT	
24	804-015C	WASHER LOCK SPRING 1/2 PLT	
25	804-075C	WASHER FLAT 1/4 USS PLT	
26	803-084C	NUT HEX NYLOCK 5/16-18 PLT	
27	588-470D	TOP PLATE	

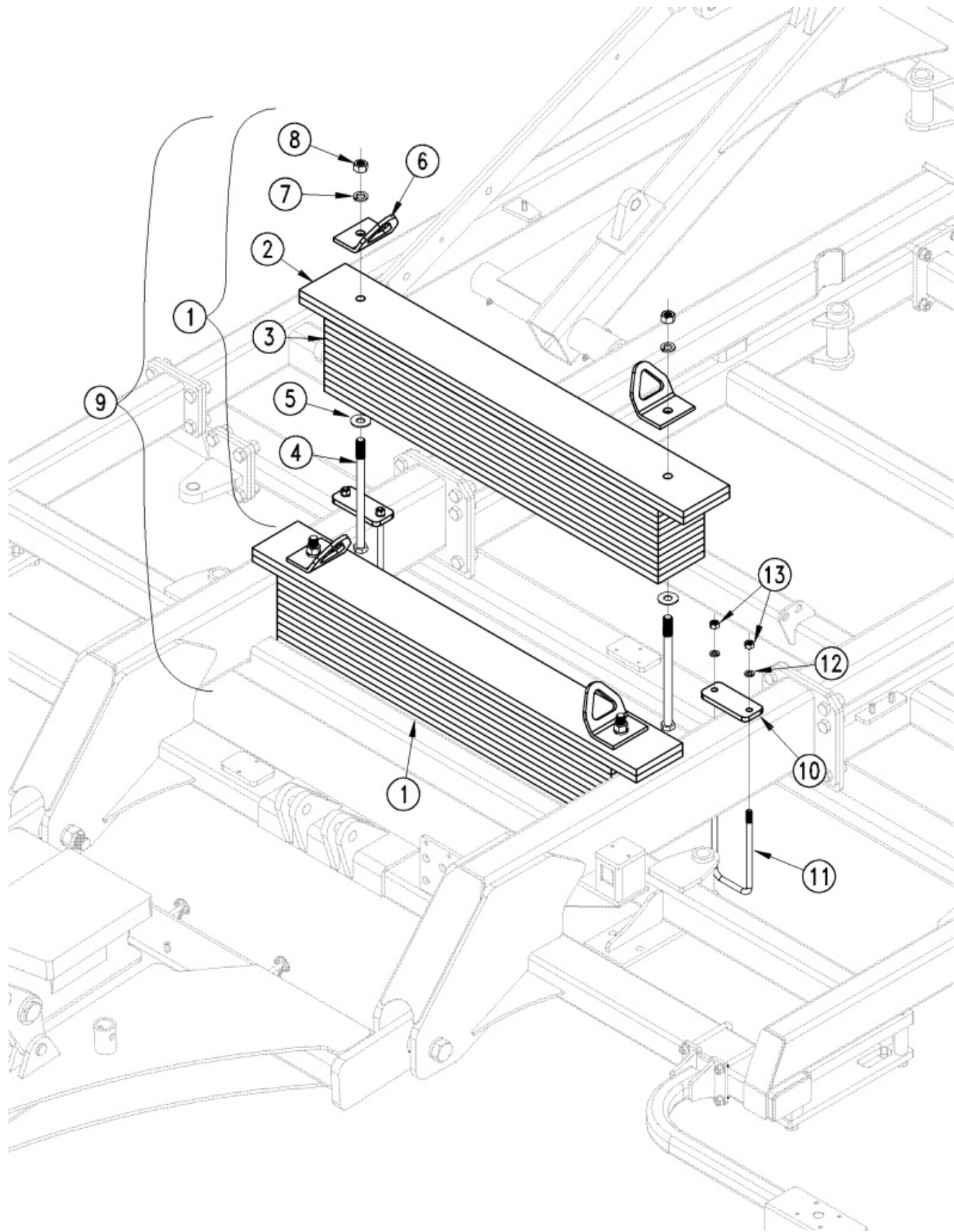
Applies to Models: HT1100-10, HT1100-12, HT1100-15



Applies to Models: HT1100-10, HT1100-12, HT1100-15

Ref.	Part No.	Part Description	Comments
	dwgTP-77151	Image No.	
1	589-416H	ATTACHMENT BAR 24/3000 TM CTR	Models 10 & 12 Shown
1	599-118H	HT1100-15 ATTACHMENT BAR	Model 15
2	802-064C	HHCS 3/4-10X2 GR5	
3	804-023C	WASHER LOCK SPRING 3/4 PLT	
4	803-027C	NUT HEX 3/4-10 PLT	
5	586-421H	LIGHT BRACKET LH	
6	586-422H	LIGHT BRACKET RH	
7	806-189C	U-BOLT 1/2-13X3 1/32X5	
8	804-015C	WASHER LOCK SPRING 1/2 PLT	
9	803-020C	NUT HEX 1/2-13 PLT	

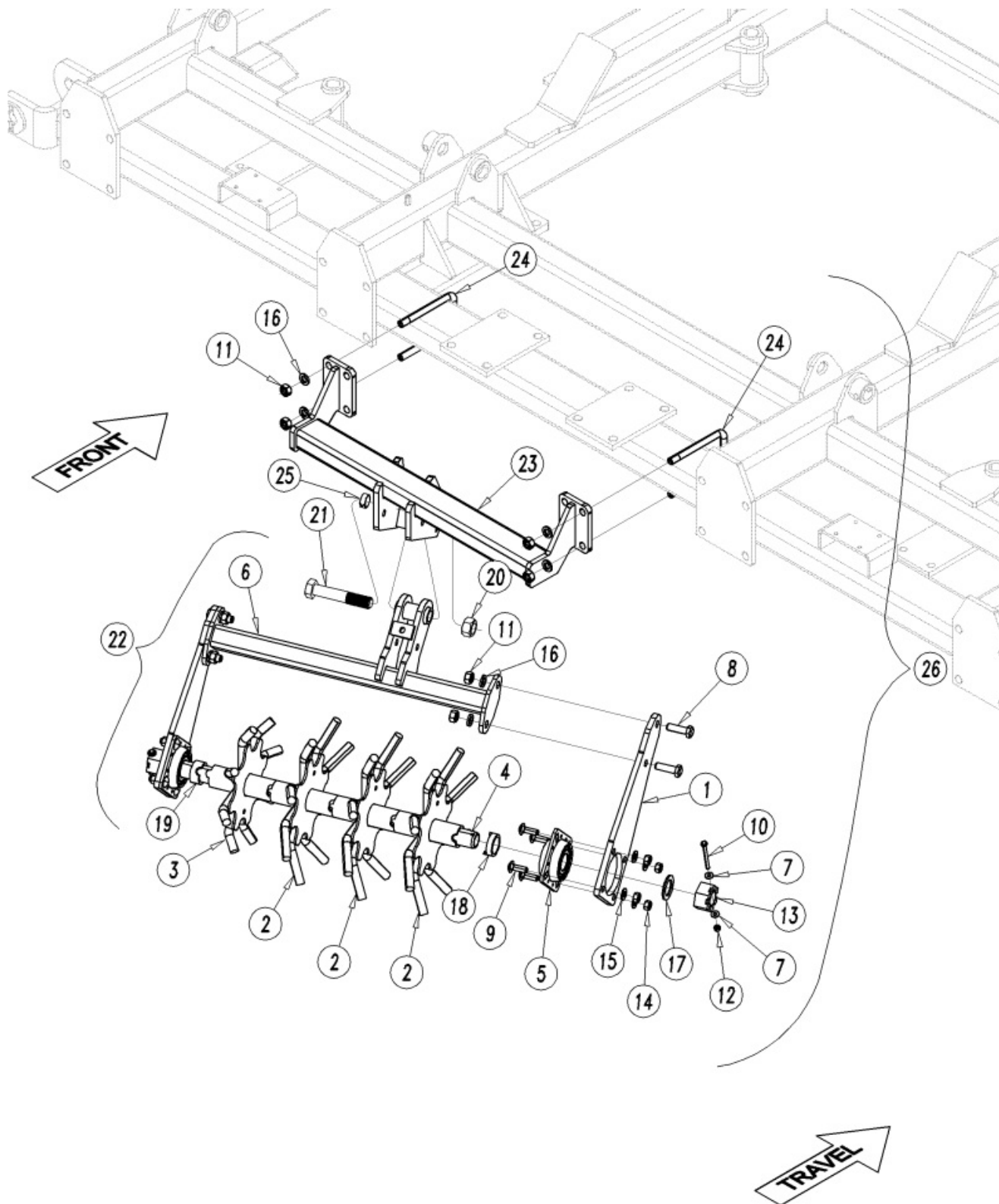
Applies to Models: HT1100-10, HT1100-12, HT1100-15



Applies to Models: HT1100-10, HT1100-12, HT1100-15

Ref.	Part No.	Part Description	Comments
	dwgTP-77145	Image No.	
1	586-088S	750 LB WEIGHT ASSEMBLY	Includes items 2 thru 8
2	586-156D	PART - 750 LB WEIGHT ASSEMBLY	
3	586-157D	PART - 750 LB WEIGHT ASSEMBLY	
4	802-761C	HHCS 3/4-10X12 GR5 PLT	
5	804-025C	WASHER FLAT 3/4 SAE PLT	
6	586-181D	PART - WEIGHT BOX	
7	804-023C	WASHER LOCK SPRING 3/4 PLT	
8	803-027C	NUT HEX 3/4-10 PLT	
9	589-047A	1500 LB TT CENTER FRME WGT KIT	1 maximum, 2 weights.
10	588-362D	WEIGHT STOP	
11	806-303C	U-BOLT 1/2-13 X 4 1/32 X 9 1/4	
12	804-015C	WASHER LOCK SPRING 1/2 PLT	
13	803-020C	NUT HEX 1/2-13 PLT	

Applies to Models: HT1100-10, HT1100-12



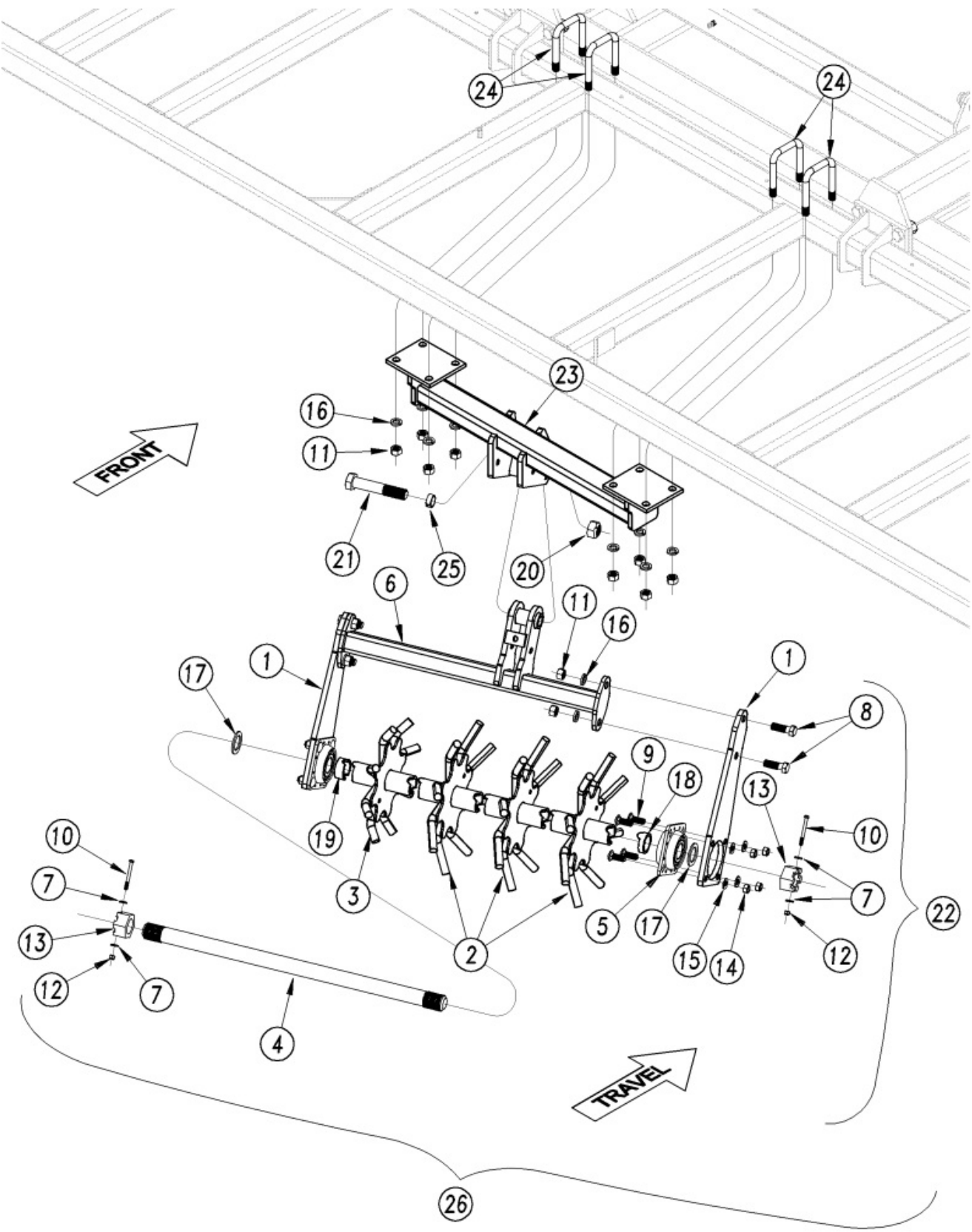
Center Rolling Harrow Assy HT1100-10 & 12

Applies to Models: HT1100-10, HT1100-12

Ref.	Part No.	Part Description	Comments
	dwgTP-69800	Image No.	
1	589-418D	PLATE - TORCHED	
2	589-258H	SPIKE WHEEL LARGE	
3	589-251H	SPIKE WHEEL SMALL	
4	589-465D	GANG BOLT CENTER ROLLER GANG	
5	822-293C	BEARING FLG 1 1/2ID 5 IN SQ	
6	589-938H	HT1100 CENTER SPIDER FRAME	
7	804-075C	WASHER FLAT 1/4 USS PLT	
8	802-055C	HHCS 5/8-11X2 GR5 FTHD	
9	802-106C	RHSNB 1/2-13X1 1/2 GR5	
10	802-804C	HHCS 1/4-20X2 3/4 GR8 PLT	
11	803-021C	NUT HEX 5/8-11 PLT	
12	803-255C	NUT HEX NYLOCK 1/4-20	
13	803-301C	NUT HEX SLOTTED 1 1/2-6 PLT	
14	803-342C	NUT HEX TOP LOCK 1/2-13 PLT	
15	804-016C	WASHER FLAT 1/2 SAE PLT	
16	804-022C	WASHER LOCK SPRING 5/8 PLT	
17	804-063C	WASHER MACH 2.25 X 1.50 X 10GA	
18	890-860C	SPIDER WHEEL FRONT SPACER	
19	890-861C	SPIDER WHEEL REAR SPACER	
20	803-168C	NUT HEX TOP LOCK 1-8 PLT	
21	802-205C	HHCS 1-8X5 1/2 GR5	
22	589-941K	HT1100 CENTER ROLLING HARROW	Includes items 1-21
23	589-812H	HT1100 CENTER SPIDER BRACKET	
24	806-178C	U-BOLT 5/8-11 X 3 1/32 X 6 1/2	
25	890-836C	BUSHING 1 1/4X1X1/2 HRD	
26	589-815K	HT1100 CENTER SPIDER ASSEMBLY	Models 10 & 12. Includes items 1-25

Great Plains
Center Rolling Harrow Assy HT1100-15

Applies to Models: HT1100-15



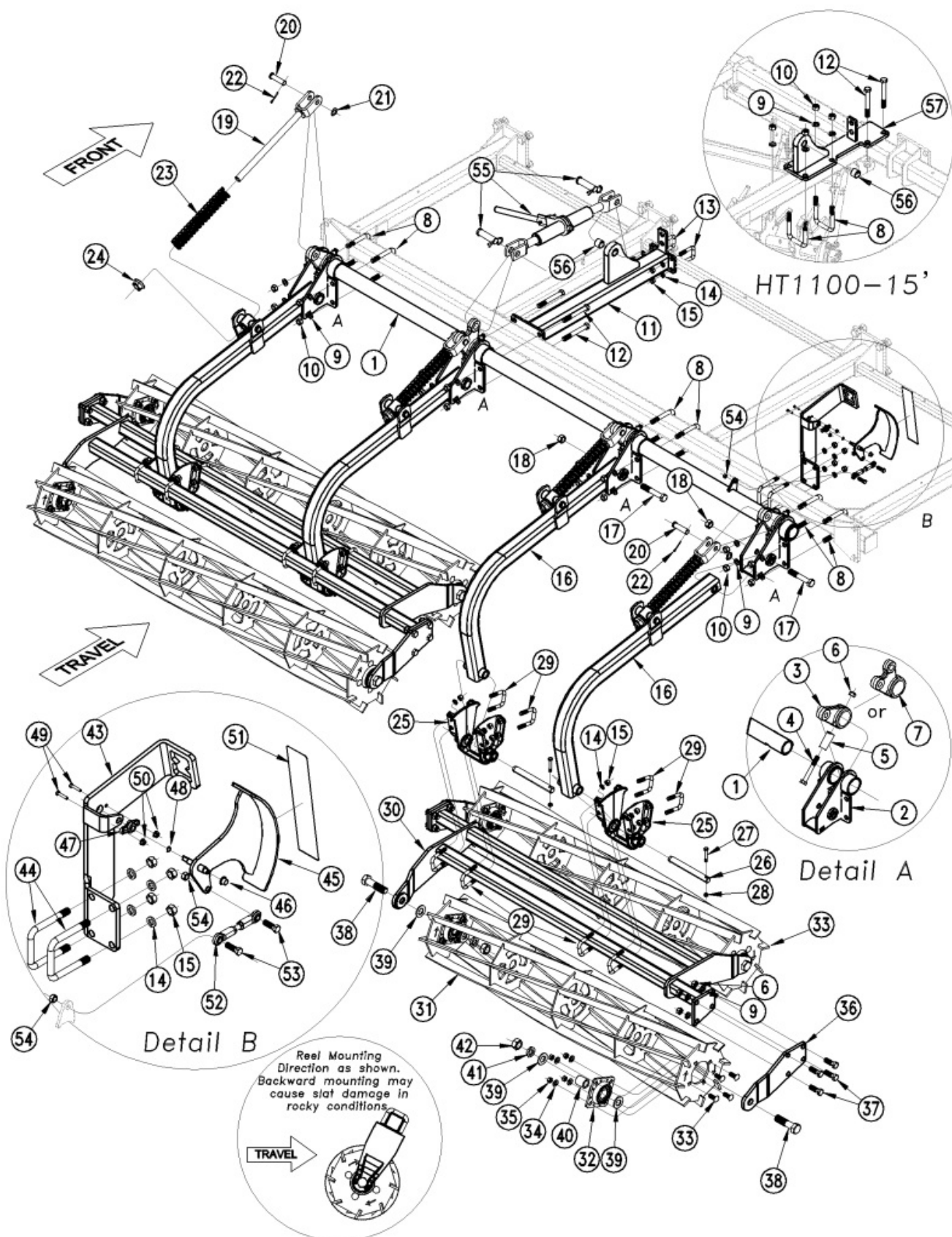
Center Rolling Harrow Assy HT1100-15

Applies to Models: HT1100-15

Ref.	Part No.	Part Description	Comments
	dwgTP-77166	Image No.	
1	589-418D	PLATE - TORCHED	
2	589-258H	SPIKE WHEEL LARGE	
3	589-251H	SPIKE WHEEL SMALL	
4	589-465D	GANG BOLT CENTER ROLLER GANG	
5	822-293C	BEARING FLG 1 1/2ID 5 IN SQ	
6	589-938H	HT1100 CENTER SPIDER FRAME	
7	804-075C	WASHER FLAT 1/4 USS PLT	
8	802-055C	HHCS 5/8-11X2 GR5 FTHD	
9	802-106C	RHSNB 1/2-13X1 1/2 GR5	
10	802-804C	HHCS 1/4-20X2 3/4 GR8 PLT	
11	803-021C	NUT HEX 5/8-11 PLT	
12	803-255C	NUT HEX NYLOCK 1/4-20	
13	803-301C	NUT HEX SLOTTED 1 1/2-6 PLT	
14	803-342C	NUT HEX TOP LOCK 1/2-13 PLT	
15	804-016C	WASHER FLAT 1/2 SAE PLT	
16	804-022C	WASHER LOCK SPRING 5/8 PLT	
17	804-063C	WASHER MACH 2.25 X 1.50 X 10GA	
18	890-860C	SPIDER WHEEL FRONT SPACER	
19	890-861C	SPIDER WHEEL REAR SPACER	
20	803-168C	NUT HEX TOP LOCK 1-8 PLT	
21	802-205C	HHCS 1-8X5 1/2 GR5	
22	589-941K	HT1100 CENTER ROLLING HARROW	Includes items 1-21
23	588-393H	HT1100 CNTR SPIDER HANGER	
24	806-110C	U-BOLT 5/8-11 X 3 1/32 X 4 1/2	
25	890-836C	BUSHING 1 1/4X1X1/2 HRD	
26	588-394K	HT1110-15 CNTR SPIDER	Includes items 1-25

Double Reel Attachment Spring Assy

Applies to Models: HT1100-10, HT1100-12, HT1100-15



Double Reel Attachment Spring Assy

Applies to Models: HT1100-10, HT1100-12, HT1100-15

Ref.	Part No.	Part Description	Comments
	dwgTP-77156	Image No.	
1	599-130H	HYD REEL TUBE W/GA MNT	Models 10 & 12 Shown
1	599-131H	HYD REEL TUBE W/GA MNT	Model 15
2	599-129H	PIVOT BRACKET DBL REEL	
3	589-304D	CAST ROCKER ARM	
4	802-100C	HHCS 5/8-11X4 1/2 GR5	
5	589-303D	TUBE RND - 1 1/4 OD	
6	803-271C	NUT HEX TOP LOCK 5/8-11 PLT	
7	589-305D	CAST LEVER MACHINED	
8	806-183C	U-BOLT 5/8-11X3 1/32X4 1/2 SPT	
9	804-022C	WASHER LOCK SPRING 5/8 PLT	
10	803-021C	NUT HEX 5/8-11 PLT	
11	589-576H	HYD REEL CYL BRACKET	
12	802-062C	HHCS 5/8-11X5 GR5	
13	806-103C	U-BOLT 1/2-13 1 17/32 X 2 3/4	
14	804-015C	WASHER LOCK SPRING 1/2 PLT	
15	803-020C	NUT HEX 1/2-13 PLT	
16	599-128H	DBL REEL ARM - SPRING PRESS	
17	802-192C	HHCS 3/4-10X4 1/2 GR5	
18	803-367C	NUT HEX TOP LOCK 3/4-10 PLT	
19	599-132H	DBL REEL SPRING BOLT	
20	805-316C	PIN, 3/4 X 2 33/64 USABLE	
21	804-099C	WASHER 1 1/4 X 3/4 X 18 GA PLT	
22	805-089C	PIN COTTER 5/32 X 1 1/2 LONG	
23	807-369C	SPRING COMP 1.88ODX12.56LX.38W	
24	803-258C	NUT HEX FLG LOCK 1-8 GR B PLT	
25	812-643C	DOUBLE REEL PIVOT BRACKET CAST	
26	805-451C	PIN 1.0X7.52 USBL HRD PLT	
27	802-623C	HHCS 3/8-16X2 1/4 GR8 SPTH	
28	803-123C	NUT HEX TOP LOCK 3/8-16 PLT	
29	806-005C	U-BOLT 1/2-13 X 2 X 3 GR 5	
30	589-779H	DOUBLE REEL FRAME - 6'	Models 10, 15 center reel
30	589-780H	DOUBLE REEL FRAME - 7'	Model 12
30	589-778H	DOUBLE REEL FRAME - 5'	Model 15 outside reels
31	575-990H	6' HD REEL	Models 10, 15 center reel
32	575-987H	7' HD REEL	Model 12
33	575-989H	5' HD REEL	Model 15 outside reels
33	822-293C	BEARING FLG 1 1/2ID 5 IN SQ	
33	802-106C	RHSNB 1/2-13X1 1/2 GR5	
34	804-016C	WASHER FLAT 1/2 SAE PLT	
35	803-342C	NUT HEX TOP LOCK 1/2-13 PLT	
36	589-791H	DOUBLE REEL BOLT ON ARM	
37	802-055C	HHCS 5/8-11X2 GR5 FTHD	
38	802-073C	HHCS 1-8X4 GR5	
39	804-029C	WASHER FLAT 1 SAE	
40	540-180D	TUBE RND - 1 1/2 OD	
41	804-027C	WASHER LOCK SPRING 1 PLT	
42	803-031C	NUT HEX 1-8 PLT	
43	588-034H	GAUGE BRACKET	
44	806-066C	U-BOLT 1/2-13 X 3 1/32 X 4	

Double Reel Attachment Spring Assy

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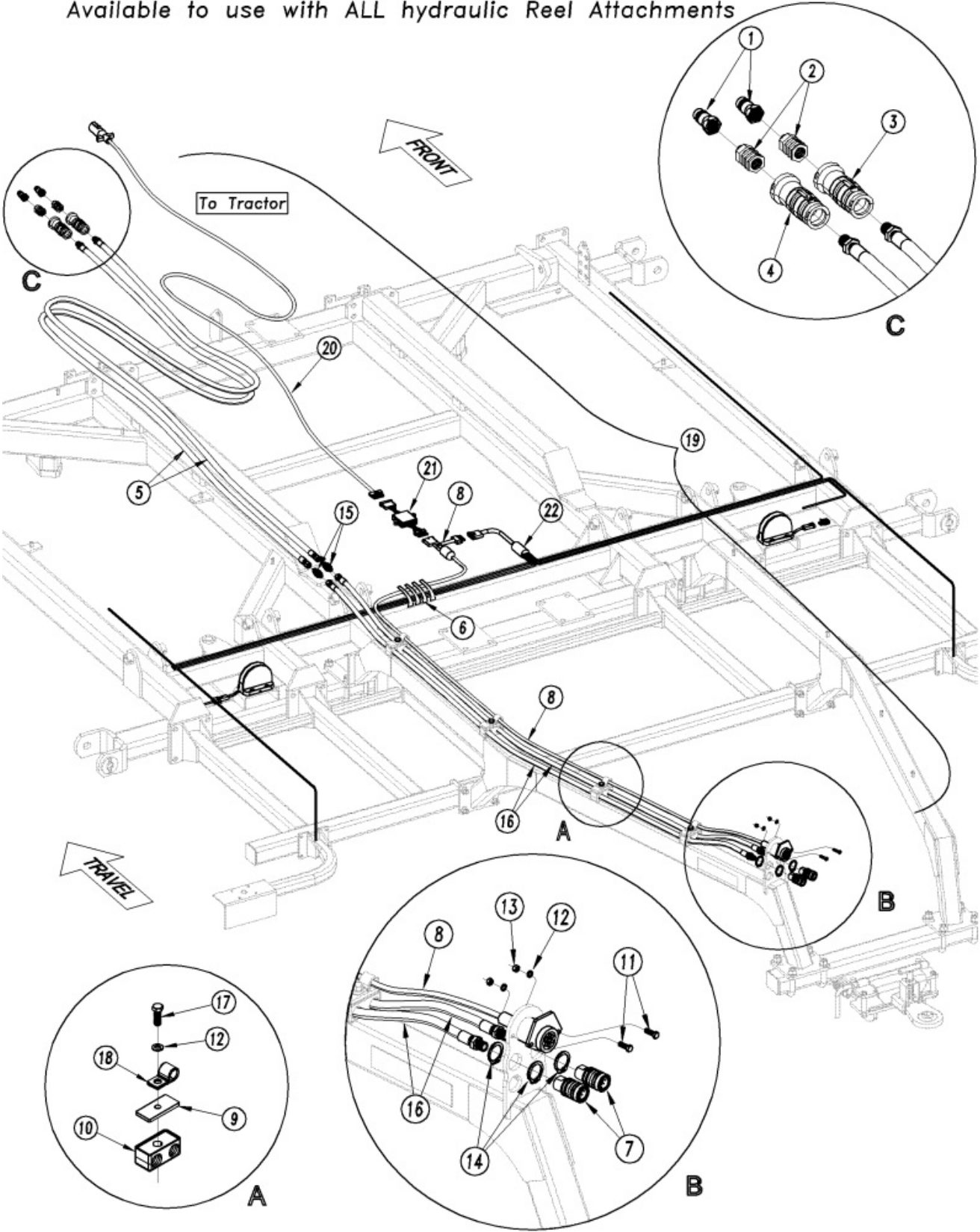
Double Reel Attachment Spring Assy

Ref.	Part No.	Part Description	Comments
45	589-770H	HYD REEL GAUGE	
46	837-049C	FLANGE BEARING - 3/8	
47	837-048C	FLANGE BEARING - 3/8	
48	800-459C	SNAP RING 3/8	
49	842-265C	HHCS #10-24X1 GR5	
50	803-517C	NUT HEX FLANGE #10-24 NYL	
51	858-902C	DECAL - HYD REEL GAUGE	
52	589-727S	ADJUSTABLE LINK 4.25"	
53	802-079C	HHCS 3/8-16X1 1/4 GR5	
54	803-123C	NUT HEX TOP LOCK 3/8-16 PLT	
55	892-174C	6" RATCHET JACK - 18.25CL	
56	890-005C	BUSHING CYL 1 1/4 X 1 X 1	
57	589-610H	CYL MOUNT PLATE	

Great Plains
Rear Hitch Accessory Kit

Applies to Models: HT1100-10, HT1100-12, HT1100-15

Available to use with ALL hydraulic Reel Attachments



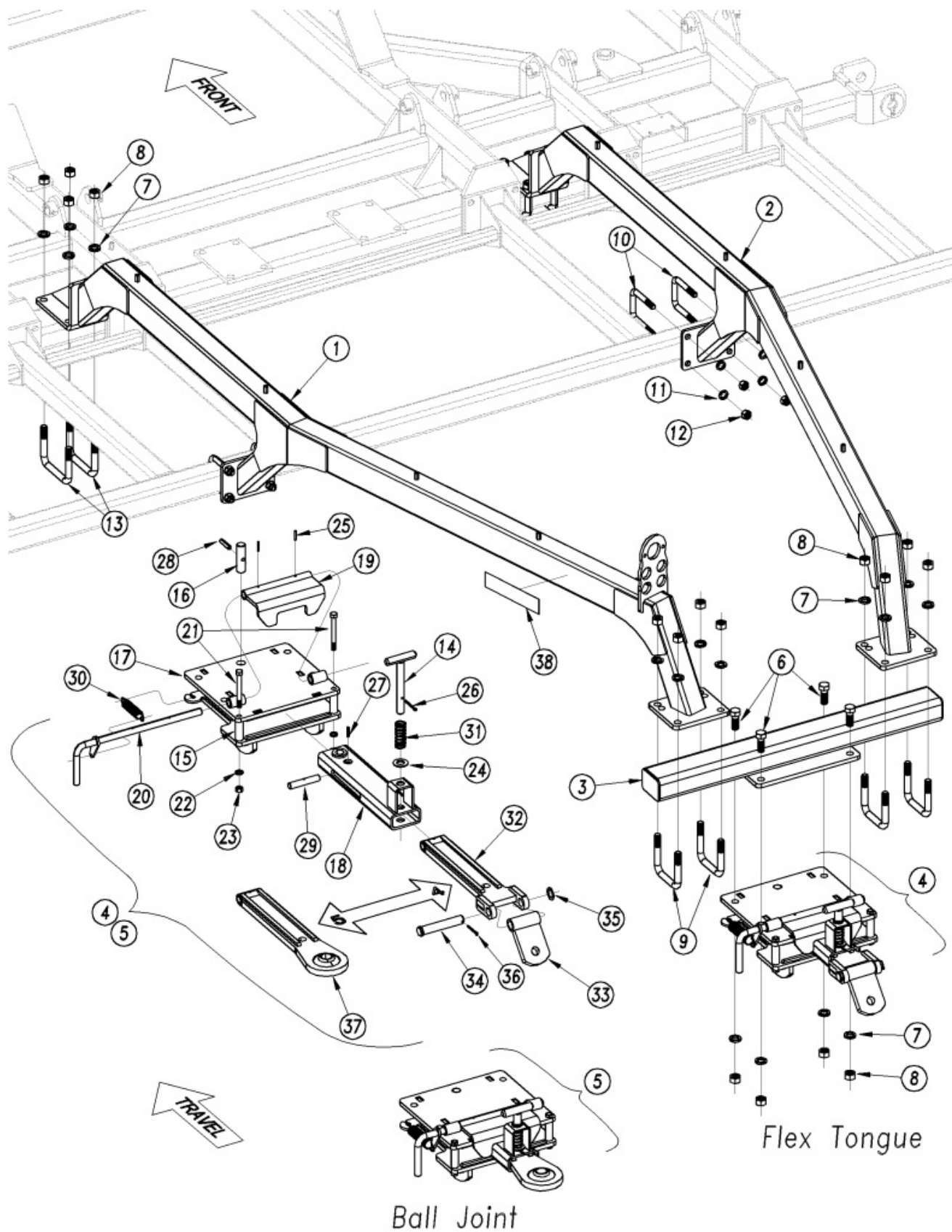
Rear Hitch Accessory Kit

Applies to Models: HT1100-10, HT1100-12, HT1100-15

Ref.	Part No.	Part Description	Comments
	dwgTP-69783	Image No.	
1	811-394C	CP 3/4FORB MALE QD POPPET TYPE	
2	811-919C	AD 3/4MORB 3/4FORB (HG)	
3	841-542C	HG HANDLE - BLUE EXT	
4	841-543C	HG HANDLE - BLUE RET	
5	811-735C	HH3/8R2 185 3/4MORB 3/4FJIC	Hitch
6	550-123D	HOSE WRAP,SMALL SIZE,SHORT(8")	
7	811-870C	CP 3/4FORB QD FEMALE (POPPET)	
8	833-719C	DUAL MACHINE HARNESS - LED	
9	589-248D	HYD HOSE HOLDER TOP PLATE	
10	816-885C	HYDRAULIC HOSE HOLDER 3/8"	
11	802-010C	HHCS 5/16-18X1 1/4 GR5	
12	804-009C	WASHER LOCK SPRING 5/16 PLT	
13	803-008C	NUT HEX 5/16-18 PLT	
14	800-044C	SNAP RING EXT 1 1/2 SHAFT	
15	841-988C	AD 3/4MJIC BLKHD WITH LN	These bulkhead fittings will be used on the front of the center frame
16	841-042C	HH3/8R2 249 3/4MORB 3/4FJIC	
17	802-159C	HHCS 5/16-18X1 GR5	
18	800-495C	HOSE CLIP 9/16 ID	
19	589-717A	REAR HITCH TMAX WIDE ACC KIT	Includes items 1-18
20	833-693C	LIGHT HARNESS, 30' LEAD - LED	
21	833-694C	LIGHT HRNSS ENHANCE MODULE LED	
22	833-702C	LIGHT HARNESS DUAL AMBER - LED	

Rear Hitch: Flex Tongue & Ball Joint

Applies to Models: HT1100-10, HT1100-12, HT1100-15



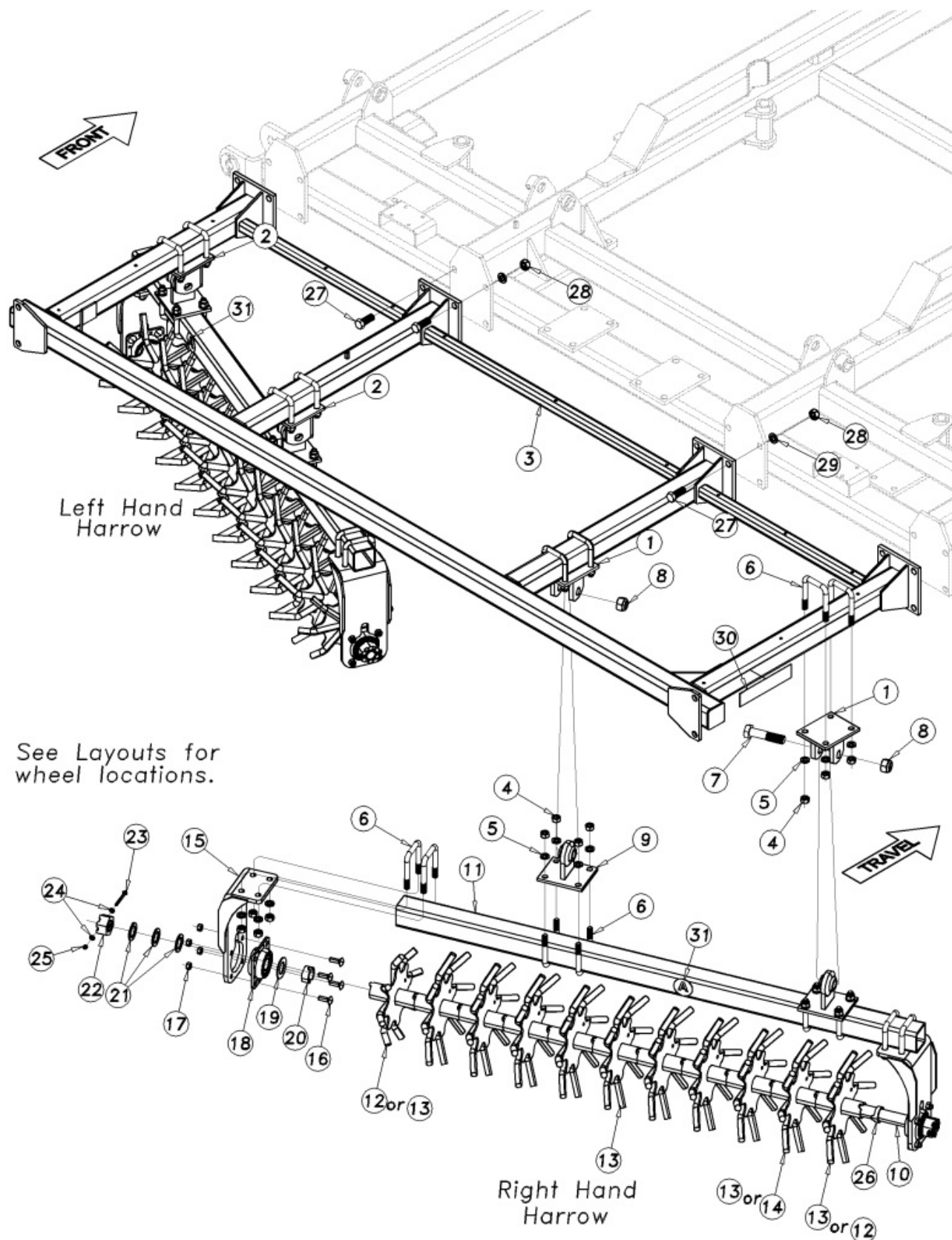
Rear Hitch: Flex Tongue & Ball Joint

Applies to Models: HT1100-10, HT1100-12, HT1100-15

Ref.	Part No.	Part Description	Comments
	dwgTP-69781	Image No.	
1	589-931H	REAR HITCH ARM LH	
2	589-932H	REAR HITCH ARM RH	
3	589-704H	REAR HITCH MOUNT	
4	589-708K	FLEX TONGUE SLIDE HITCH ASSY	Includes Items 14-31, 37
5	589-707K	BALL JOINT SLIDE HITCH ASSY	Includes Items 14-36
6	802-064C	HHCS 3/4-10X2 GR5	
7	804-023C	WASHER LOCK SPRING 3/4 PLT	
8	803-027C	NUT HEX 3/4-10 PLT	
9	806-007C	U-BOLT 3/4-10X4 1/32X4 1/2	
10	806-183C	U-BOLT 5/8-11X3 1/32X4 1/2 SPT	
11	804-022C	WASHER LOCK SPRING 5/8 PLT	
12	803-021C	NUT HEX 5/8-11 PLT	
13	806-203C	U-BOLT 3/4-10 X 5 1/32 X 4 1/2	
14	570-532H	E-Z HITCH T HANDLE	
15	589-333D	TUBE RND - 7/8 OD	
16	589-334D	BAR RND - 1 OD	
17	589-709H	SLIDE HITCH HOUSING	
18	589-710H	SLIDE HITCH TUBE	
19	589-711H	SLIDE HITCH STOP	
20	589-712H	SLIDE HITCH HANDLE	
21	802-311C	HHCS 1/2-13X4 1/4 GR5	
22	804-015C	WASHER LOCK SPRING 1/2 PLT	
23	803-020C	NUT HEX 1/2-13 PLT	
24	804-215C	WASHER FLAT 7/8 ASTM F436 PLT	
25	805-023C	PIN ROLL 3/16X1 1/4 PLT	
26	805-058C	PIN COTTER 3/16 X 2	
27	805-208C	PIN, ROLL 1/4 X 1 1/4 LONG	
28	805-249C	PIN ROLL 3/8 X 2 PLT	
29	805-611C	PIN ROLL 1/2 X 3 SPIRAL HD	
30	807-236C	SPRING EXT. 1.0ODX5.OLX.095MW	
31	807-348C	SPRING COMP 1.22ODX.115X3.25L	
32	589-714H	FLEX TONGUE SLIDE	
33	589-715H	FLEX TONGUE	
34	805-527C	PIN CLVS 1.0X5.19 USBL GR5	
35	804-192C	WASHER MACH 1.5X1.00X.075	
36	805-017C	PIN COTTER 3/16 X 1 3/4 PLT	
37	589-713H	BALL JOINT SLIDE	
38	838-615C	DECAL REFLECTOR AMBER 2X9	

Rolling Harrow Assembly (S/N GP-E3120H-)

Applies to Models: HT1100-10, HT1100-12, HT1100-15



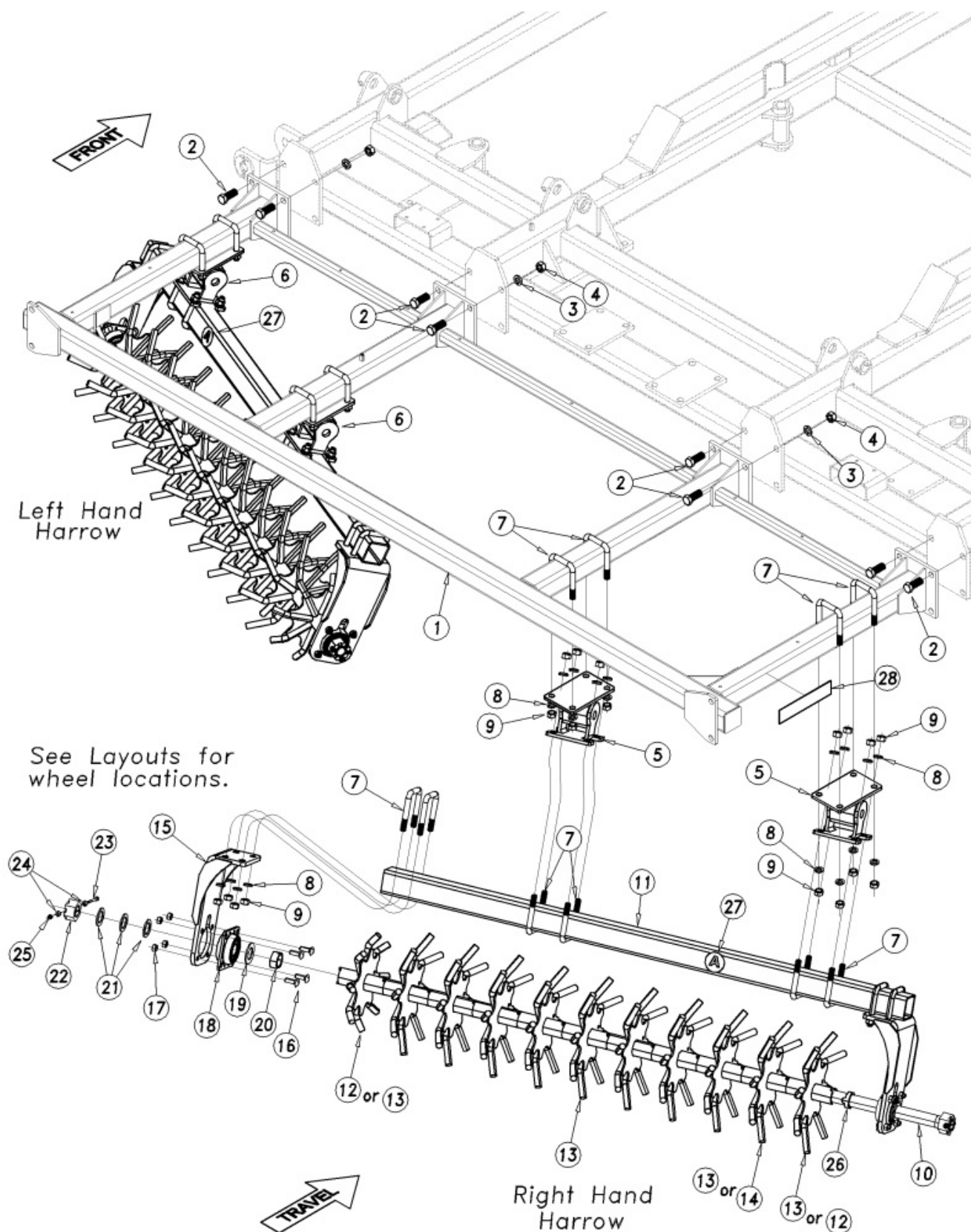
Rolling Harrow Assembly (S/N GP-E3120H-)

Applies to Models: HT1100-10, HT1100-12, HT1100-15

Ref.	Part No.	Part Description	Comments
	DWGTP-69615	Image No.	
1	589-220H	BRACKET - ROLLING HARROW RH	Used on Right half of attachment
2	589-803H	BRACKET - ROLLING HARROW LH	Used on Left half of attachment
3	589-841H	HT1100 CENTER DRAG FRAME	Models 10 & 12
3	588-391H	HT1100-15 DRAG FRAME	Model 15
4	803-021C	NUT HEX 5/8-11 PLT	
5	804-022C	WASHER LOCK SPRING 5/8 PLT	
6	806-183C	U-BOLT 5/8-11X3 1/32X4 1/2 SPT	
7	802-098C	HHCS 1-8X4 1/2 GR5	
8	803-038C	NUT HEX 1-8 NYLON INSERT PLT	
9	589-064H	BALL JOINT BRACKET	
10	578-014D	ROLLING SPIKE BOLT (74 1/4)	589-818K, 589-819K, Model 10
10	578-016D	ROLLING SPIKE BOLT (86 1/4)	599-116K, 599-117K, Model 12
10	578-011D	ROLLING SPIKE BOLT (56 1/4)	589-796K, 589-797K, 589-799K, 589-800K Model 15
11	578-004D	ROLLING SPIKE TUBE (70)	589-818K, 589-819K, Model 10
11	578-006D	ROLLING SPIKE TUBE (82)	599-116K, 599-117K, Model 12
11	578-001D	ROLLING SPIKE TUBE (52)	589-796K, 589-797K, 589-799K, 589-800K Model 15
12	589-251H	SPIKE WHEEL SMALL	Used in outside position on outside harrows and on inside position on all harrows
13	589-776H	SPIKE WHEEL LARGE - LH	
13	589-258H	SPIKE WHEEL LARGE	Right Hand Wheel
14	589-777H	SPIDER WHEEL MED FEATHER - LH	Used only in second from outside position on outside gang
14	589-500H	SPIDER WHEEL MED FEATHER	Right Hand Wheel/Used only in second from outside position on outside gang
15	589-257H	BRG HANGER (LONG)	
16	802-106C	RHSNB 1/2-13X1 1/2 GR5	
17	803-342C	NUT HEX TOP LOCK 1/2-13 PLT	
18	822-293C	BEARING FLG 1 1/2ID 5 IN SQ	
19	804-276C	WASHER .13X2.69X1.53 PLT	
20	890-861C	SPIDER WHEEL REAR SPACER	
21	804-063C	WASHER MACH 2.25 X 1.50 X 10GA	
22	803-301C	NUT HEX SLOTTED 1 1/2-6 PLT	
23	802-804C	HHCS 1/4-20X2 3/4 GR8 PLT	
24	804-007C	WASHER FLAT 1/4 SAE PLT	
25	803-255C	NUT HEX NYLOCK 1/4-20	
26	890-860C	SPIDER WHEEL FRONT SPACER	
27	802-064C	HHCS 3/4-10X2 GR5	
28	803-027C	NUT HEX 3/4-10 PLT	
29	804-023C	WASHER LOCK SPRING 3/4 PLT	
30	838-615C	DECAL REFLECTOR AMBER 2X9	
31	838-732C	DECAL A	
31	838-733C	DECAL B	
31	838-734C	DECAL C	
31	838-735C	DECAL D	
31	838-736C	DECAL E	
31	838-737C	DECAL F	
31	838-737C	DECAL F	

Rolling Harrow Torsion Assy (S/N GP-E3121H+)

Applies to Models: HT1100-10, HT1100-12, HT1100-15



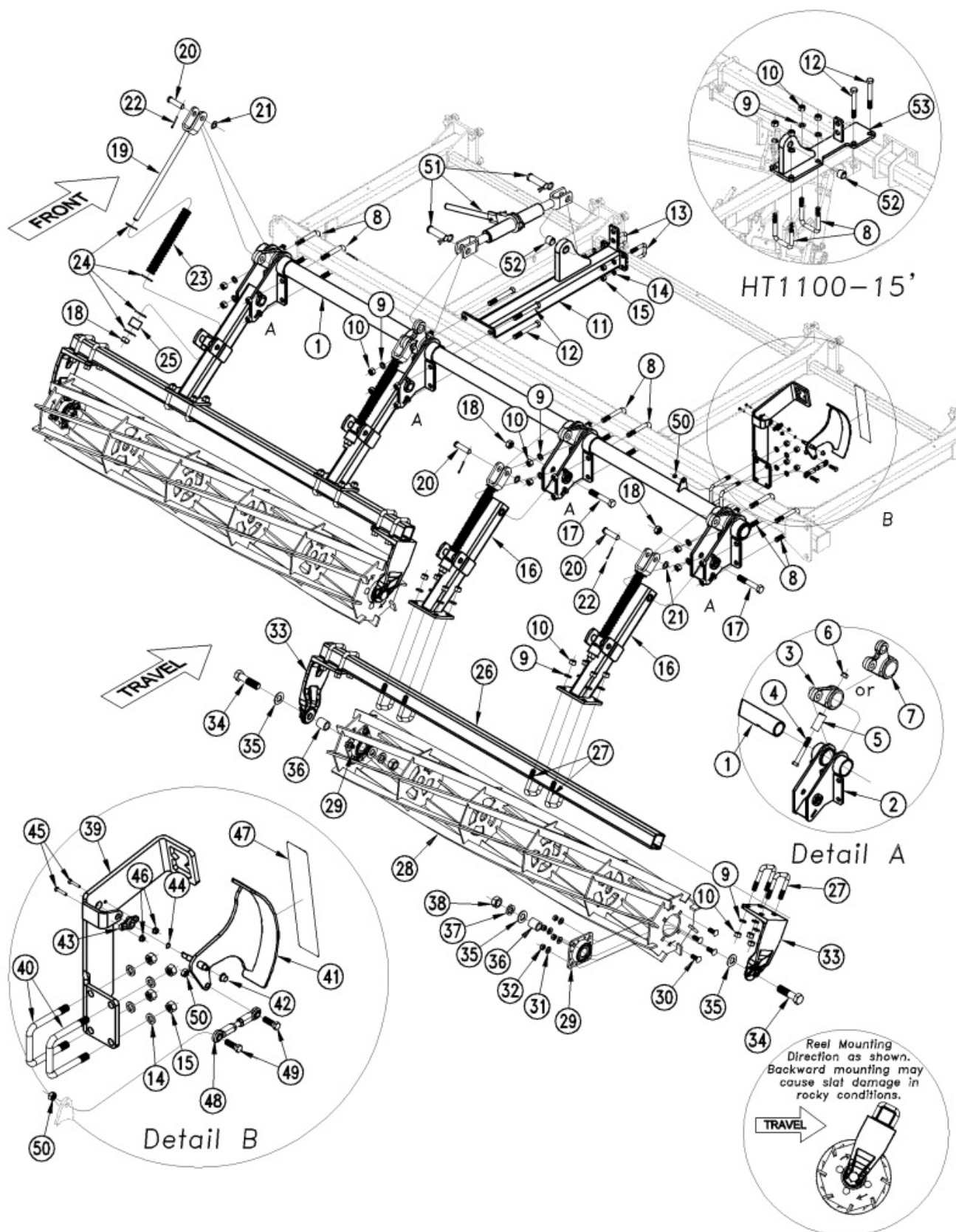
Rolling Harrow Torsion Assy (S/N GP-E3121H+)

Applies to Models: HT1100-10, HT1100-12, HT1100-15

Ref.	Part No.	Part Description	Comments
	dwgTP-77796	Image No.	
1	589-841H	HT1100 CENTER DRAG FRAME	Models 10 & 12
1	588-391H	HT1100-15 DRAG FRAME	Model 15
2	802-064C	HHCS 3/4-10X2 GR5	
3	804-023C	WASHER LOCK SPRING 3/4 PLT	
4	803-027C	NUT HEX 3/4-10 PLT	
5	892-252C	HT1100 RH RUBBER TORSION MOUNT	Used on Right half of attachment
6	892-253C	HT1100 LH RUBBER TORSION MOUNT	Used on Left half of attachment
7	806-183C	U-BOLT 5/8-11X3 1/32X4 1/2 SPT	
8	804-022C	WASHER LOCK SPRING 5/8 PLT	
9	803-021C	NUT HEX 5/8-11 PLT	
10	578-014D	ROLLING SPIKE BOLT (74 1/4)	589-818K, 589-819K, Model 10
10	578-016D	ROLLING SPIKE BOLT (86 1/4)	599-116K, 599-117K, Model 12
10	578-011D	ROLLING SPIKE BOLT (56 1/4)	589-796K, 589-797K, 589-799K, 589-800K Model 15
11	578-004D	ROLLING SPIKE TUBE (70)	589-818K, 589-819K, Model 10
11	578-006D	ROLLING SPIKE TUBE (82)	599-116K, 599-117K, Model 12
11	578-001D	ROLLING SPIKE TUBE (52)	589-796K, 589-797K, 589-799K, 589-800K Model 15
12	589-251H	SPIKE WHEEL SMALL	Used in outside position on outside harrows and on inside position on all harrows
13	589-776H	SPIKE WHEEL LARGE - LH	
13	589-258H	SPIKE WHEEL LARGE	Right Hand Wheel
14	589-777H	SPIDER WHEEL MED FEATHER - LH	Used only in second from outside position on outside gang
14	589-500H	SPIDER WHEEL MED FEATHER	Right Hand Wheel/Used only in second from outside position on outside gang
15	589-257H	BRG HANGER (LONG)	
16	802-106C	RHSNB 1/2-13X1 1/2 GR5	
17	803-342C	NUT HEX TOP LOCK 1/2-13 PLT	
18	822-293C	BEARING FLG 1 1/2ID 5 IN SQ	
19	804-276C	WASHER .13X2.69X1.53 PLT	
20	890-861C	SPIDER WHEEL REAR SPACER	
21	804-063C	WASHER MACH 2.25 X 1.50 X 10GA	
22	803-301C	NUT HEX SLOTTED 1 1/2-6 PLT	
23	802-804C	HHCS 1/4-20X2 3/4 GR8 PLT	
24	804-007C	WASHER FLAT 1/4 SAE PLT	
25	803-255C	NUT HEX NYLOCK 1/4-20	
26	890-860C	SPIDER WHEEL FRONT SPACER	
27	838-732C	DECAL A	
27	838-733C	DECAL B	
27	838-734C	DECAL C	
27	838-735C	DECAL D	
27	838-736C	DECAL E	
27	838-737C	DECAL F	
28	838-615C	DECAL REFLECTOR AMBER 2X9	

Single Reel Attachment Spring Assy

Applies to Models: HT1100-10, HT1100-12, HT1100-15



Single Reel Attachment Spring Assy

Applies to Models: HT1100-10, HT1100-12, HT1100-15

Ref.	Part No.	Part Description	Comments
	dwgTP-77155	Image No.	
1	599-130H	HYD REEL TUBE W/GA MNT	Models-10 & 12 Shown
1	599-131H	HYD REEL TUBE W/GA MNT	Model 15
2	589-684H	DRAG PIVOT BRACKET	
3	589-304D	CAST ROCKER ARM	
4	802-100C	HHCS 5/8-11X4 1/2 GR5	
5	589-303D	TUBE RND - 1 1/4 OD	
6	803-271C	NUT HEX TOP LOCK 5/8-11 PLT	
7	589-305D	CAST LEVER MACHINED	
8	806-183C	U-BOLT 5/8-11X3 1/32X4 1/2 SPT	
9	804-022C	WASHER LOCK SPRING 5/8 PLT	
10	803-021C	NUT HEX 5/8-11 PLT	
11	589-576H	HYD REEL CYL BRACKET	
12	802-062C	HHCS 5/8-11X5 GR5	
13	806-103C	U-BOLT 1/2-13 1 17/32 X 2 3/4	
14	804-015C	WASHER LOCK SPRING 1/2 PLT	
15	803-020C	NUT HEX 1/2-13 PLT	
16	589-577H	HYD REEL ARM	
17	802-192C	HHCS 3/4-10X4 1/2 GR5	
18	803-367C	NUT HEX TOP LOCK 3/4-10 PLT	
19	589-683H	SPRING ROD	
20	805-316C	PIN, 3/4 X 2 33/64 USABLE	
21	804-099C	WASHER 1 1/4 X 3/4 X 18 GA PLT	
22	805-089C	PIN COTTER 5/32 X 1 1/2 LONG	
23	807-224C	SPRG COM 1.47ODX.31WX11 3/8 BL	
24	804-024C	WASHER FLAT 3/4 USS PLT	
25	816-973C	RUBBER SPRING 1 1/2OD - 3/4ID	
26	575-093D	PART - 6' REEL	Models 10, 15 center reel
26	575-095D	PART - 7' REEL	Model 12
26	575-092D	PART - 5' REEL	Model 15 outside reels
27	806-182C	U-BOLT 5/8-11X2 9/16X3 3/4	
28	575-990H	6' HD REEL	Models 10, 15 center reel
28	575-987H	7' HD REEL	Model 12
28	575-989H	5' HD REEL	Model 15 outside reels
29	822-293C	BEARING FLG 1 1/2ID 5 IN SQ	
30	802-106C	RHSNB 1/2-13X1 1/2 GR5	
31	804-016C	WASHER FLAT 1/2 SAE PLT	
32	803-342C	NUT HEX TOP LOCK 1/2-13 PLT	
33	589-219D	REEL MOUNTING BRACKET	
34	802-073C	HHCS 1-8X4 GR5	
35	804-029C	WASHER FLAT 1 SAE	
36	540-180D	TUBE RND - 1 1/2 OD	
37	804-027C	WASHER LOCK SPRING 1 PLT	
38	803-031C	NUT HEX 1-8 PLT	
39	588-034H	GAUGE BRACKET	
40	806-066C	U-BOLT 1/2-13 X 3 1/32 X 4	
41	589-770H	HYD REEL GAUGE	
42	837-049C	FLANGE BEARING - 3/8	
43	837-048C	FLANGE BEARING - 3/8	
44	800-459C	SNAP RING 3/8	

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Single Reel Attachment Spring Assy

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46	803-517C	NUT HEX FLANGE #10-24 NYL	
47	858-902C	DECAL - HYD REEL GAUGE	
48	589-727S	ADJUSTABLE LINK 4.25"	
49	802-079C	HHCS 3/8-16X1 1/4 GR5	
50	803-123C	NUT HEX TOP LOCK 3/8-16 PLT	
51	892-174C	6" RATCHET JACK - 18.25CL	
52	890-005C	BUSHING CYL 1 1/4 X 1 X 1	
53	589-610H	CYL MOUNT PLATE	

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