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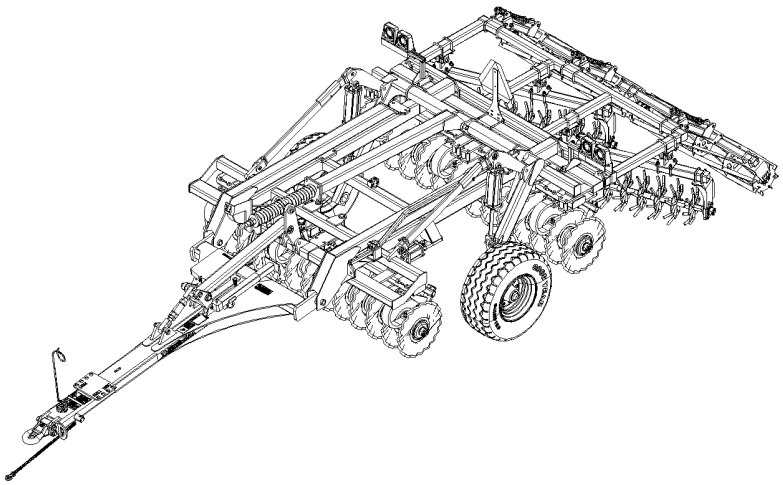
Parts Manual

Turbo Max
850TM & 1000TM

Great Plains
Manufacturing, Inc.
www.greatplainsmfg.com

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!



43922

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

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586-592P

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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.

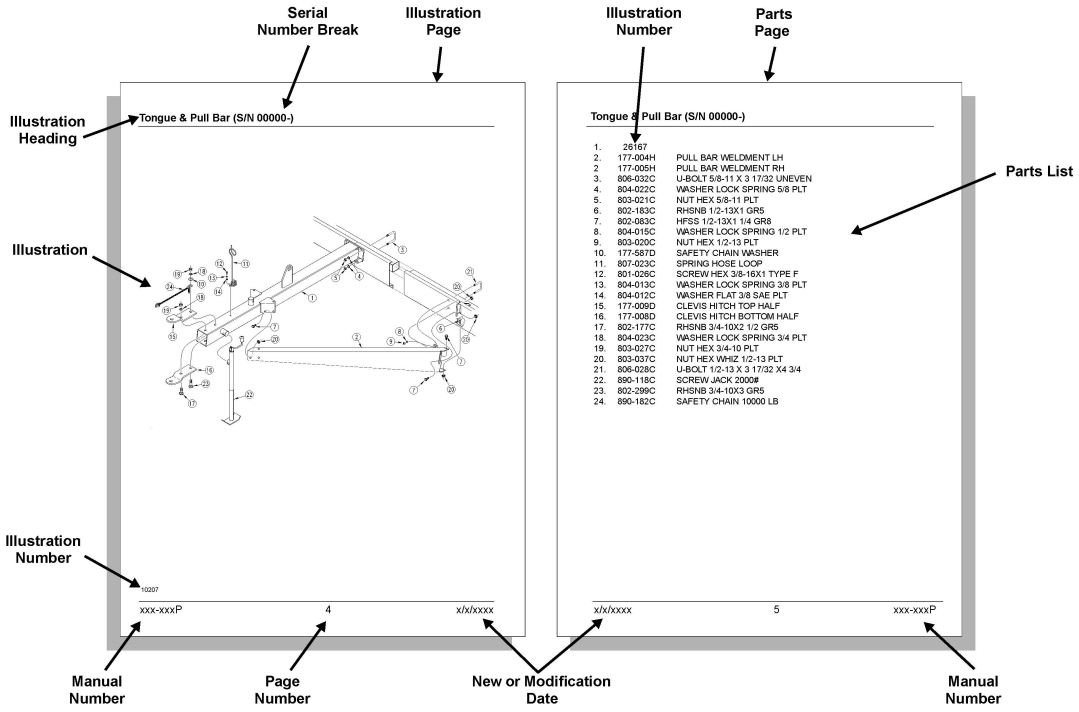
Manual Revisions

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



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
CRFCHMS	Cross Recess Flat Countersunk Head Mach. 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 lists. 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.

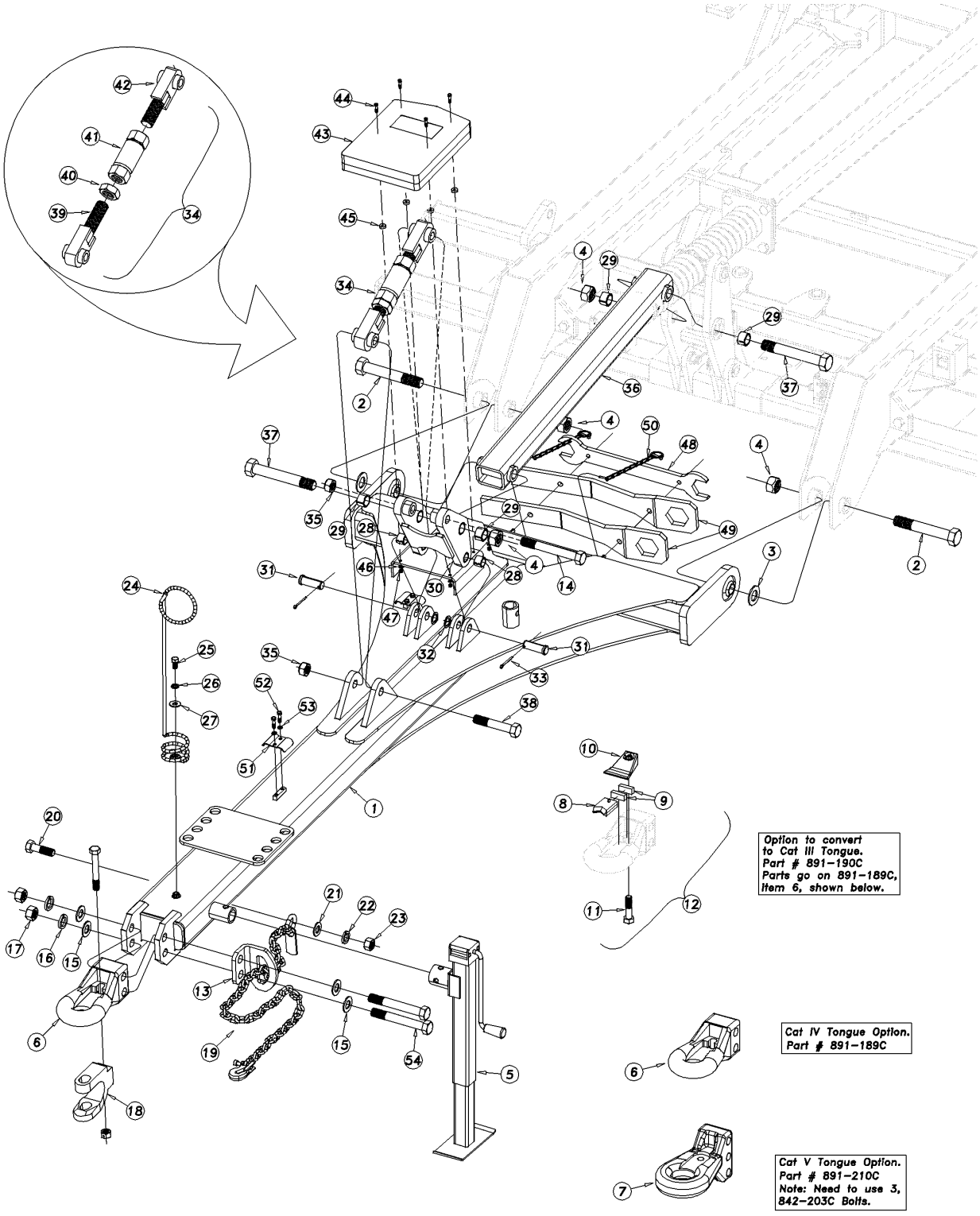
Serial Numbers

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

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

Hitch Assembly

(Applies to 1000TM, 850TM only)



43903

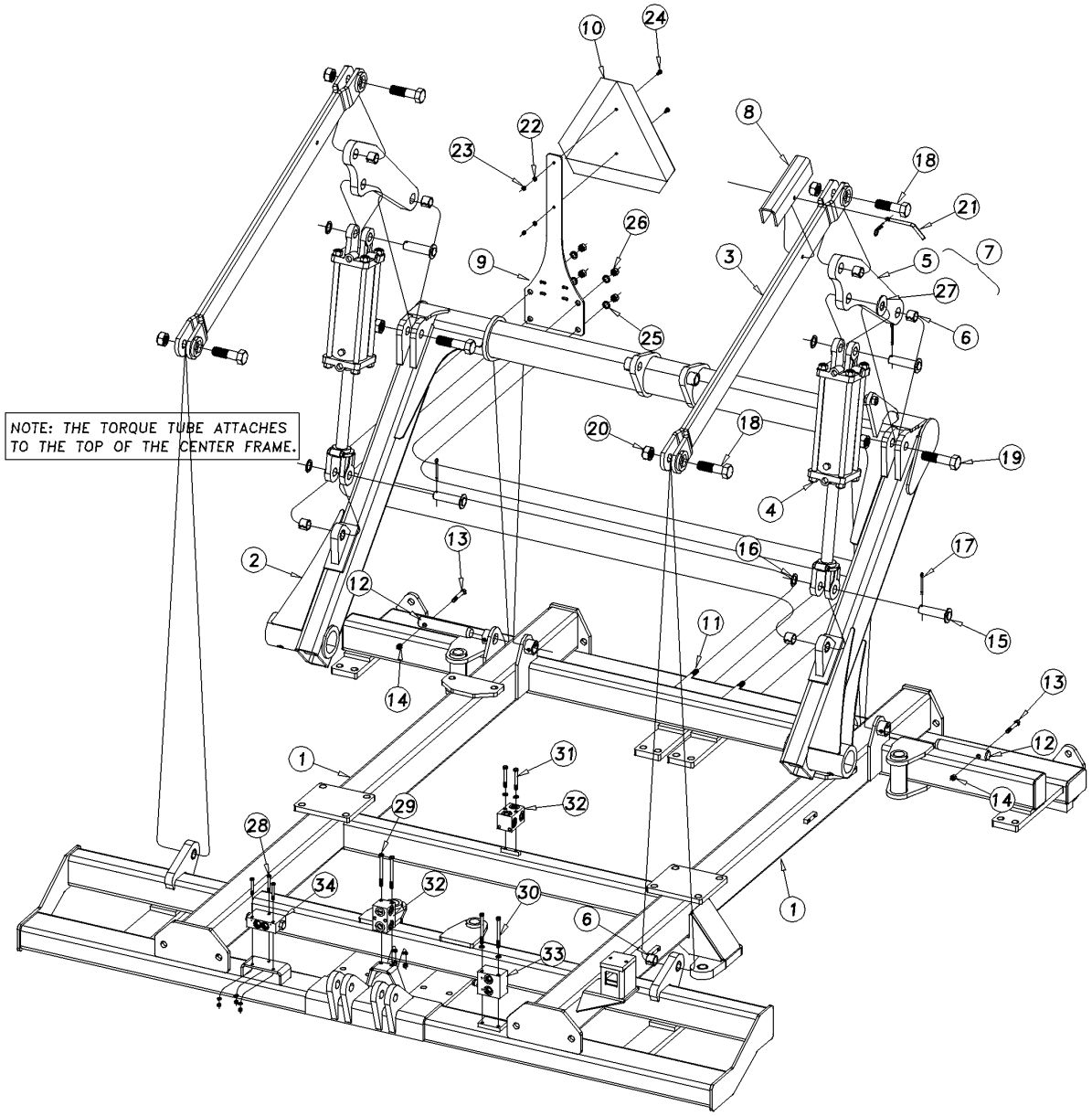
Hitch Assembly

(Applies to 1000TM, 850TM only)

Ref.	Part No.	Part Description	Comments	Revision
	dwg43903	Image No.		
1.	586-384H	HITCH FRAME 1800TM		
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.	890-977C	SQUARE SCREW JACK 5000LBS.		
6.	891-189C	HITCH BASE - CAT III & IV		
7.	891-210C	CAT V PERFECT HITCH		
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.	556-236D	SAFETY CHAIN SUPPORT		
14.	802-859C	HHCS 1-8X8 GR8 PLT SPTHD		
15.	804-029C	WASHER FLAT 1 SAE		
16.	804-027C	WASHER LOCK SPRING 1 PLT		
17.	803-031C	NUT HEX 1-8 PLT		
18.	890-798C	HITCH CLEVIS W/BOLT	DO NOT use if tractor drawbar	
19.	566-169D	SAFETY CHAIN 16100 LB	has hammer strap. Will not work	
20.	802-332C	HHCS 7/8-9X3 GR5	with cat V.	
21.	804-026C	WASHER FLAT 7/8 SAE PLT		
22.	804-037C	WASHER LOCK SPRING 7/8 PLT		
23.	803-049C	NUT HEX 7/8-9 PLT		
24.	807-073C	SPRING HOSE LOOP HEAVY		
25.	802-258C	HHCS 1/2-13X1 GR5		
26.	804-015C	WASHER LOCK SPRING 1/2 PLT		
27.	804-017C	WASHER FLAT 1/2 USS PLT		
28.	890-005C	BUSHING CYL 1 1/4 X 1 X 1		
29.	890-011C	BUSHING SPINDLE 1 1/2X1 1/4X1		
30.	586-314H	H - BRACKET		
31.	805-134C	PIN CLEVIS 1 X 2 29/64 USABLE		
32.	804-192C	WASHER MACH 1.5X1.00X.075		
33.	805-058C	PIN COTTER 3/16 X 2		
34.	556-119S	LEVEL TURNBUCKLE		
35.	803-316C	NUT HEX LOCK 1-8 PLT		
36.	586-293H	FRONT SHORT LEVEL BAR		
37.	576-145D	HHCS 1 1/4-7X8 1/2 GR8 SPTH		
38.	802-715C	HHCS 1-8X6 GR8 PLT SPTHD		
39.	556-170H	TURNBUCKLE SUB ASSY RH THREAD		
40.	803-210C	NUT HEX JAM 1 1/2-12 PLT		
41.	556-171H	TURNBUCKLE SUB ASSY		
42.	556-169H	TURNBUCKLE SUB ASSY LH THREAD		
43.	817-516C	MANUAL PAK 1" W/GASKET		
44.	802-005C	HHCS 1/4-20X1 GR5		
45.	817-042C	MINI END WHEEL PRESS WHEEL		
46.	804-006C	WASHER LOCK SPRING 1/4 PLT		
47.	803-006C	NUT-HEX 1/4-20 PLT		
48.	586-158D	TRNBCKLE WRENCH 2 5/16-1 15/16		
49.	556-296D	GANG WRENCH 1 3/4		
50.	805-442C	PIN LYNCH 3/16 W/COTTER/CHAIN		
51.	502-068D	HYD HOSE CLAMP BRACKET		
52.	802-705C	HHCS 5/16-18X5/8	Single set of Hoses	
52.	802-010C	HHCS 5/16-18X1 1/4 GR5	Double set of Hoses	
52.	802-138C	HHCS 5/16-18X2 1/4 GR5	Triple set of Hoses	
53.	804-009C	WASHER LOCK SPRING 5/16 PLT		
54.	842-203C	HHCS 1-8X7 1/2 GR8 SPTHD PLT		

Center Frame

(Applies to 1000TM, 850TM only)



43901

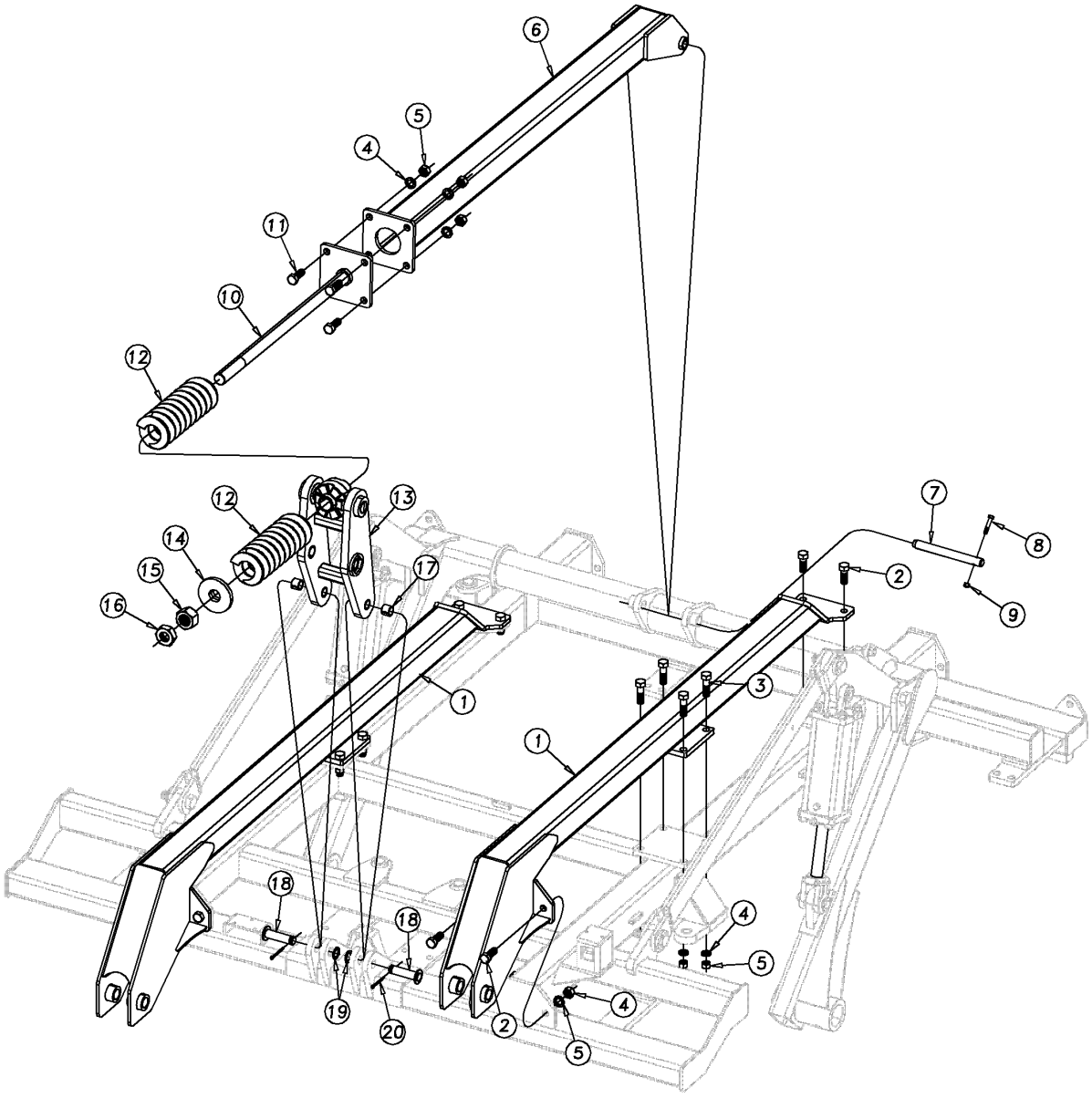
Center Frame

(Applies to 1000TM, 850TM only)

Ref.	Part No.	Part Description	Comments	Revision
	dwg43901	Image No.		
1.	586-571H	CENTER FRAME 850-1000TM		
2.	586-575H	TORQUE TUBE 850-1000TM		
3.	586-259H	LIFT STRAP		
4.	810-502C	CYL REP 3.75X10X1.38 ROD (TIE)		
5.	586-541D	PLATE - TORCHED		
6.	890-005C	BUSHING CYL 1 1/4 X 1 X 1		
7.	586-334S	CYLINDER MOUNT BAR TURBO MAX		
8.	586-149D	4.25X10 CYL TRANSPORT LOCK		
9.	586-600D	SMV MOUNT		
10.	818-055C	DECAL SLOW MOVING-GALV. BACKED		
11.	806-122C	U-BOLT 1/2-13 X 3 1/32 X 6		
12.	805-349C	PIN 1.25X5.79 USBL HRD PLT		
13.	802-623C	HHCS 3/8-16X2 1/4 GR8 SPTHD		
14.	803-123C	NUT HEX TOP LOCK 3/8-16 PLT		
15.	805-396C	PIN CLVS 1.0X3.13 USBL		
16.	804-192C	WASHER MACH 1.5X1.00X.075		
17.	805-058C	PIN COTTER 3/16 X 2		
18.	842-254C	HHCS 1-8X3 1/4 GR8 SPTHD		
19.	842-253C	HHCS 1-8X4 GR8 SPTHD		
20.	803-316C	NUT HEX LOCK 1-8 PLT		
21.	805-001C	PIN BENT .38X3.0 USBL W/PIN		
22.	804-006C	WASHER LOCK SPRING 1/4 PLT		
23.	803-006C	NUT HEX 1/4-20 PLT		
24.	801-005C	SCREW PAN HD 1/4-20 X 3/4		
25.	804-015C	WASHER LOCK SPRING 1/2 PLT		
26.	803-020C	NUT HEX 1/4-13 PLT		
27.	804-028C	WASHER FLAT 1 USS PLT		
28.	802-152C	HHCS 1/4-20X2 GR5		
29.	802-279C	HHCS 5/16-18X4 GR5		
30.	802-333C	HHCS 5/16-18X3 1/2 GR5		
31.	802-172C	HHCS 5/16-18X2 1/2 GR5		
32.	560-536D	DOUBLE HYD TEE BLOCK		
33.	810-116C	COUNTERBALANCE VALVE MAN. T.T.		
34.	810-599C	LOCK VALVE		

Center Truss & Level Bar Assembly

(Applies to 1000TM, 850TM only)



43902

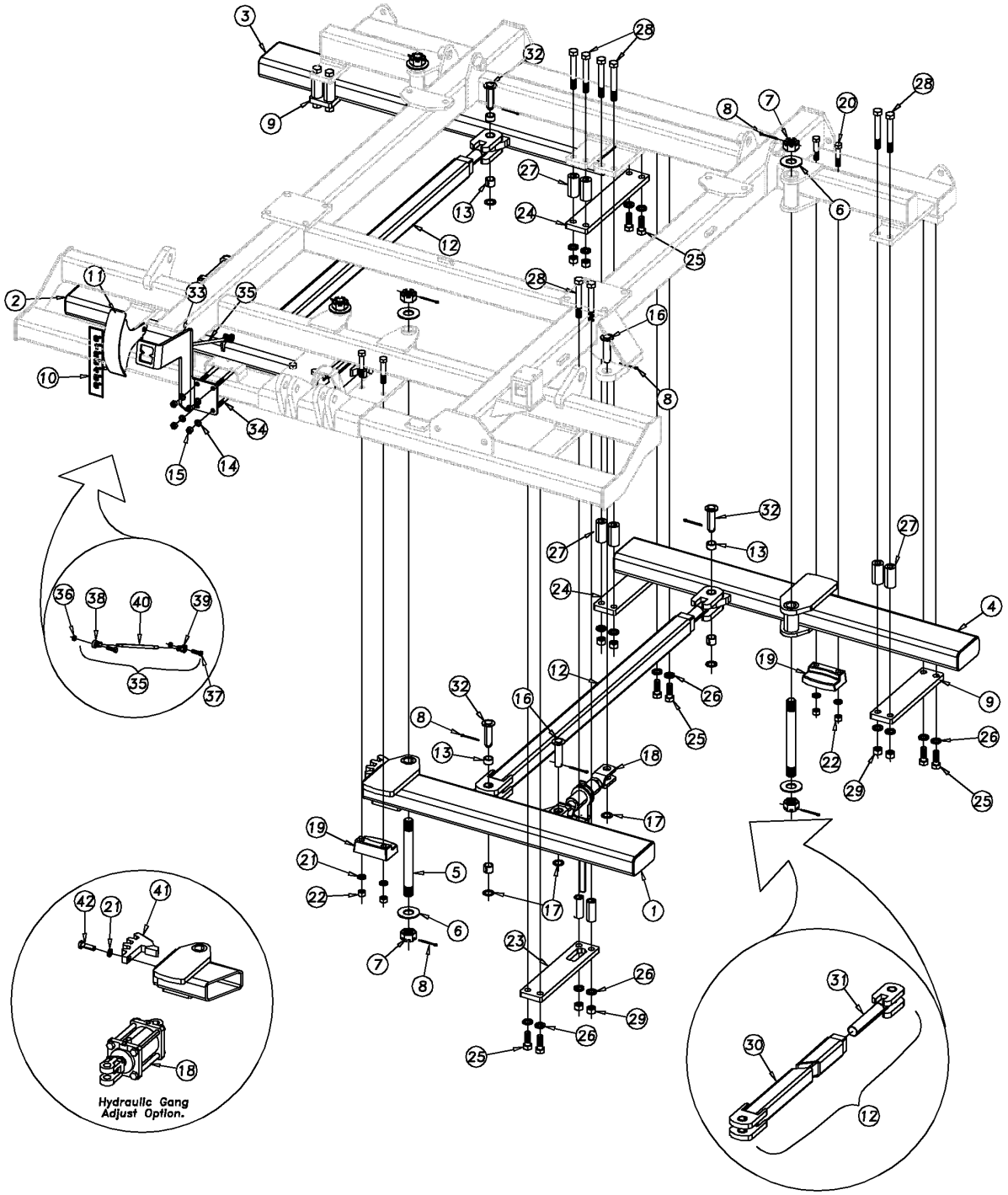
Center Truss & Level Bar Assembly

(Applies to 1000TM, 850TM only)

Ref.	Part No.	Part Description	Comments	Revision
	dwg43902	Image No.		
1.	586-389H	HITCH TRUSS		
2.	802-064C	HHCS 3/4-10X2 GR5		
3.	802-212C	HHCS 3/4-10X2 1/2 GR5		
4.	804-023C	WASHER LOCK SPRING 3/4 PLT		
5.	803-027C	NUT HEX 3/4-10 PLT		
6.	586-428H	LEVEL BAR 1200TM/1500TM		
7.	805-422C	PIN 1.0X8.67 USBL HRD PLT		
8.	802-483C	HHCS 3/8-16X2 1/4 GR 8 PLT		
9.	803-078C	NUT LOCK 3/8-16 NYLON INSERT		
10.	586-373H	LEVEL BAR SPRING ROD		
11.	802-947C	HHCS 3/4-10X2 GR8		
12.	807-314C	SPRING COMP 4.5ODX1.125WX13L		
13.	586-398H	H - BRACKET		
14.	586-374H	SPRING GUIDE		
15.	803-073C	NUT HEX 1 1/2-6 PLT		
16.	803-063C	NUT HEX JAM 1 1/2-6 PLT		
17.	890-005C	BUSHING CYL 1 1/4 X 1 X 1		
18.	805-351C	PIN CLVS 1.0X3.38 USBL		
19.	804-192C	WASHER MACH 1.5X1.00X.075		
20.	805-058C	PIN COTTER 3/16 X 2		

Center Gang Bar Assembly

(Applies to 1000TM, 850TM only)



43906

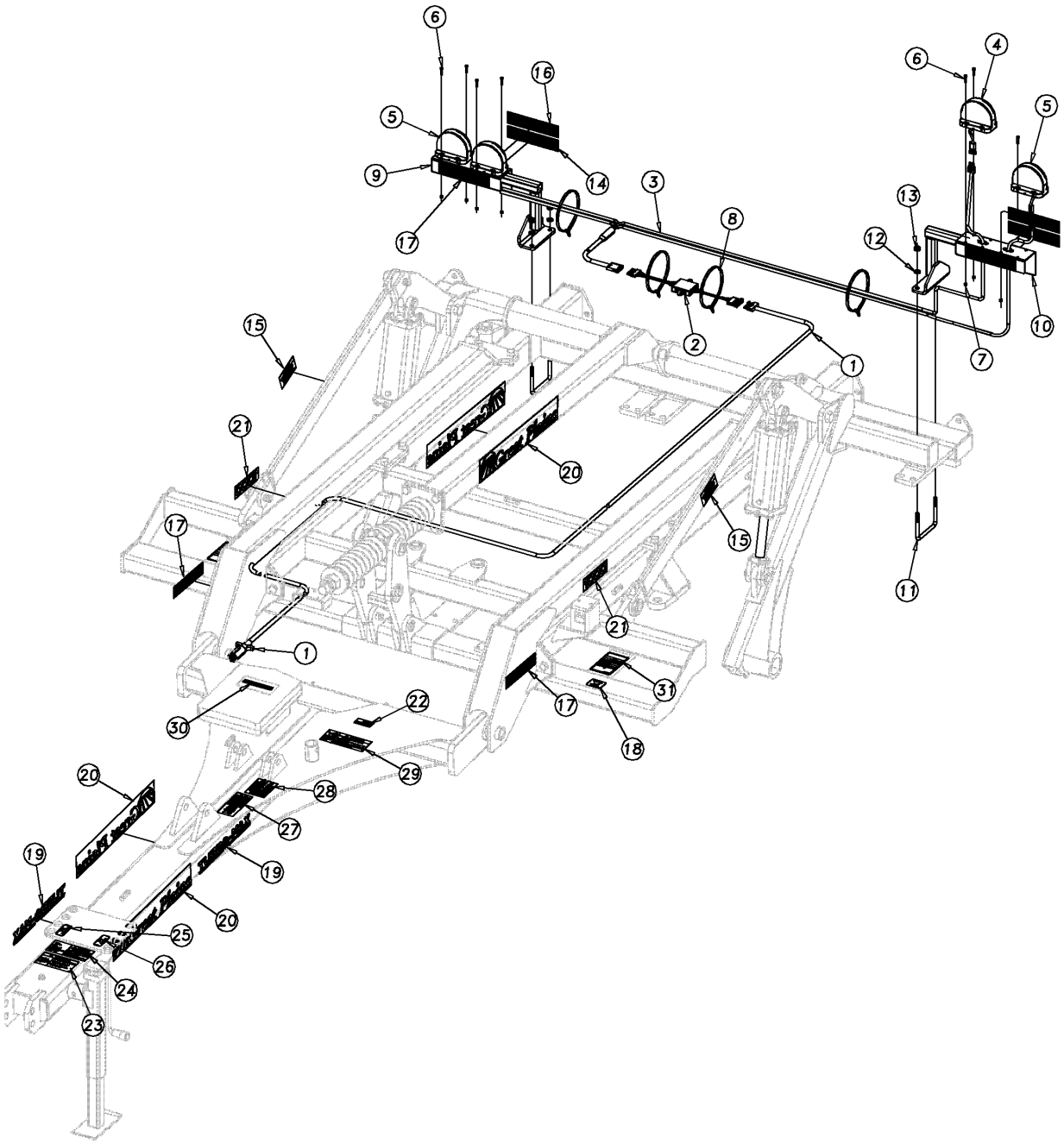
Center Gang Bar Assembly

(Applies to 1000TM, 850TM only)

Ref.	Part No.	Part Description	Comments	Revision
	dwg43906	Image No.		
1.	586-578H	GANG BAR 850-1000 LH FRONT	Model 850 & 1000 (Shown)	
1.	586-741H	GANG BAR 850-1000 LH FRONT	Used with 21, 41 & 42 for Hydraulic Option	
2.	586-579H	GANG BAR 850-1000 RH FRONT	Model 850 & 1000	
2.	586-742H	GANG BAR 850-1000 RH FRONT	Used with 21, 41 & 42 for Hydraulic Option	
3.	586-580H	GANG BAR 1000 RH REAR	Model 1000	
3.	586-582H	GANG BAR 850 RH REAR	Model 850	
4.	586-581H	GANG BAR 1000 LH REAR	Model 1000 (Shown)	
4.	586-583H	GANG BAR 850 LH REAR	Model 850	
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.	586-931D	850-1000TM BOTOM PLATE REAR		
10.	848-818C	DECAL TMX GAUGE		
11.	586-300H	ANGLE GAUGE		
12.	586-298S	TURNBUCKLE ASSEMBLY	Includes items 30-31	
13.	890-143C	1 1/4 X 1 X 3/4 HDR BUSHING		
14.	804-015C	WASHER LOCK SPRING 1/2 PLT		
15.	803-020C	NUT HEX 1/2-13 PLT		
16.	805-396C	PIN CLEVIS 1 X 3 1/8 USABLE	Pins supplied with cylinder	
17.	804-192C	WASHER MACH 1.5X1.00X.075		
18.	891-713C	RATCHET JACK - HD	Manual Gang Adjust Only (Standard)	
18.	810-741C	CYL REP 3.25X2.5X1.25 ROD(TIE)	Hydraulic Gang Adjust (Optional)	
19.	812-402C	BRACKET		
20.	802-162C	HHCS 5/8-11X3 1/2 GR5		
21.	804-022C	WASHER LOCK SPRING 5/8 PLT		
22.	803-021C	NUT HEX 5/8-11 PLT		
23.	586-544D	PLATE TORCHED		
24.	586-543D	PLATE TORCHED		
25.	802-064C	HHCS 3/4-10X2 GR5		
26.	804-023C	WASHER LOCK SPRING 3/4 PLT		
27.	586-542D	TUBE RND		
28.	802-070C	HHCS 3/4-10X6 GR5		
29.	803-027C	NUT HEX 3/4-10 PLT		
30.	586-254H	TURNBUCKLE		
31.	586-257H	TURNBUCKLE END		
32.	805-498C	PIN CLEVIS 1 X 3 USEABLE		
33.	586-584H	ANGLE GAUGE BKT		
34.	806-122C	U-BOLT 1/2-13 X 3 1/32 X 6		
35.	586-561S	ADJUSTABLE LINK 14.50"	Includes items 38 - 40	
36.	803-123C	NUT HEX TOP LOCK 3/8-16 PLT	Used to attach adjustable link to angle gauge and gang bar.	
37.	802-079C	HHCS 3/8-16X1 1/4 GR5	Used to attach adjustable link to angle gauge and gang bar.	
38.	817-924C	3/8 ROD END 3/8-24 UNF RH THD		
39.	837-046C	3/8 ROD END 3/8-24 UNF LH THD		
40.	586-539D	BAR RND - 3/8 THD		
41.	588-228D	PLATE - TORCHED - LH		
41.	588-229D	PLATE - TORCHED - RH		
42.	802-055C	HHCS 5/8-11X2 GR5		

Lights and Decals

(Applies to 1000TM, 850TM only)



43904

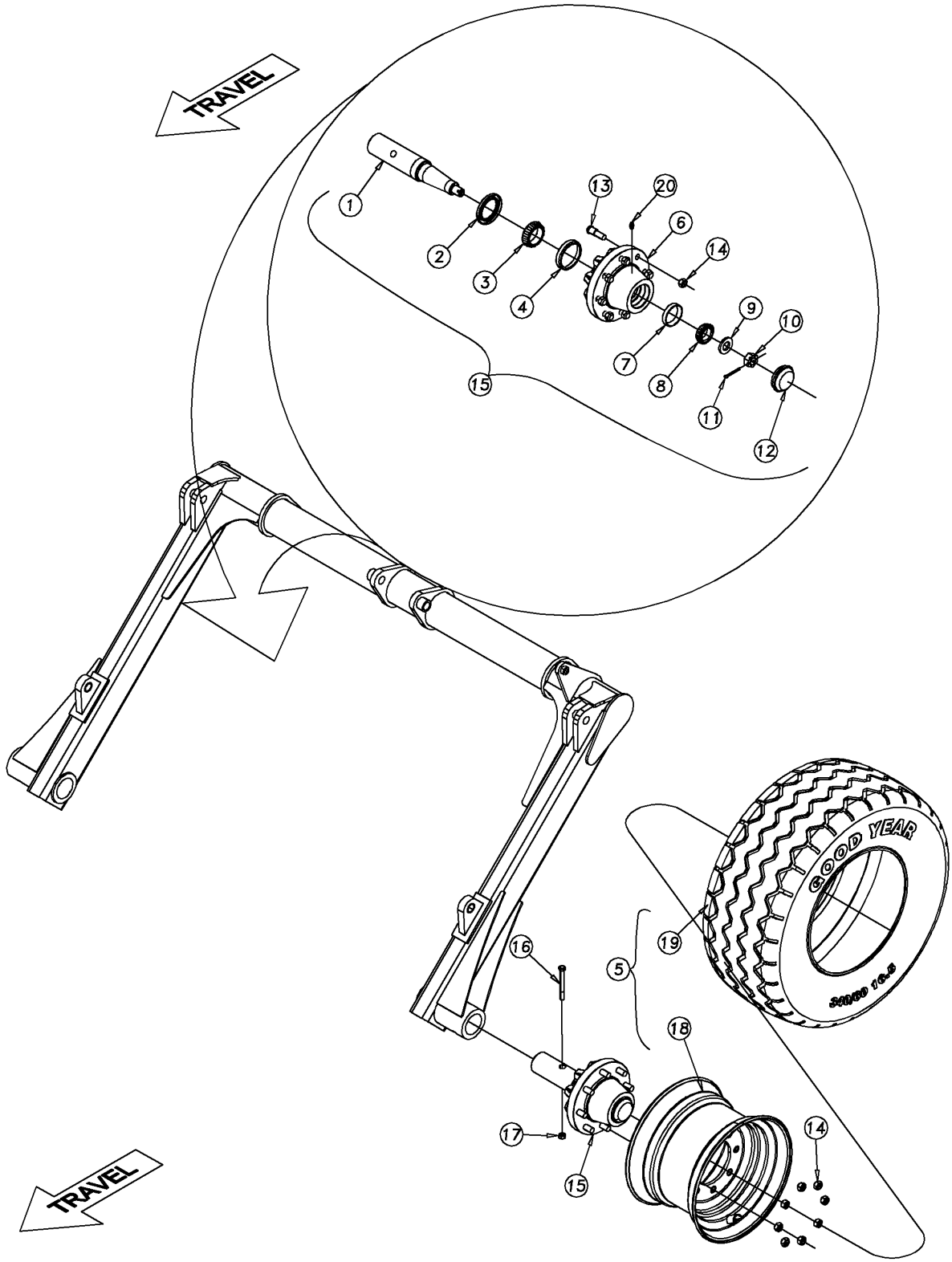
Lights and Decals

(Applies to 1000TM, 850TM only)

Ref.	Part No.	Part Description	Comments	Revision
	dwg43904	ImageNo		
1.	833-693C	LIGHT HARNESS, 30' LEAD		
2.	833-694C	LIGHT NARNESS, ENHANCE MODULE		
3.	833-695C	LIGHT HARNESS, WISHBONE		
4.	833-696C	LIGHT HARNESS, RED LAMP		
5.	833-697C	LIGHT HARNESS, AMBER LIGHT		
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		
9.	586-576H	LIGHT BKT 850-1000TM RH		
10.	586-577H	LIGHT BKT 850-1000TM LH		
11.	806-159C	U-BOLT 1/2-13 X 5 1/32 X 4		
12.	804-015C	WASHER LOCK SPRING 1/2 PLT		
13.	803-020C	NUT HEX 1/2-13 PLT		
14.	838-603C	DECAL REFLECTOR ORANGE 2X9		
15.	838-613C	DECAL NOTICE TRANSPORT LOCK		
16.	838-614C	DECAL REFLECTOR RED 2X9		
17.	838-615C	DECAL REFLECTOR AMBER 2X9		
18.	838-992C	DECAL DISK DEPTH CONTROL		
19.	848-783C	DECAL TURBO-MAX		
20.	848-911C	DECAL GP&LOGO HARVEST/3X20		
21.	858-804C	DECAL - 1000 TURBO MAX		
21.	858-805C	DECAL - 850 TURBO MAX		
22.	818-190C	DECAL FLAG		
23.	838-606C	DECAL WARNING TONGUE RISING		
24.	838-600C	DECAL DANGER CRUSHING HAZARD		
25.	818-136C	DECAL COUPLER STORAGE, RED		
26.	818-134C	DECAL COUPLER STORAGE, BLACK		
27.	838-599C	DECAL DANGER ELECTROCUTION HA		
28.	838-598C	DECAL CAUTION GENERAL 4X5		
29.	838-094C	DECAL WARNING HYD PRESS LONG		
30.	838-482C	DECAL GP PLANTING COMPONENTS		
31.	858-896C	DECAL - 0-6 DEGREE LH	Apply 1 1/8" back from the front frame tube.	
31.	858-897C	DECAL - 0-6 DEGREE RH	Apply 1 1/8" back from the front frame tube.	

Transport Assembly

(Applies to 1000TM, 850TM only)



43905

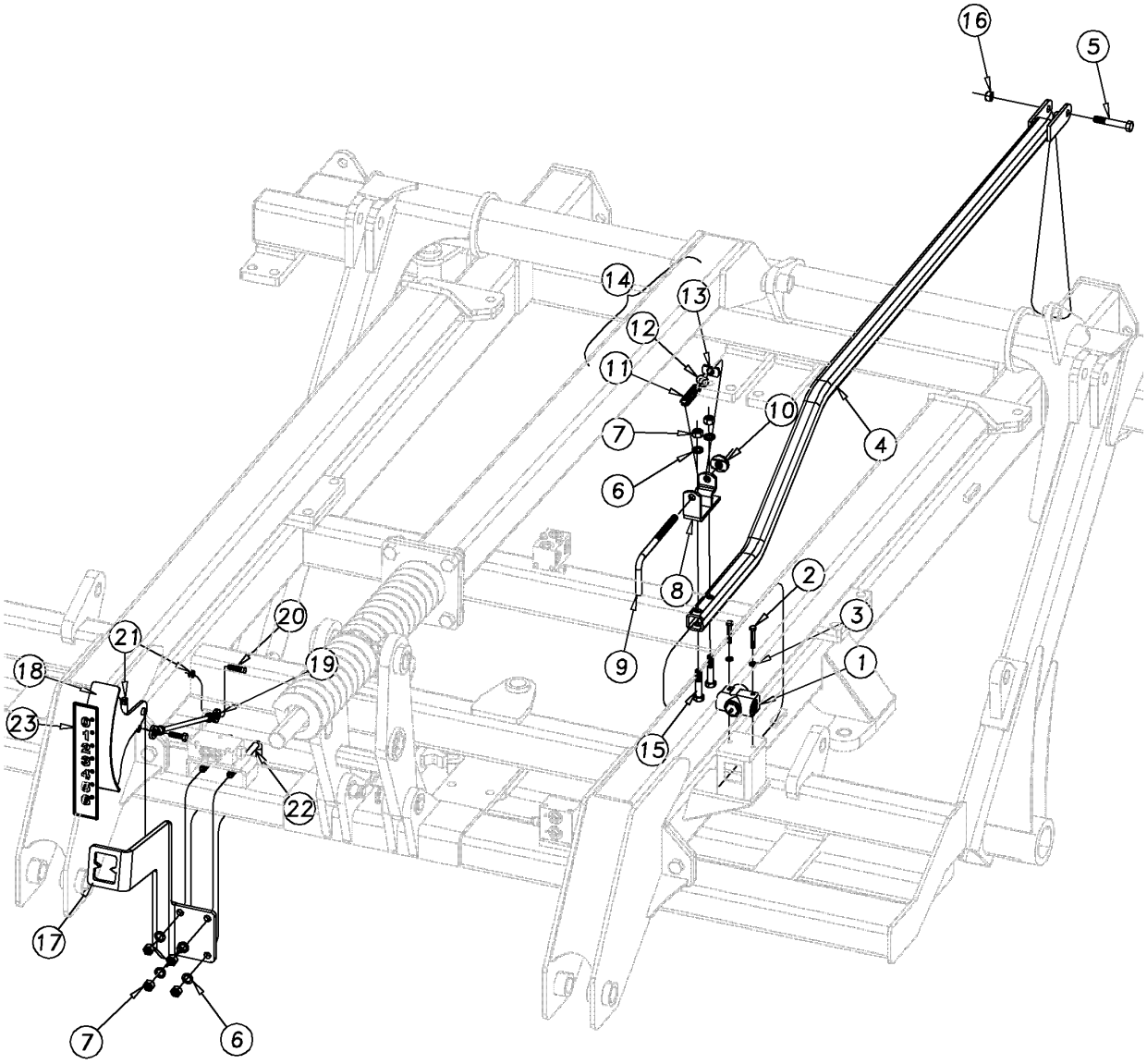
Transport Assembly

(Applies to 1000TM, 850TM only)

Ref.	Part No.	Part Description	Comments	Revision
	dwg43905	Image No.		
1.	815-313C	SPINDLE 2.75 X 15.00		
2.	816-595C	OIL SEAL CR29968		
2.	816-771C	SEAL GREASE 2.75X4.003X0.300	Replaced by 816-595C	
3.	822-238C	BEARING CONE 387-AS		
4.	822-107C	BRG CUP 3.8ID 382A		
5.	814-500C	TIRE/WHL 11LX15 12 PLY 8BLT BKS	Includes items 18 & 19	
6.	815-301C	HUB ASSEMBLY; 8-BOLT, 8000LBS		
6.	815-484C	HEAVY 8-BOLT HUB	Replaced by 815-301C	
7.	822-053C	BEARING CUP #LM 501310		
8.	822-048C	BEARING CONE #LM 501349		
9.	148-404D	1 HARDENED SPINDLE WASHER		
10.	803-095C	NUT HEX SLOTTED 1-14		
11.	805-060C	PIN COTTER 7/32 X 2		
12.	890-277C	GREASE CAP 3.125 X .28		
13.	802-182C	HUB STUD 5/8-18X2 1/2 GR5		
14.	803-219C	NUT LUG 5/8-18 X 90 DEG PLT		
15.	815-314C	8-BOLT HUB SPINDLE ASM 75-8	Include items 1-4 & 6-14 & 20	
16.	802-069C	HHCS 3/4-10 X 5 GR5		
17.	803-367C	NUT HEX TOP LOCK 3/4-10 PLT		
18.	814-501C	WHEEL 16.5X11.00 3/8OFFSET BKSN		
19.	814-469C	TIRE TITAN 340/60R16.5		
20.	800-130C	GREASE ZERK STRAIGHT 1/8-27NPT		

Hydraulic Depth Control

(Applies to 1000TM, 850TM only)



43907

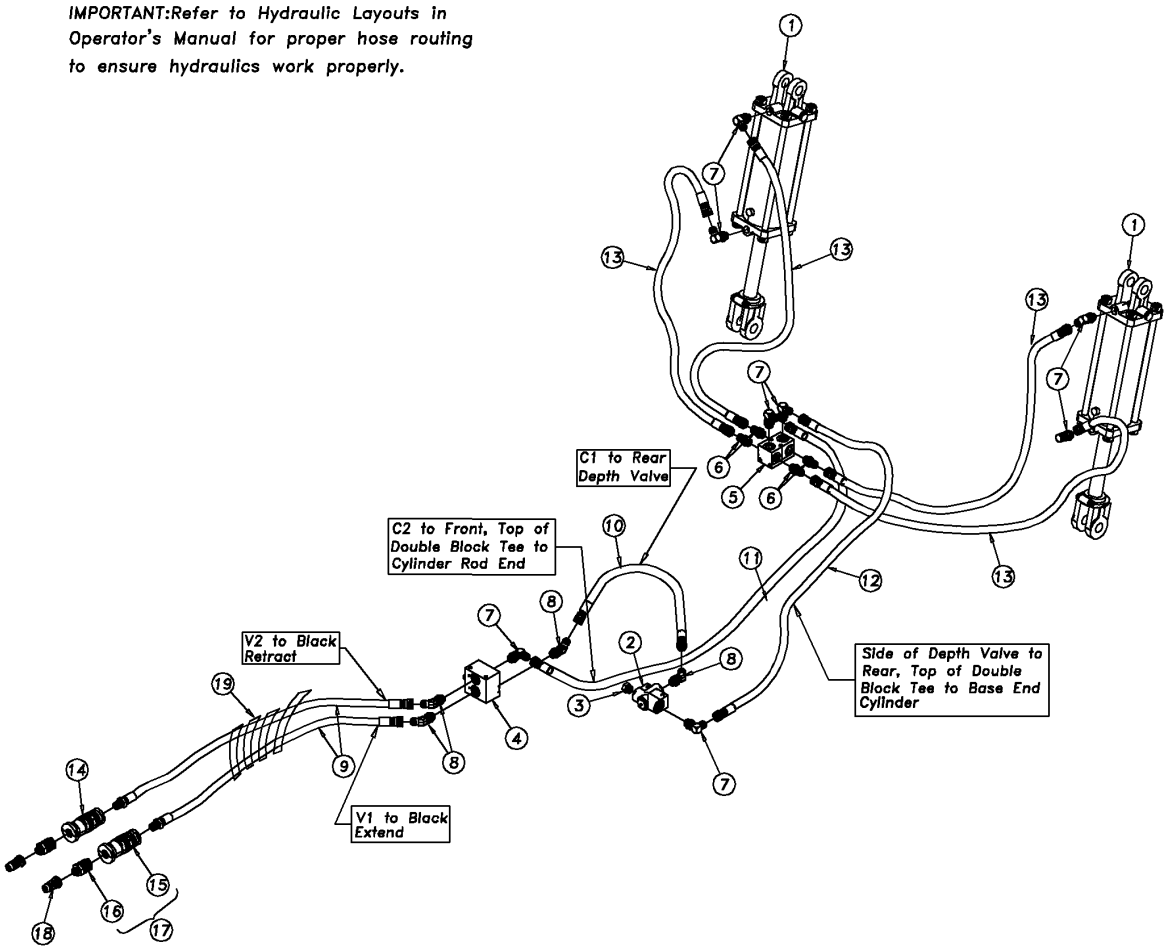
Hydraulic Depth Control

(Applies to 1000TM, 850TM only)

Ref.	Part No.	Part Description	Comments	Revision
	dwg43907	Image No.		
1.	810-511C	HYD VALVE DEPTH CONTROL CROSS		
2.	802-115C	HHCS 5/16-18X2 GR5		
3.	804-009C	WASHER LOCK SPRING 5/16 PLT		
4.	586-403H	DEPTH STOP TUBE		
5.	802-039C	HHCS 1/2-13X3 GR5		
6.	804-015C	WASHER LOCK SPRING 1/2 PLT		
7.	803-020C	NUT HEX 1/2-13 PLT		
8.	550-200H	DEPTH STOP BRACKET		
9.	550-425D	DEPTH STOP ROD 1/2" THREADED		
10.	550-201H	DEPTH STOP END		
11.	807-216C	SPRING COMP .781D .125W 2.63LG		
12.	804-094C	WASHER FLAT 1/2 HARD ASTMF436		
13.	803-338C	1/2-13 4XPROJECTION WELD NUT		
14.	550-202S	DEPTH STOP ASSEMBLY	Includes items 8-13	
15.	802-130C	HHCS 1/2-13X2 1/2 GR5		
16.	803-342C	NUT HEX TOP LOCK 1/2-13 PLT		
17.	586-584H	ANGLE GAUGE BKT		
18.	586-300H	ANGLE GAUGE		
19.	589-561S	ADJUSTABLE LINK 14.50"		
20.	802-079C	HHCS 3/8-16X1 1/4 GR5		
21.	803-123C	NUT HEX TOP LOCK 3/8-16 PLT		
22.	806-122C	U-BOLT 1/2-13 X 3 1/32 X 6		
23.	848-818C	DECAL TMX GAUGE		

Hydraulic Lift System

(Applies to 1000TM, 850TM only)



43908

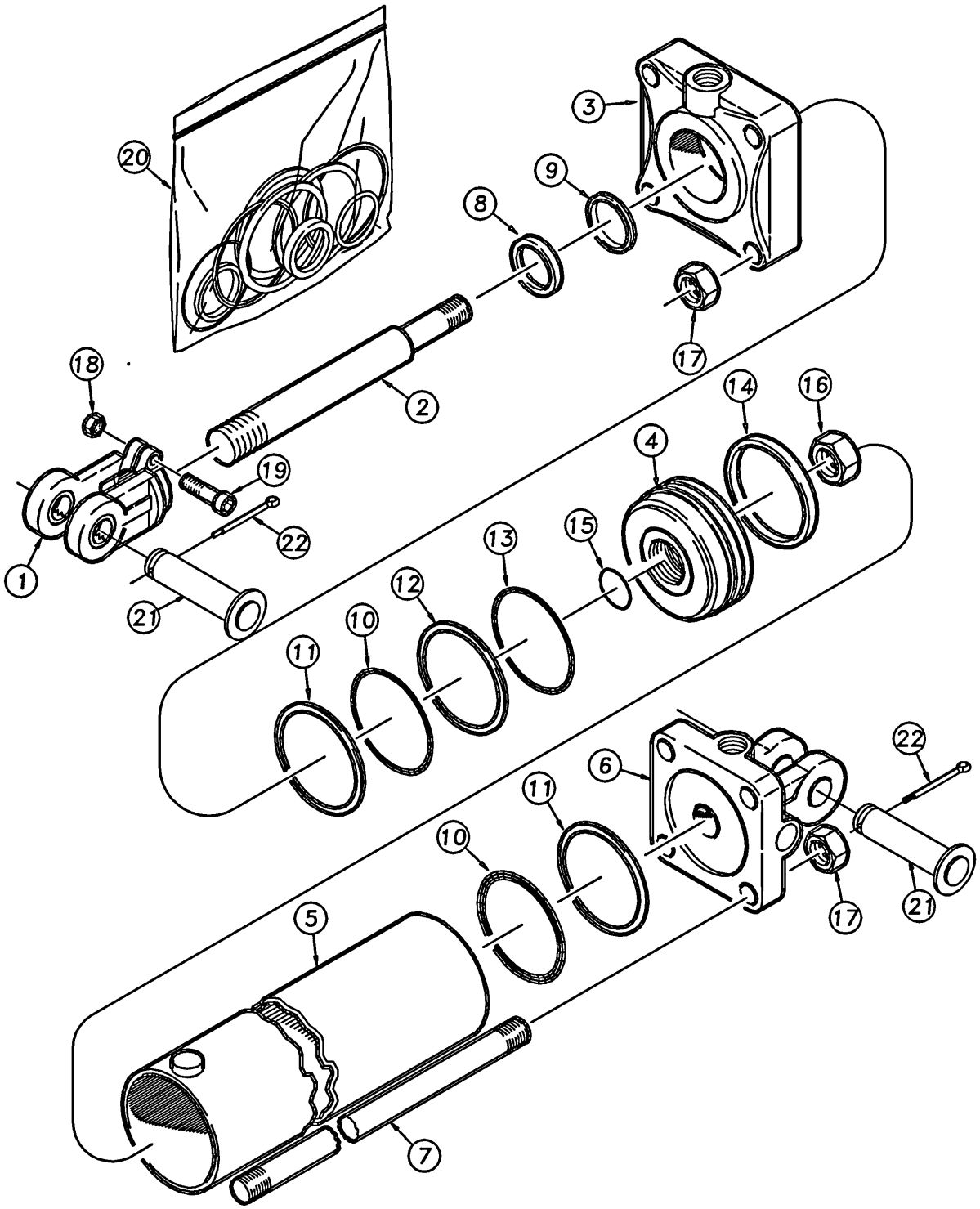
Hydraulic Lift System

(Applies to 1000TM, 850TM only)

Ref.	Part No.	Part Description	Comments	Revision
	dwg43908	Image No.		
1.	810-502C	CYL REP 3.75X10X1.38 ROD (TIE)	Refer to "Hydraulic Cylinder" for breakdown	
2.	810-511C	HYD VALVE DEPTH CONTROL CROSS	Cartridge# 3C7272	
3.	811-203C	PL 3/4MORB HOLLOW HEX		
4.	810-116C	COUNTERBALANCE VALVE MAN. T.T.		
5.	560-536D	DOUBLE HYD TEE BLOCK		
6.	811-088C	AD 3/4MORB 3/4MJIC		
7.	811-063C	EL 3/4MJIC 3/4MORB		
8.	811-690C	EL 45 3/4MORB 3/4MJIC		
9.	841-198C	HH1/2R2 180 3/4FJIC 3/4MORB		
10.	811-340C	HH1/2R2 030 3/4FJIC		
11.	841-870C	HH1/2R2 076 3/4FJIC		
12.	841-579C	HH1/2R2 072 3/4FJIC		
13.	811-279C	HH1/2R2 060 3/4FJIC		
14.	811-826C	HG HANDLE - BLACK EXT		
15.	811-913C	HG HANDLE - BLACK RET		
16.	811-919C	AD 3/4MORB 3/4FORB (HG)		
17.	548-001S	HG PAIR - BLACK MORB-FORB	Includes items 14-16	
18.	811-394C	CP 3/4FORB MALE QD POPPET TYPE		
19.	575-268D	HOSE WRAP,LARGE SIZE,SHORT(8")		

Hydraulic Cylinder (810-502C 3.75X10X1.38 ROD)

(Applies to 1000TM, 850TM only)



41918

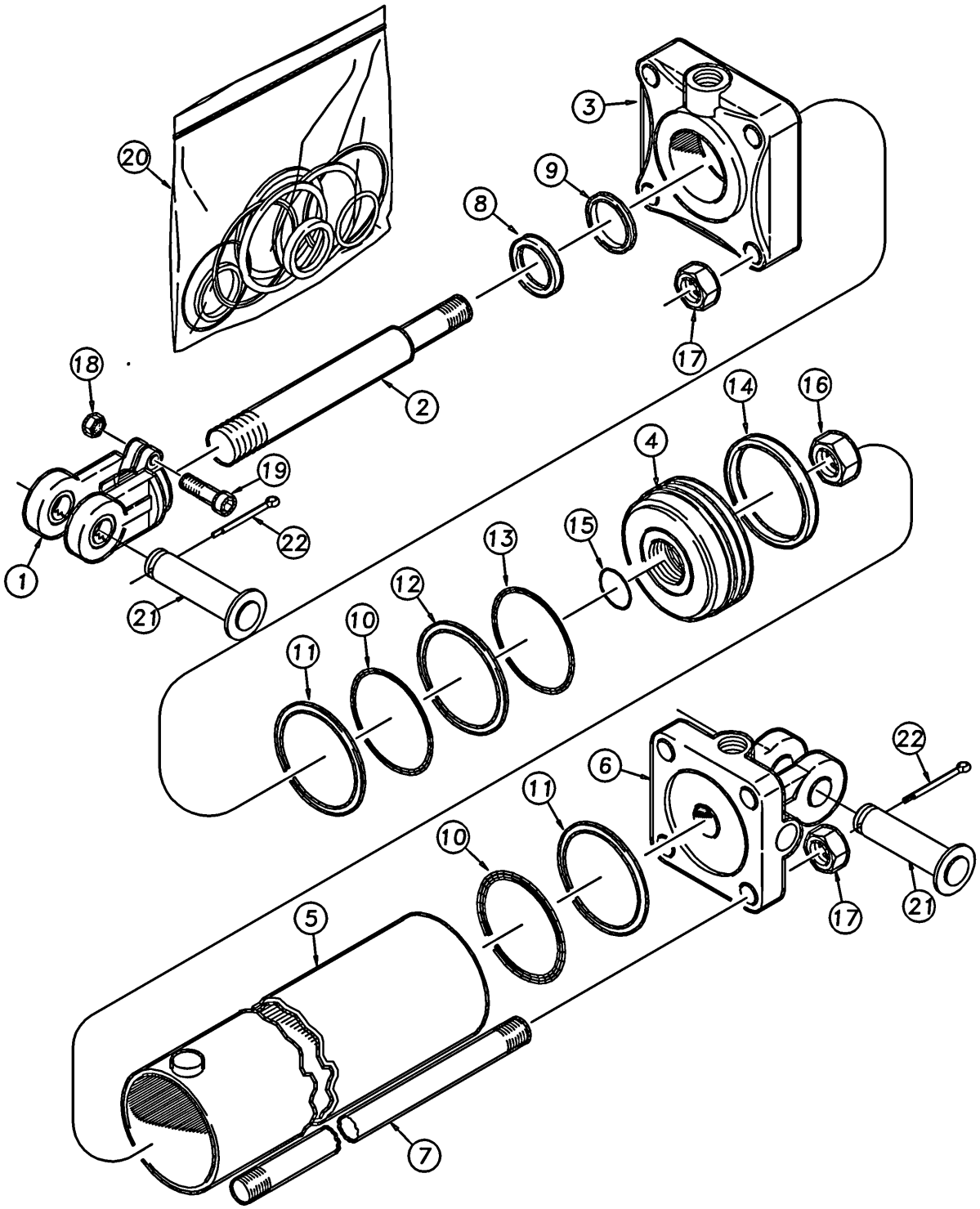
Hydraulic Cylinder (810-502C 3.75X10X1.38 ROD)

(Applies to 1000TM, 850TM only)

Ref.	Part No.	Part Description	Comments	Revision
	dwg41918	Image No.		
1.	1M7016-ADI	MIDWAY HARDENED CLEVIS ADI		
2.	2M6816	MW ROD 1 3/8 DIA		
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 (810-741C 3.25X2.5X1.25 ROD)

(Applies to 1000TM, 850TM only)



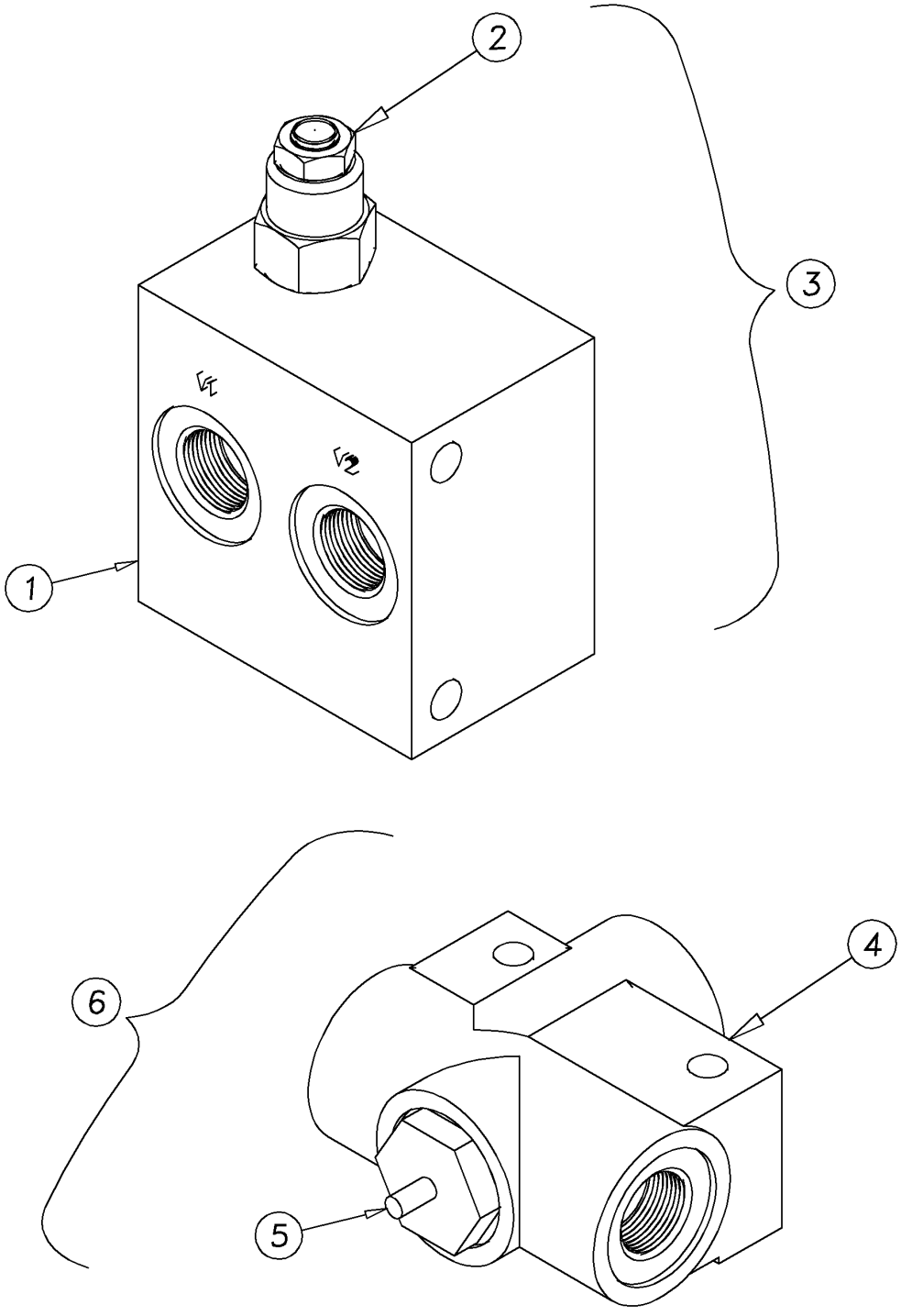
41918

Hydraulic Cylinder (810-741C 3.25X2.5X1.25 ROD)

(Applies to 1000TM, 850TM only)

Ref.	Part No.	Part Description	Comments	Revision
	dwg41918	Image No.		
1.	1M7016-ADI	MIDWAY HARDENED CLEVIS ADI		
2.	2M5408NC	ROD		
3.	3R2440	HEAD		
4.	4R2109	PISTON		
5.	5R2108	TUBE		
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		

(Applies to 1000TM, 850TM only)



69408

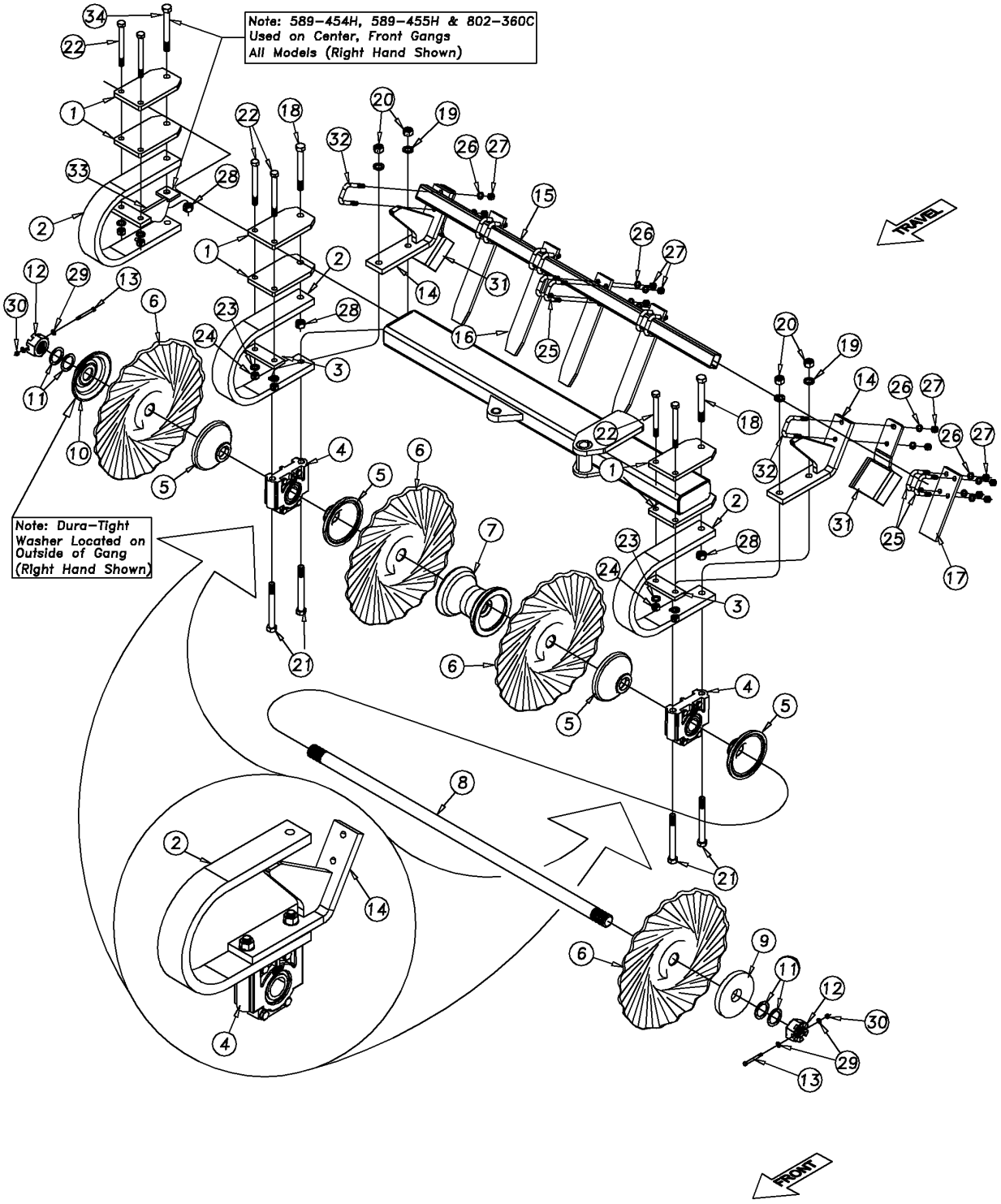
Hydraulic Valves 810-116C & 810-511C

(Applies to 1000TM, 850TM only)

Ref.	Part No.	Part Description	Comments	Revision
	dwgTP-69408			
1.	AB-1535-P	BODY		
2.	CBCG-LJN	CARTRIDGE		
3.	810-116C	COUNTERBALANCE VALVE MAN. T.T.		
4.	70005	BODY		
5.	3C7272	CARTRIDGE		
6.	810-511C	HYD VALVE DEPTH CONTORL CROSS		

Turbo Gang Assembly

(Applies to 1000TM, 850TM only)



43910

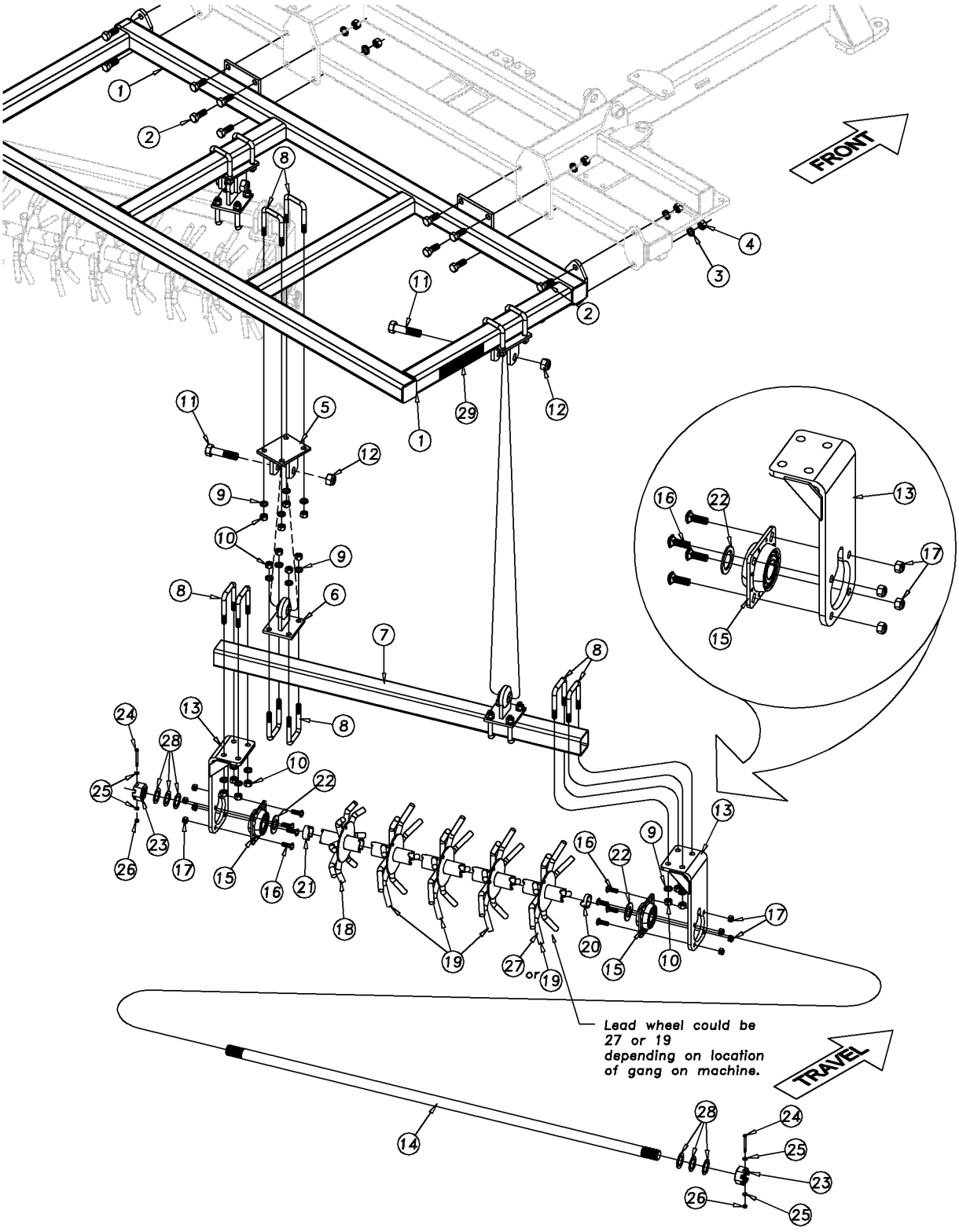
Turbo Gang Assembly

(Applies to 1000TM, 850TM only)

Ref.	Part No.	Part Description	Comments	Revision
	dwg43910	Image No.		
1.	586-182D	GANG MOUNT BRACKET 5/8		
2.	807-229C	C-FLEX BRG HANGER 1X3		
3.	586-186D	GANG BRACKET MOUNT		
4.	822-369C	PEER FD DISK BEARING	(S/N C8809H+)	
4.	822-294C	PEER MF DISK BEARING	Replaced by 822-369C (S/N C8808H-)	
5.	566-004D	HALF SPOOL CAST TC		
6.	820-011C	COULTER TURBO 20X.256X1.78		
7.	566-003D	FULL SPOOL 7 1/2		
8.	567-002D	GANG BOLT - 1.75 X 43.00	6 Blade Gang @ 7 1/2" Space	
8.	567-003D	GANG BOLT - 1.75 X 50.50	7 Blade Gang @ 7 1/2" Space	
8.	567-004D	GANG BOLT - 1.75 X 58.00	8 Blade Gang @ 7 1/2" Space	
9.	586-056D	WASHER FLAT 3/4X6 1/2X3/4 THK		
10.	804-200C	WASHER DURA-TIGHT 1.81ID X 7.0		
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.	586-552H	SCRAPER BAR BRACKET		
15.	567-007D	SCRAPER BAR - 42 1/2	4 Scrapers @ 7 1/2" Space	
15.	567-008D	SCRAPER BAR - 50	5 Scrapers @ 7 1/2" Space	
15.	567-009D	SCRAPER BAR - 57 1/2	6 Scrapers @ 7 1/2" Space	
16.	567-005D	SCRAPER - 15		
17.	586-093D	SCRAPER 9 1/2" TURBOTILL		
18.	802-070C	HHCS 3/4-10X6 GR5	Requires Lock Nut item 28	
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.	802-951C	HHCS 5/8-11X7 GR8		
23.	804-022C	WASHER LOCK SPRING 5/8 PLT		
24.	803-021C	NUT HEX 5/8-11 PLT		
25.	806-005C	U-BOLT 1/2-13 X 2 X 3 GR 5		
26.	804-015C	WASHER LOCK SPRING 1/2 PLT		
27.	803-020C	NUT HEX 1/2-13 PLT		
28.	803-026C	NUT LOCK 3/4-10 PLT		
29.	804-075C	WASHER FLAT 1/4 USS PLT		
30.	803-084C	NUT HEX NYLOCK 5/16-18 PLT		
31.	586-648D	DELTA SCRAPER 7.5 SPACING		
32.	806-167C	U-BOLT 1/2-13 X 2 X 3 1/2 GR 5		
33.	589-454H	GANG STOP BRKT RH	Center, Front Gangs All Models	
33.	589-455H	GANG STOP BRKT LH	Center, Front Gangs All Models	
34.	802-360C	HHCS 3/4-10X6 1/2 GR5	Center, Front Gangs All Models	

Rolling Harrow Assembly

(Applies to 1000TM, 850TM only)



43911

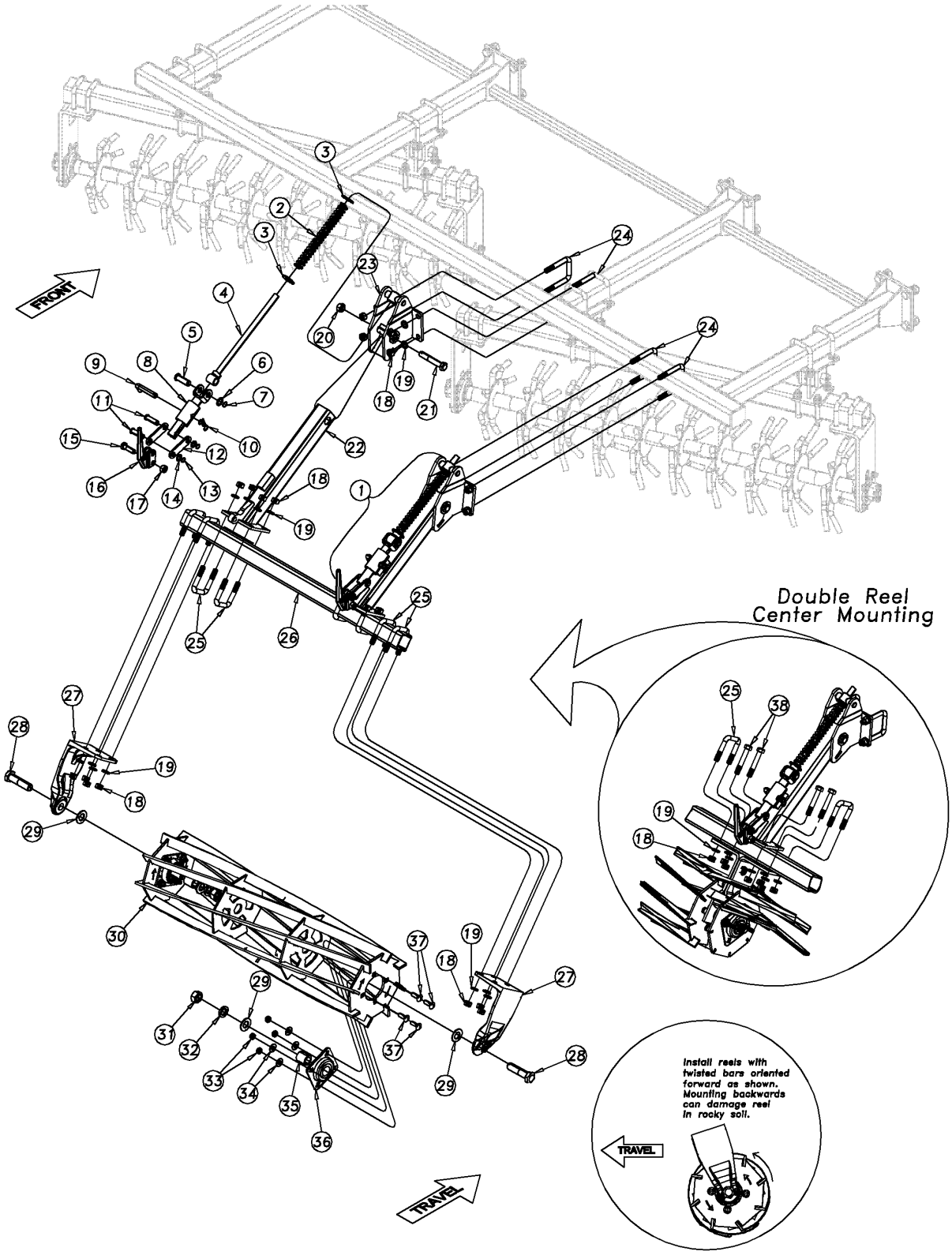
Rolling Harrow Assembly

(Applies to 1000TM, 850TM only)

Ref.	Part No.	Part Description	Comments	Revision
	dwg43911	Image No.		
1.	586-574H	DRAG FRAME 850-1000TM		
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.	589-220H	BRACKET - ROLLING HARROW LH		
6.	589-064H	BALL JOINT BRACKET		
7.	578-003D	ROLLING SPIKE TUBE (64)	Mount Tube for 10 Wheel Gang	
7.	578-004D	ROLLING SPIKE TUBE (70)	Mount Tube for 11 Wheel Gang	
7.	578-005D	ROLLING SPIKE TUBE (76)	Mount Tube for 12 Wheel Gang	
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.	802-098C	HHCS 1-8X4 1/2 GR5		
11.	802-073C	HHCS 1-8X4 GR5	Replaced by 802-098C	
12.	803-038C	NUT HEX 1-8 NYLON INSERT PLT		
13.	589-257H	BEARING HANGER (LONG)		
14.	578-013D	ROLLING SPIKE BOLT (68 1/4)	Shaft for 10 Wheel Gang	
14.	578-014D	ROLLING SPIKE BOLT (74 1/4)	Shaft for 11 Wheel Gang	
14.	578-015D	ROLLING SPIKE BOLT (80 1/4)	Shaft for 12 Wheel Gang	
15.	822-293C	BEARING FLG 1 1/2ID 5 IN SQ		
16.	802-106C	RHSNB 1/2-13X1 1/2 GR5		
17.	803-342C	NUT HEX TOP LOCK 1/2-13PLT		
18.	589-500H	SPIDER WHEEL MED FEATHER		
19.	589-258H	SPIDER WHEEL LARGE		
20.	890-860C	SPIDER WHEEL FRONT SPACER		
21.	890-861C	SPIDER WHEEL REAR SPACER		
22.	804-276C	WASHER .13 X 2.69X 1.53 PLT		
23.	803-301C	NUT HEX SLOTTED 1 1/2-6 PLT		
24.	802-804C	HHCS 1/4-20X2 3/4 GR8 PLT		
25.	804-007C	WASHER FLAT 1/4 SAE PLT		
26.	803-255C	NUT HEX NYLOCK 1/4-20		
27.	589-251H	SPIKE WHEEL SMALL		
28.	804-063C	WASHER MACH 2.25 X 1.50 X 10GA		
29.	838-615C	DECAL AMBER REFLECTOR 2X9	One on each side	

Heavy Reel Following Rolling Harrow Assembly

(Applies to 1000TM, 850TM only)



43912

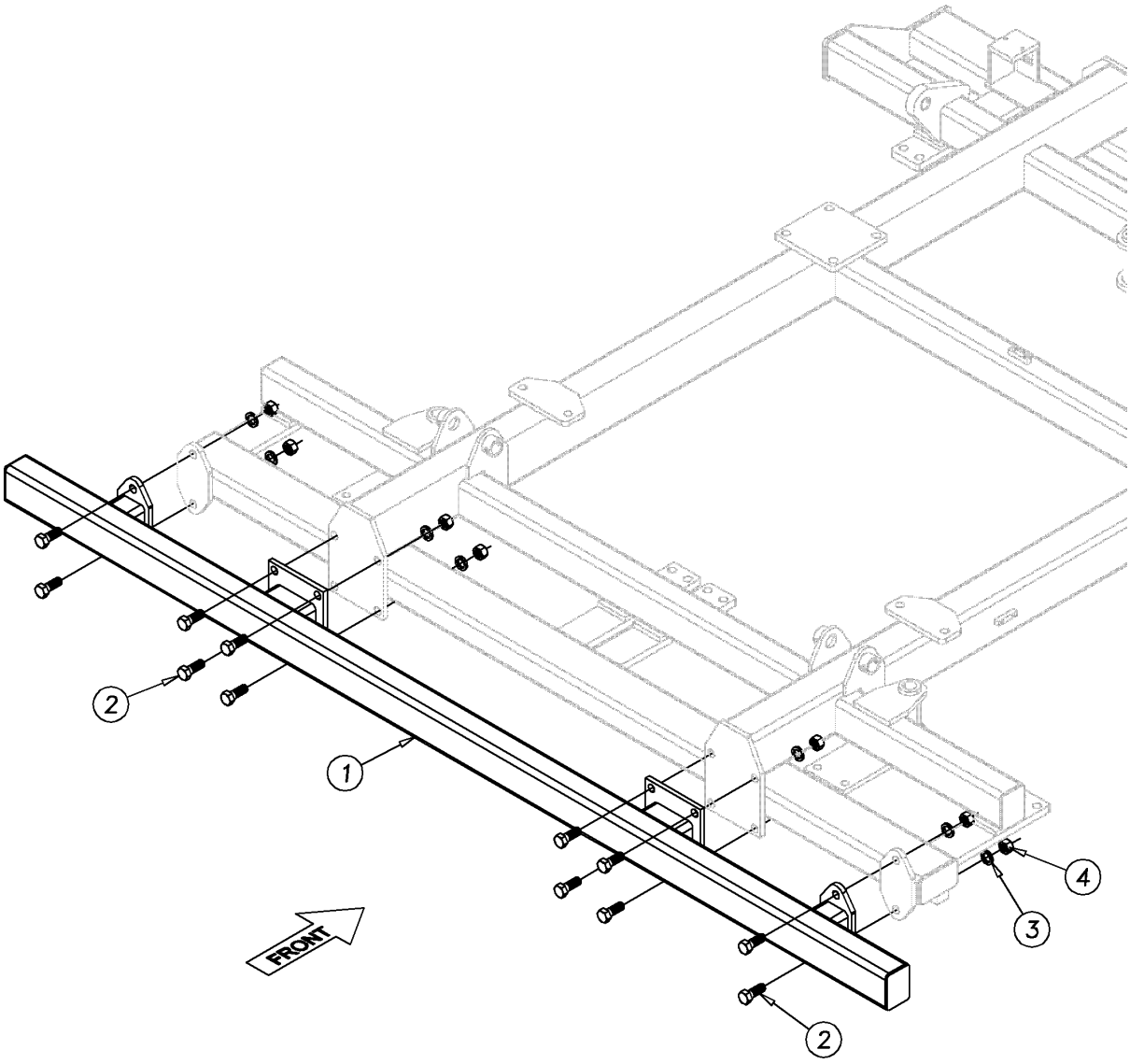
Heavy Reel Following Rolling Harrow Assembly

(Applies to 1000TM, 850TM only)

Ref.	Part No.	Part Description	Comments	Revision
	dwg43912	Image No.		
1.	589-491L	REEL ARM ASSEMBLY		
2.	807-224C	SPRG COM 1.47ODX.31WX11 3/8 BL		
3.	804-024C	WASHER FLAT 3/4 USS PLT		
4.	589-495H	SPRING BOLT		
5.	805-508C	PIN 3/4 X 2-1/8 - SNAP RING		
6.	804-099C	WASHER 1 1/4 X 3/4 X 18 GA PLT		
7.	800-380C	SNAP RING EXT 3/4" .042T		
8.	589-494H	ADJ SLIDE BRACKET		
9.	805-502C	PIN BENT 5/8 X 2 3/4 USBL		
10.	805-503C	BOW-TIE LOCK PIN		
11.	805-507C	PIN CLEVIS 5/8 X 2 - SNAP RING		
12.	589-239D	LINK		
13.	800-045C	SNAP RING EXT 5/8		
14.	804-111C	WASHER MACH 1.00 X .625 X 14GA		
15.	802-055C	HHCS 5/8-11X2 GR5		
16.	589-238D	REEL ARM LEVER		
17.	803-271C	NUT HEX TOP LOCK 5/8-11 PLT		
18.	803-021C	NUT HEX 5/8-11 PLT		
19.	804-022C	WASHER LOCK SPRING 5/8 PLT		
20.	803-026C	NUT LOKCK 3/4-10 PLT		
21.	802-192C	HHCS 3/4-10X4 1/2 GR5		
22.	589-493H	REEL ARM		
23.	589-492H	REEL ARM MOUNTING BRACKET		
24.	806-183C	U-BOLT 5/8-11X3 1/32X4 1/2 SPT		
25.	806-182C	U-BOLT 5/8-11X2 17/32X3 1/2		
26.	575-097D	PART - 10' REEL	Model 850	
26.	575-098D	PART - 11' REEL	Model 1000	
27.	589-219D	REEL MOUNTING BRACKET		
28.	802-073C	HHCS 1-8X4 GR5		
29.	804-029C	WASHER FLAT 1 SAE PLT		
30.	575-989H	5' HD REEL	Models 850 & 1000	
30.	575-990H	6' HD REEL	Model 1000	
31.	803-031C	NUT HEX 1-8 PLT		
32.	804-027C	WASHER LOCK SPRING 1 PLT		
33.	803-342C	NUT HEX TOP LOCK 1/2-13 PLT		
34.	804-016C	WASHER FLAT 1/2 SAE PLT		
35.	575-332D	REEL BRG SPACER		
36.	822-293C	BEARING FLG 1 1/2ID 5 IN SQ		
37.	802-106C	RHSNB 1/2-13X1 1/2 GR5		
38.	802-060C	HHCS 5/8-11X4 GR5		

Rear Attachment Bar (Only)

(Applies to 1000TM, 850TM only)



43913

Rear Attachment Bar (Only)

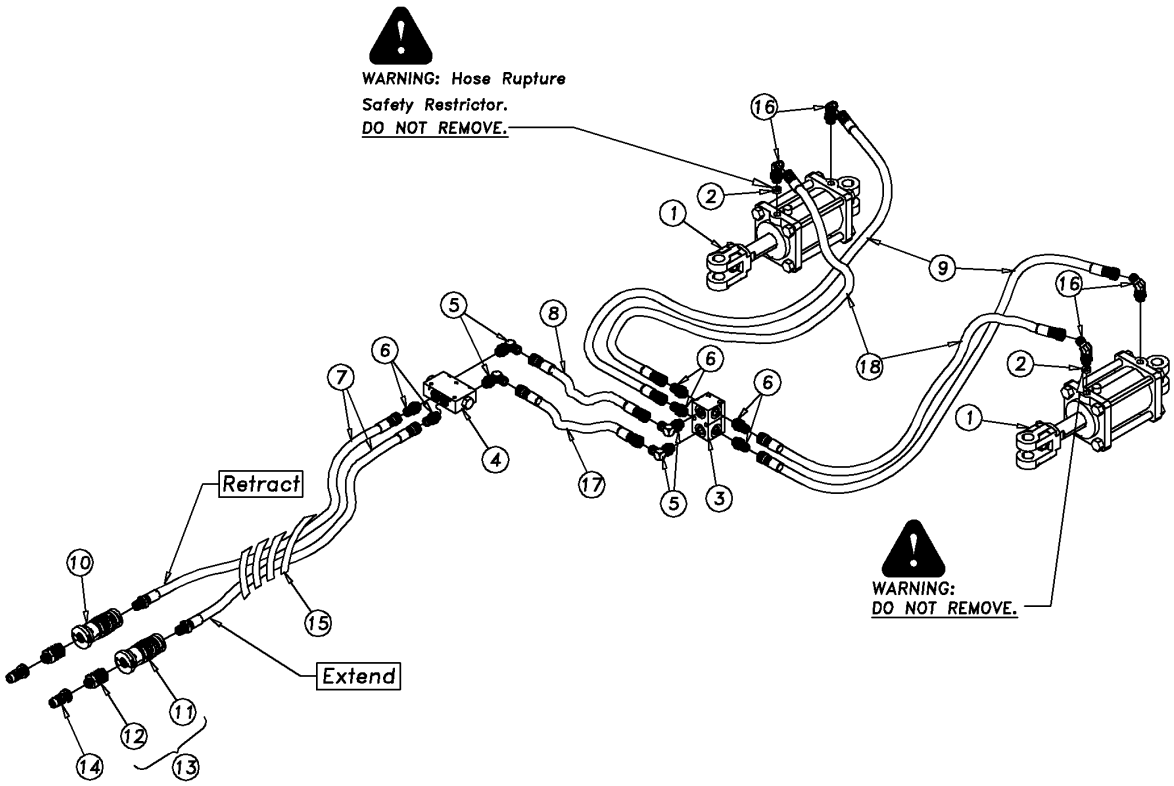
(Applies to 1000TM, 850TM only)

Ref.	Part No.	Part Description	Comments	Revision
	dwg43913	Image No.		
1.	589-535H	ATTACHMENT BAR 1000TM	Model 1000 (Shown)	
1.	589-536H	ATTACHMENT BAR 850TM	Model 850	
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		

Hydraulic Gang Angle System, Optional

(Applies to 1000TM, 850TM only)

IMPORTANT:Refer to Hydraulic Layouts in Operator's Manual for proper hose routing to ensure hydraulics work properly.



43909

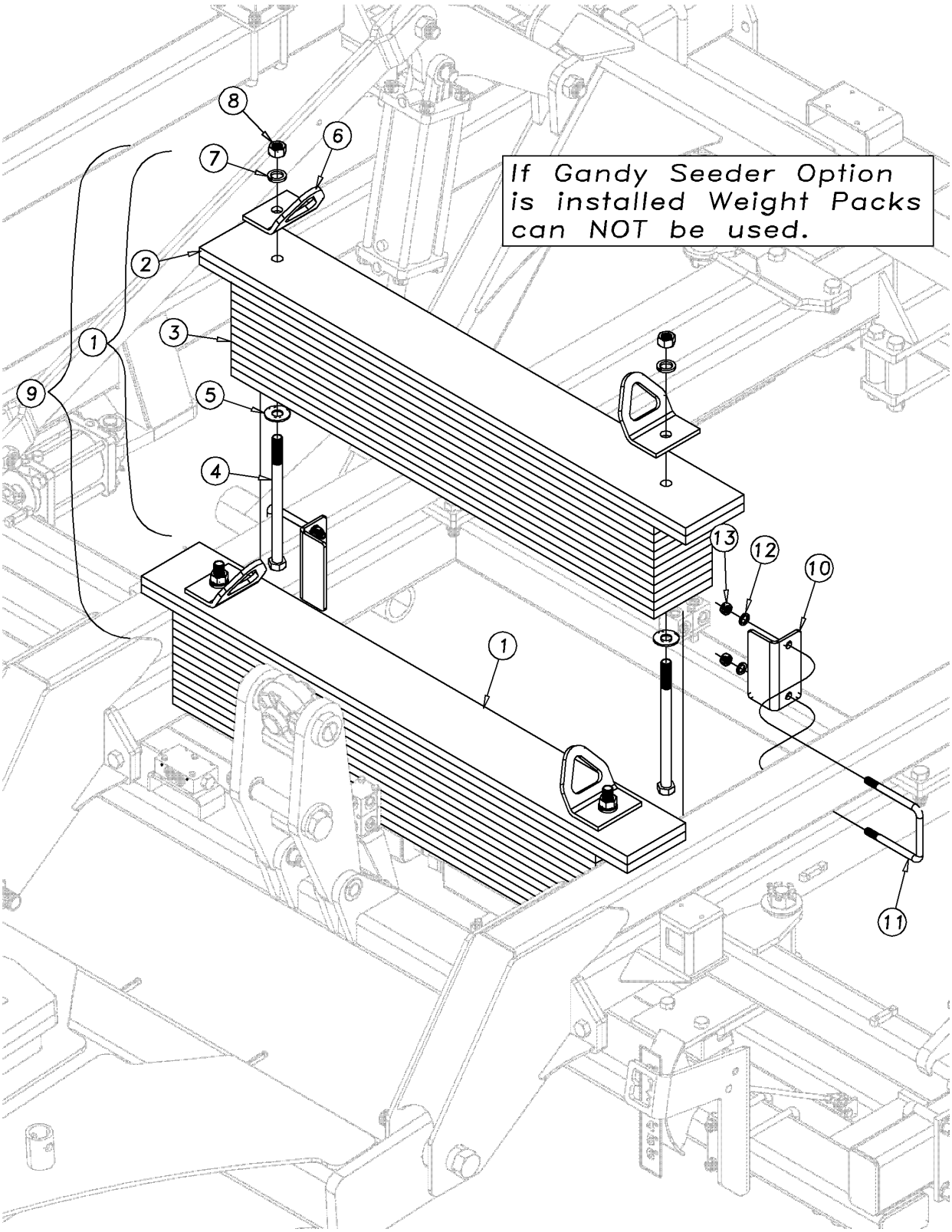
Hydraulic Gang Angle System, Optional

(Applies to 1000TM, 850TM only)

Ref.	Part No.	Part Description	Comments	Revision
	dwg43909	Image No.		
1.	810-741C	CYL REP 3.25X2.5X1.25 ROD(TIE)	Refer to "Hydraulic Cylinder" for breakdown	
2.	196-430D	ORIFICE PLATE 1/16 3/4	Rod End Port Only	
3.	560-536D	DOUBLE HYD TEE BLOCK		
4.	810-599C	LOCK VALVE		
5.	811-063C	EL 3/4MJIC 3/4MORB		
6.	811-088C	AD 3/4MORB 3/4MJIC		
7.	811-879C	HH3/8R2 179 3/4MORB 3/4FJIC		
8.	811-640C	HH3/8R2 016 3/4FJIC		
9.	811-685C	HH3/8R2 048 3/4FJIC		
10.	811-827C	HG HANDLE - RED RET		
11.	811-914C	HG HANDLE - RED EXT		
12.	811-919C	AD 3/4MORB 3/4FORB (HG)		
13.	548-002S	HG PAIR - RED MORB-FORB	Includes items 10-12	
14.	811-394C	CP 3/4FORB MALE QD POPPET TYPE		
15.	575-268D	HOSE WRAP,LARGE SIZE,SHORT(8")		
16.	811-690C	EL 45 3/4MORB 3/4MJIC		
17.	811-686C	HH3/8R2 012 3/4FJIC		
18.	811-726C	HH3/8R2 044 3/4FJIC		

Weight Package, Optional

(Applies to 1000TM, 850TM only)



43107

Weight Package, Optional

(Applies to 1000TM, 850TM only)

Ref.	Part No.	Part Description	Comments	Revision
	dwg43107	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		
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