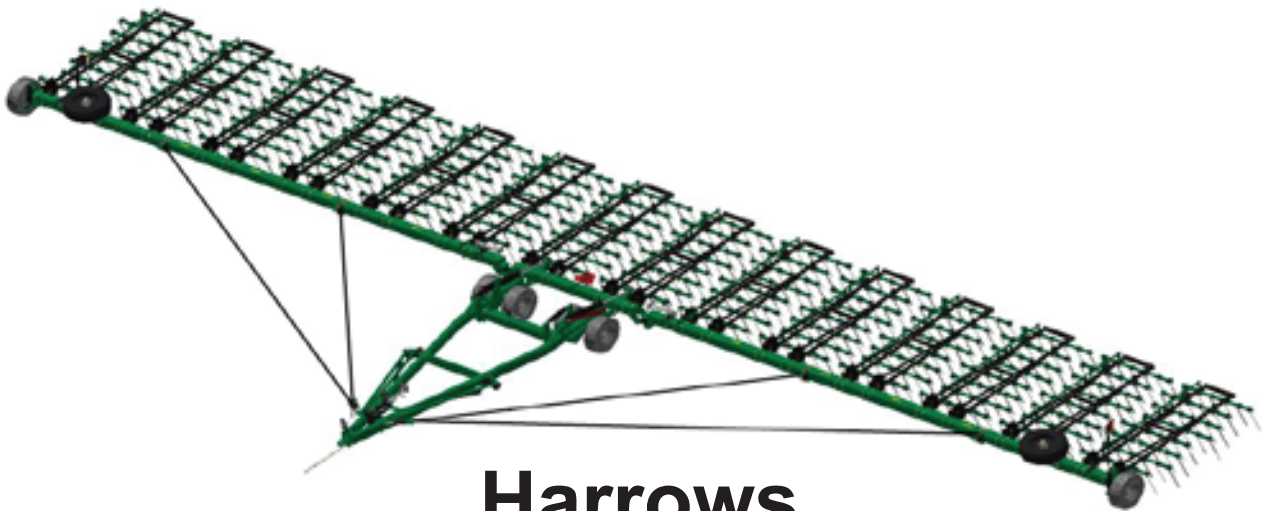


SUMMERS[®]

Operator's Manual



Harrows

IMPORTANT

THE OPERATOR IS RESPONSIBLE FOR ADJUSTING THE MACHINE SINCE MACHINE DOES NOT COME "FIELD READY" FROM FACTORY.



CAUTION

READ & UNDERSTAND OPERATOR'S MANUAL BEFORE USING MACHINE.

See www.summersmfg.com for latest version of all Summers Operator's Manuals.

SUMMERS MANUFACTURING CO., INC.

WEB SITE: www.summersmfg.com

DEVILS LAKE, NORTH DAKOTA 58301

(701) 662-5391

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Preface

This manual is intended for use with Harrows from Summers® Manufacturing Company, Inc.

This book is composed of these basic sections: Safety, Operation & Maintenance, Troubleshooting and Parts. The safety section provides complete instructions for the proper safe operation of a Summers Mfg. product. The Operation & Maintenance section provides information for the proper operation and maintenance. A complete parts breakdown is provided in the Parts section.

Parts are referenced in each drawing with the Summers Manufacturing part number. Use this part number when ordering replacement parts from your Summers dealer. See the back section of the manual for description of each part.

Reference to “Right” and “Left” in this book is determined when the machine is viewed from the rear.

Disclaimer

It is the policy of this company to improve its products whenever possible and practical to do so. We reserve the right to make changes or improvements in the design or construction of parts at any time without incurring the obligation to install such changes on products previously delivered.

Summers Manufacturing Company, Inc. strongly recommends that each operator READ and UNDERSTAND the Operator’s Manual before using the machine. In addition, the Operator’s Manual should be REVIEWED at least Annually thereafter.

Contact Information

Summers Manufacturing Company, Inc.

103 Summers St. NW

Devils Lake, ND 58301

Toll Free: 1-800-732-4392

Local: 1-701-662-5391 (Devils Lake, ND)

1-605-226-3644 (Aberdeen, SD)

www.summersmfg.com



Owner Registration Information

Bring this information when ordering parts (Serial Number is located at front of hitch).

Name _____

Size _____

Address _____

Serial Number _____

City _____

(located by the hitch)

State/Prov. _____

Date Purchased _____

Mail Code _____

Dealer _____

WARRANTY

Summers warrants only products of its manufacture against operational failure caused by defective materials or workmanship which occur during normal use within 36 months from the date by the end user from Summers' dealer.

Summers' obligation is to replace, free of charge, any part of the product that Summers inspection shows to be defective excluding transportation charges to Devils Lake, ND and return and also excluding all transportation costs from Summers' dealer to the dealer's customer and all other costs, such as removal and installation expense.

Summers shall not be liable for loss of time, manufacturing costs, labor, material, loss of profits, consequential damages, direct or indirect, because of defective products whether due to rights arising under the contract of sale or independently thereof, and whether or not such claim is based on contract, tort or warranty.

Written permission for any warranty claim return must be first obtained from authorized Summers' personnel. All returns must be accompanied with a complete written explanation of claimed defects and the circumstances of operational failure.

Written warranty for all component parts used in the manufacture of Summers products is available upon request. Warranty of such component parts will be determined by said component manufacturer upon their inspection of the claimed defective part.

This express warranty is the sole warranty of Summers. There are no warranties, which extend beyond the warranty therein expressly set forth. The sales for products of Summers under any other warranty or guarantee express or implied is not authorized. This warranty voids all previous issues.

Summers® Manufacturing Co., Inc.
Devils Lake, ND 58301

01/16

Safety Information



This safety alert symbol is used to denote possible danger and care should be taken to prevent bodily injury. When you see this symbol it means ATTENTION, BECOME ALERT! and/or YOUR SAFETY IS INVOLVED!

WARNING: Safe practices must be followed when working on or operating this equipment. All personnel involved must:



- Read and understand the instructions and manuals for this machine.
- Be instructed in the safe use of tools and all lifting devices involved in the assembly of this equipment.
- Clear the area of all personnel not involved in the assembly of this machine.

General Safety Practices

1. READ and UNDERSTAND the Operator's Manual before using any equipment. Review at least annually thereafter.
2. VERIFY all safety devices and shields are in place before using any equipment.
3. KEEP hands, feet, hair and clothing away from moving parts.
4. STOP engine, place all controls in neutral, set parking brake, remove ignition key and wait for all moving parts to stop before servicing, adjusting, maintaining or unplugging.
5. BE CAREFUL when working around high pressure hydraulic system.
6. DO NOT ALLOW RIDERS.

Safety During Transportation

1. ONLY TOW at a safe speed. Use caution when making corners and meeting traffic.
2. USE safety chain between tractor drawbar and implement hitch when transporting on public roads.
3. ALWAYS use transport locks when transporting on public roads.
4. COMPLY with local lighting, marking and oversize regulations when transporting on highways.
5. FREQUENTLY check for traffic from rear, especially during turns.

Safety Decals



Indicates an immediate hazardous situation that will result in death or serious injury. The color associated with Danger is RED.



Indicates a potentially hazardous situation that could result in death or serious injury. The color associated with Warning is ORANGE.



Indicates a potentially hazardous situation that may result in minor or moderate injury. It may also be used to alert against unsafe practices. The color associated with Caution is YELLOW.

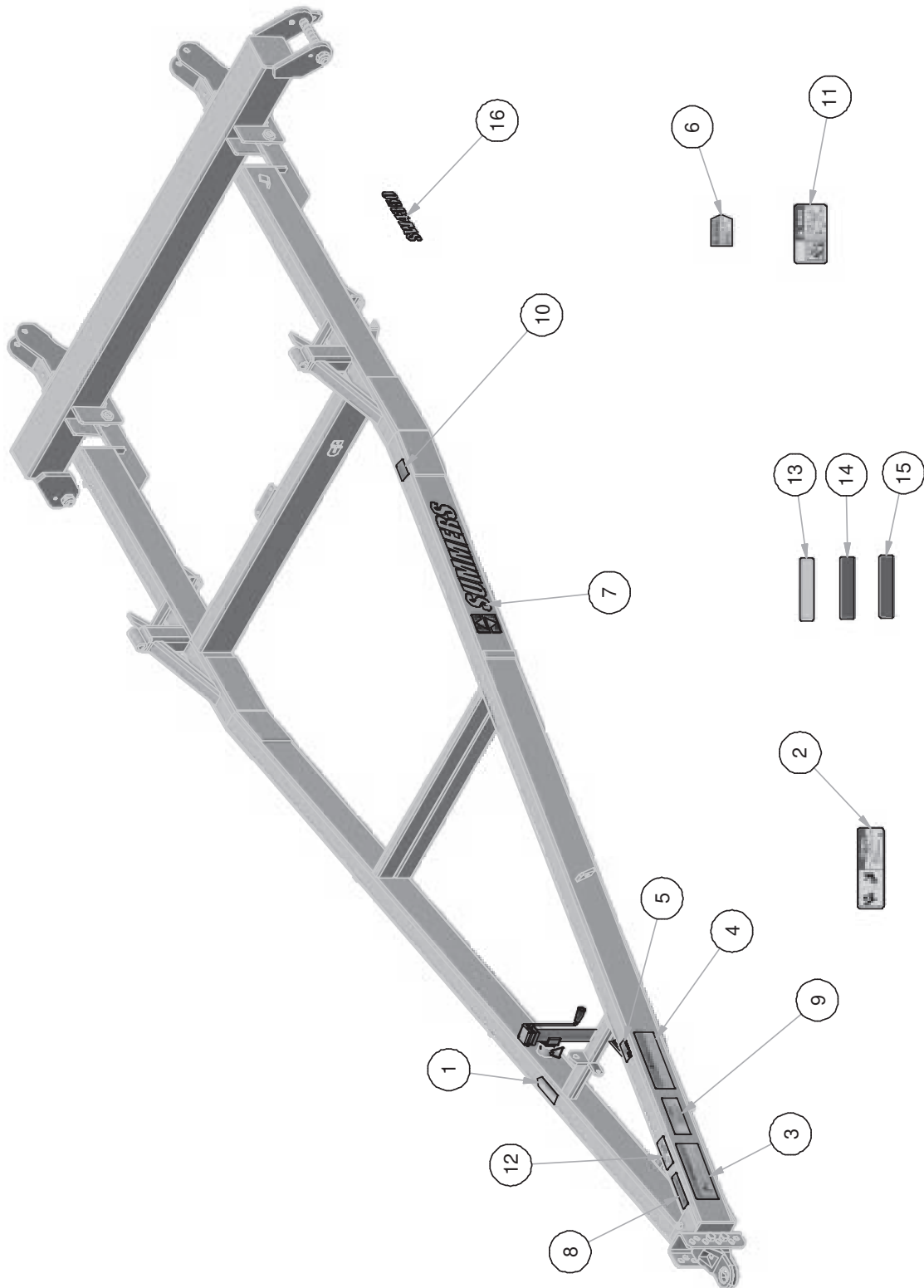
The Notice decals and statements in this manual are to inform the operator of the correct fluids or operational practices for this machine. Failure to follow these notices will result in damage to the machine. The color associated with Notice is GREEN.

1. Keep safety signs clean and legible at all times.
2. Replace safety signs that are missing or have become illegible.
3. Replaced parts that displayed a safety sign should also display the current sign.
4. Safety signs are available from your dealer's parts department or the factory.

How to install safety signs?

1. Be sure that the installation area is clean and dry.
2. Be sure the temperature is above 50° F (10° C).
3. Decide on the exact position before removing the backing paper.
4. Remove the smallest portion of the split backing paper.
5. Align the sign over the specified area and carefully press the small portion with the exposed sticky backing in place.
6. Slowly peel back the remaining paper and carefully smooth the remaining portion of the sign in place.
7. Small air pockets can be pierced with a pin and smoothed out using the piece of sign backing paper.

DECALS



9HD0880.iam/SH DECALS

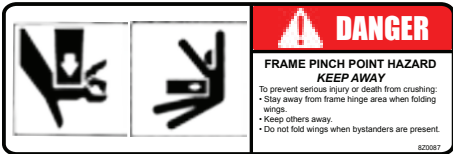
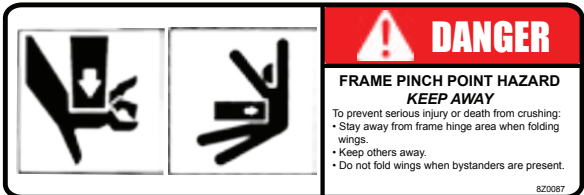
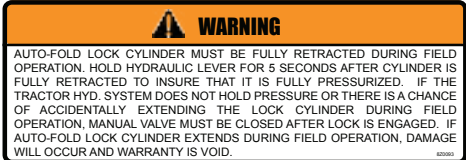
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Safety Decal Locations

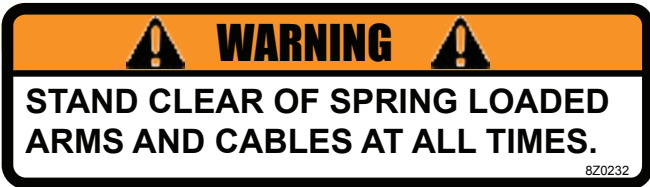
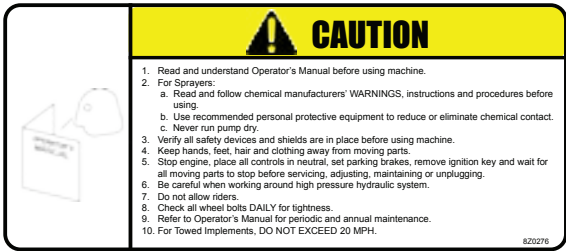
The types of safety signs and locations on the equipment are shown in the illustrations below. Good safety requires that you familiarize yourself with the various safety signs, the type of WARNING and the area or particular function related to that area, that requires your SAFETY AWARENESS.

IMPORTANT: If Safety Signs have been damaged, removed, become illegible or parts replaced without safety signs, new signs must be applied. New safety signs are available from your authorized dealer.

Safety Decals

DECALS				
ITEM	PN	QTY	DESCRIPTION	
1	8Z0075	1	TRANSPORT LOCK DECAL	
2	8Z0087	2	"WARNING" PINCH POINT	
3	8Z0092	1	"WARNING" HITCH DECAL	
3	8Z0093	1	"WARNING" AUTO-FOLD DECAL	
4	8Z0100	1	MADE IN THE USA DECAL	

Safety Decal Locations (cont'd)

5	8Z0102	1	"IMPORTANT" REAR JACK(S)	
6	8Z0204	2	5.5" SUMMERS DECAL	
7	8Z0232	1	"WARNING" AUTO-FOLD DECAL	
8	8Z0276	1	GENERAL MACHINE CAUTION DECAL	
9	8Z0342	1	INSTALL CYL LOCKS DECAL	
10	8Z0344	1	WING DANGER DECAL	

Safety Decal Locations (cont'd)

11	8Z0346	1	ELECTROCUTION-TILLAGE EQUIP. DECAL	  DANGER TO AVOID INJURY OR DEATH DO NOT CONTACT ELECTRICAL LINES. 8Z0346
12	8Z0800	14	REFLECTOR - YELLOW - ADHESIVE BACKED	
13	8Z0805	4	REFLECTOR - RED-ORANGE ADHESIVE BACKED	
14	8Z0810	6	REFLECTOR - RED - ADHESIVE BACKED	

Safety Light Operation

Figure 1

The Summers Safety Light Kit is equipped with a 7 pin connector which meets SAE J560 specification. To protect 7 pin connector, store in dust cap (8K8067) when not attached to towing vehicle.



General Safety Practices

NOTE: Read the entire section before beginning work.

- **YOU ARE RESPONSIBLE** for the safe maintenance of the machine.
- **DO NOT ALLOW CHILDREN** or other unauthorized people within the machine's operational area.
- **WEAR PERSONAL PROTECTIVE EQUIPMENT** which includes a hard hat, eye protection, work gloves and steel toed boots with slip resistant soles.
- **DO NOT MODIFY** the equipment or substitute parts in any way. Unauthorized modifications may impair the function and/or safety of the machine.
- **USE SUITABLE LIFTING DEVICE** for components which could cause personal injury.
- **BLOCK UP ANY RAISED PART** of the machine. Be sure machine is stable after blocking.
- **ALWAYS INSPECT LIFTING CHAINS AND SLINGS** for damage or wear.
- **BE SURE LIFTING DEVICE IS RATED TO HANDLE THE WEIGHT.**
- **STOP ENGINE** and place all controls in neutral, set parking brake, remove ignition key and wait for all moving parts to stop before servicing or adjusting.
- **BE SURE PRESSURE IS RELIEVED** from hydraulic circuits before servicing machine.
- **USE EXTREME CARE** when assembling, servicing or adjusting.
- Never unhitch a machine that has been opened up into field position but has not been completely lowered to the ground.
- Always park machine in a level area, block hitch and transport tires so machine cannot roll.
- Always be sure transport locks are engaged when making adjustments on machine in raised or transport position.
- Never allow auto-fold lock cylinder to extend during field operation, **damage will occur.**

TRANSPORT TO FIELD POSITION

1. Hitch machine to tractor drawbar using a locking hitch pin and safety chain. Connect hydraulic hoses and wiring. Retract jacks and rotate into storage position.
2. Select a level area to lower machine into field position.
3. **IMPORTANT:** Remove transport locks. Store locks in storage guide.
4. Back up machine slowly, maneuvering so wings open evenly. If wings do not open evenly, pull ahead and repeat procedure. Cables must not catch on machine while backing up. If cable becomes caught on machine, drive forward until wings are in transport position and carefully unhook cable from obstruction.
5. Open wings until auto-fold arms rest on hitch and cables become slack. Fully retract auto-fold lock cylinder until auto-fold arms are locked in place.
6. Extend main lift cylinders to lower machine into field position. If pull cables become tight before transport wheel is off the ground, back up to provide slack in cable.

FIELD TO TRANSPORT POSITION

1. Stop in a level area and back tractor up to provide slack in pull cables.
2. Open manual lock valve on auto-fold lock cylinder. Fully extend auto-fold lock cylinder.
3. Fully retract hydraulic depth adjustment cylinders.
4. Fully retract lift cylinders to raise sections.
5. While machine is resting on its transport wheels, drive tractor forward. Wings should fold to transport position. **NOTE:** Transport wheels must rotate against “toe-in” adjustment bolts and follow directly behind knuckles. Transport wheel “toe-in” can be adjusted by moving outside 3/4” adjustment set screws. “Toe-in” and proper lubrication of pivot will make it easier to unfold machine into field position.
6. **IMPORTANT:** Install transport locks.

HYDRAULIC DEPTH ADJUSTMENT (HDA)

To set depth, install stroke control collars (purchase locally) on HDA cylinders located on hitch. Collars of identical thickness must be installed on both cylinders. Rephasing cylinders are used for hydraulic depth adjustment. Do not operate HDA cylinders fully extended. Immediately after fully raising hydraulic depth adjustment cylinders, quickly lower 1/2”. If hydraulic depth adjustment cylinders are left in fully raised position, they will settle. If machine has settled unevenly, fully extend hydraulic depth adjustment cylinders and hold hydraulic lever until machine levels. After it levels, quickly lower 1/2”.

SECTION ADJUSTMENT

Section down pressure can be adjusted hydraulically by adjusting lift cylinders or manually by adjusting the lift cylinder adjustment bolt (8K1720). Down pressure on wing sections can be increased by replacing the top spacer tubes 8HD0510 with 8HD0520. Lower stop bushings can also be replaced with 8HD0520 to adjust individual sections so the machine operates more evenly.

If lift arms run high in back:

1. Adjust front bar teeth to a less aggressive setting using front adjustment bar.
2. Adjust all teeth to a less aggressive setting.
3. Raise entire section with hydraulic depth adjustment.

If all lift arms run low in the back:

1. Adjust front bar teeth to a more aggressive setting using front adjustment bar.
2. Adjust all teeth to a more aggressive setting.
3. Lower entire section with hydraulic depth adjustment.

CABLE PULL BRACKETS

Under severe conditions (heavy machine draft due to deep penetration or high field speed), cable pull brackets may slide on drawbar wing tube, resulting in improper cable adjustment. The recommended solution for this is to relocate cable pull brackets at desired position then either purchase 8C2261 with the required hardware or to weld a stop on the drawbar next to cable pull brackets.

HYDRAULIC TINE ANGLE (HTA)

To set harrow tine angle, extend or retract cylinders to correct position for field conditions. There must be pressure on harrow tines for cylinders to extend and retract properly. HTA is operated with a master-slave hydraulic system. Each cylinder has rephasing slots located at rod end of barrel. When cylinder is fully extended, these slots allow oil to flow through ensuring that all cylinders are fully extended. If HTA cylinders are not extended equally during field operation, fully extend cylinders and hold hydraulic lever for additional 10 seconds. Do not allow hydraulic lever to return to neutral position. Immediately retract cylinders to desired tine angle. HTA cylinders should not be operated in a fully extended position. Immediately retract 1/2" after full extension.

Daily Maintenance:

Check all wheel and frame bolts for tightness.

Daily Greasing:

2 on each knuckle

1 on each transport axle

2 on each auto-fold arm

2 on hitch hydraulic depth adjust pillow block castings 8R6065 - *machines with HDA*

Weekly Greasing:

2 on each packer bearing (one stroke only) -*machines with coils*

Weekly Maintenance:

Inspect wheel bearings for tightness.

Seasonal Maintenance:

Disassemble, clean and repack wheel bearings.

Lubricate all zerks with a good grade of general purpose grease.

Inspect entire machine for loose or worn parts and fasteners. Tighten or replace as required.

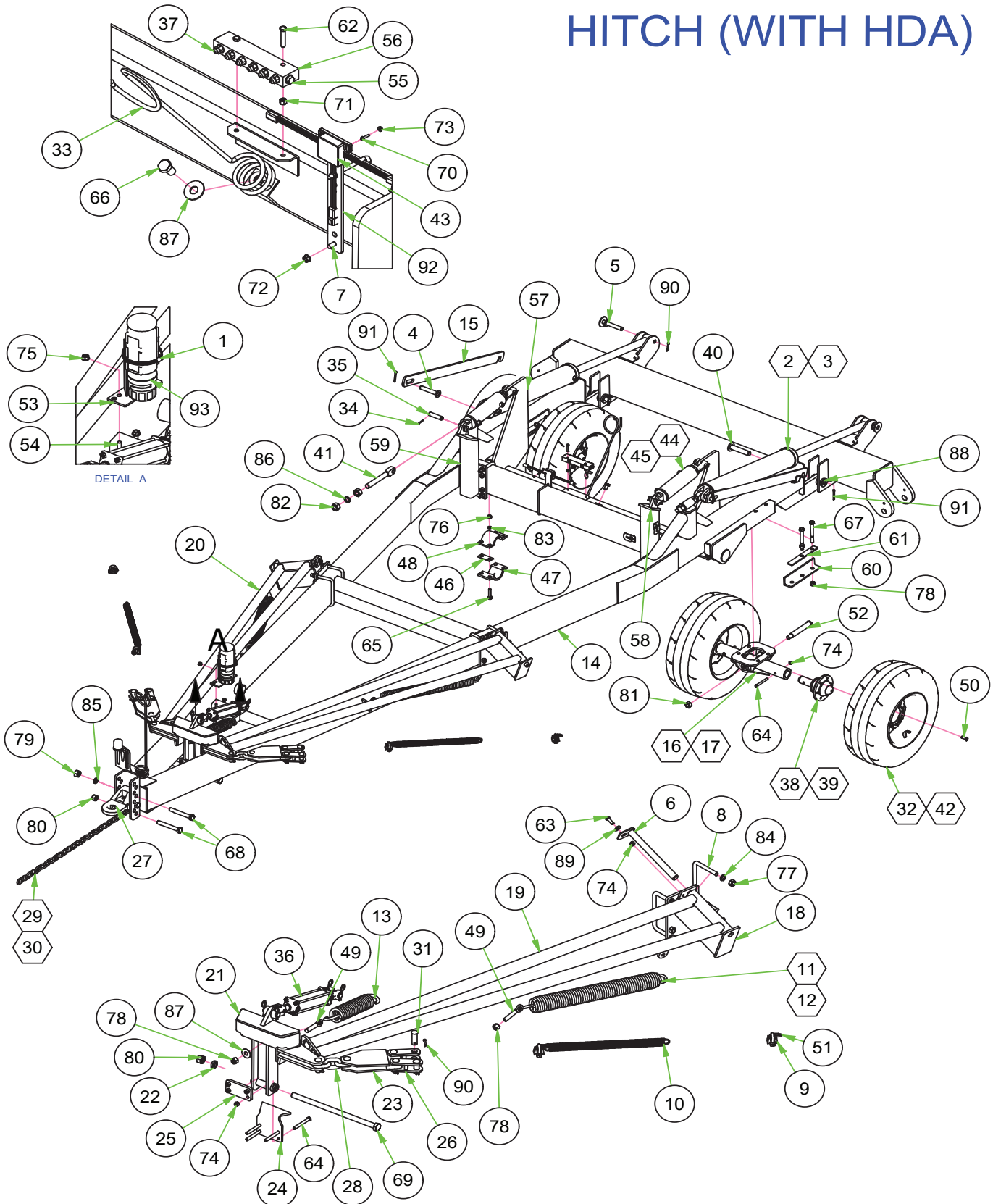
Coat extended cylinder rods with grease to prevent corrosion. Remove before retracting cylinders.

TIRE INFLATION:

Field Tires:	11L X 15 LRF – 80 PSI	Transport Tires:	LT 265 75 R16 – 80 PSI
	IF 280 70 R15 – 64 PSI		340 65 R18 – 73 PSI
	340 60 R16.5 – 73 PSI		425 65 R22.5 – 120 PSI

PROBLEM	CORRECTION
Wings trail too far apart in transport position	Adjust transport wheel toe-in
Wings are not pulling evenly in field position	Relocate cable pull brackets so wings lead center slightly
Auto-fold arms do not rotate into transport position	Adjust pivot bracket with bolts to provide clearance between hitch tube and auto-fold arms
Wings of machine bounce excessively	Inflate tires to proper pressure
Harrow packer sections not level	Adjust top pull chain by pinning in different hole on lift arm

HITCH (WITH HDA)

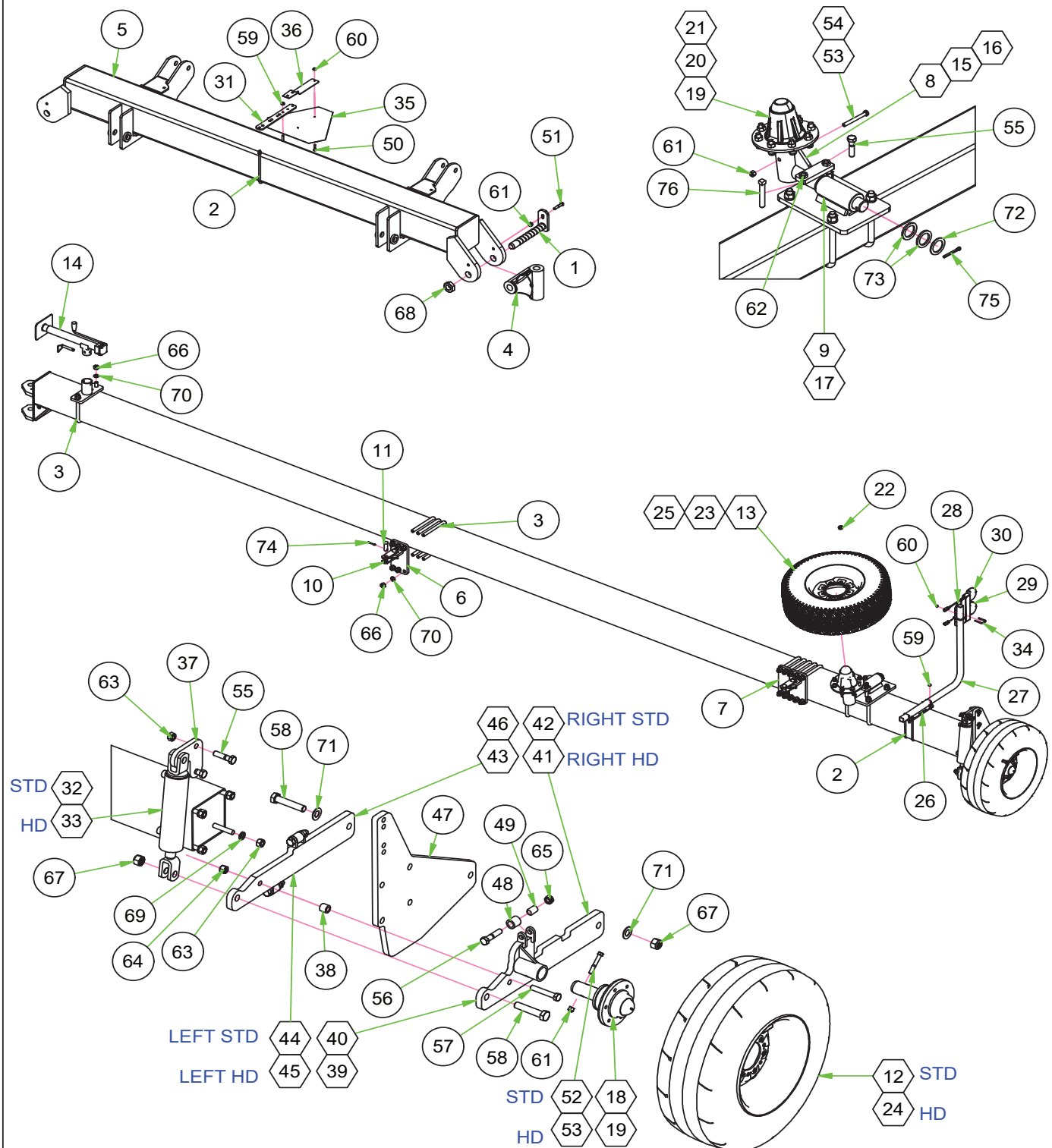


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9HD6872.iam/ HITCH (WITH HDA)

ITEM	PN	DESCRIPTION	ITEM	PN	DESCRIPTION
1	8A1004	CLAMP HOSE 5" #72	49	8R6145	EYEBOLT 3/4"-10NC X 5/8"EYE
2	8C0432	HYD CYL 4" X 32" 3000PSI	50	8R6914	BOLT WHEEL 9/16"-18 UNF- 1.25"
3	8C0532	HYD CYL 5" X 32" 3500PSI	51	8S1076	QUICKLINK 1/4" YELLOW ZINC
4	8C1420	PIN 1 X 5-7/8" 22'HTCH PLTD	52	8T3300	BOLT PIVOT CHSLTRP&WNGFLT YZ
5	8C1452	PIN 1 X 6-1/2" CYL DBLWSHR	53	8T4385	HOLDER MANUAL-PAK
6	8C1470	PIN 1-1/4 X 14" PIVOT	54	8W1204	U-BOLT 1/2 X 3 X 3" SQ
7	8C1702	U-BOLT 3/8 X 8 X 5" SQ	55	8W1357	HEX HEAD PLUG 9/16"-18 ORB
8	8C1760	U-BOLT 3/4 X 8-1/16 X 6" SQ	56	8W1360	MANIFOLD BLOCK ALUMINUM 10P
9	8C1900	CLAMP 1/2" WIRE ROPE	57	8W1850	HITCH PIVOT ASSY 22' HDA
10	8C1920	SPRING AFLDCABL 1.56"OD GLVNZD	58	8W1860	CYL ATTCH HTCH UBLT LEFT
11	8C1940	SPRING AUTOFOLD ARM RAW	59	8W1862	CYL ATTCH HTCH UBLT RGHT
12	8C1942	SPRING AFLD ARM 3.075"OD RAW	60	8W1884	L UHMW 2.5X2.5X3/8- 13" W/HLS
13	8C1950	SPRING AFOLD LOCK 3"OD BLACK	61	8W1886	FLAT 5/16X 1.5 - 11-3/8"
14	8C2200	22' HITCH	62	8X0008	BOLT 3/8-16NC X 2" GR5 ZDI
15	8C2246	TRNSPRT LOCK 1/2X3X32"CYL	63	8X0063	BOLT 1/2-13NC X 1-1/2" GR5 YZ
16	8C2314	OSCILLATING AXLE ASSY	64	8X0074	BOLT 1/2-13NC X 4-1/2" GR5 ZDI
17	8C2329	ASSY OSC AXLE WO/HUBS614HD 16-	65	8X0092	BOLT 5/8-11NC X 2-3/4" GR5 YZ
18	8C2620	PIVOT BRCKT A-FLD 22'HTCH	66	8X0110	BOLT 3/4-10NC X 1-1/4" GR5 YZ
19	8C2630	ARM A-FLD LEFT 20&22'HTCH	67	8X0121	BOLT 3/4-10NC X 6-1/2" GR5 YZ
20	8C2635	ARM A-FLD RGHT 20&22'HTCH	68	8X0140	BOLT 1-8NCX7" W/1.5"THDGR5 YZ
21	8C2650	LOCK ASSY AUTOFLD 22'HTCH 90-	69	8X0150	BOLT 1-8NC X 20" GR5 YZ
22	8C2660	BUSHING A-FOLD LOCK- 5/16"	70	8X0170	SCREW 8 X .75" FLANGE HD
23	8C2690	FRONT ATTCH DUAL CABLE	71	8X0202	NUT 3/8"-16NC NY-LOCK GR2 YZ
24	8C2700	A-FLD ARM LIFTER	72	8X0203	NUT 3/8"-16NC SERFLANG GR2 YZ
25	8C2710	A-FLD ARM LFTER BOLT PLATE	73	8X0208	NUT 8-32 HEX YZ SER FLNG
26	8D0312	CLEVIS FOR EYE-EYE CABLE 99-	74	8X0242	NUT 1/2"-13NC NY-LOCK GR2 YZ
27	8D0720	HITCH PIECE CAST CAT .3CTD PNTD	75	8X0246	NUT 1/2"-13NC SERFLANG GR2 YZ
28	8D2402	CHAIN 3 LINK .625"DIA. ALLOY Z	76	8X0250	NUT 5/8"-11NC HEX GR2 YZ
29	8D2460	SAFETY CHAIN 3/8" X 4'	77	8X0260	NUT 3/4"-10NC HEX GR2 YZ
30	8D2470	SAFETY CHAIN 30400# 7/16" X 5'	78	8X0261	NUT 3/4"-10NC NY-LOCK GR2 YZ
31	8D2730	PIN 1 X 2-3/4" CABLE PLATED	79	8X0280	NUT 1"-8NC HEX GR2 YZ
32	8D3046	IF280/70R15 134D ON 15X10X6WHL	80	8X0281	NUT 1"-8NC NY-LOCK GR2 YZ
33	8D8502	HYD HOSE HOLDER PNTD BLK 91-	81	8X0282	NUT 1"-14TPI TOPLOCK GR 8 Z
34	8D9102	PIN 1 X 4" CYL CTTR OR HAIRPIN	82	8X0284	NUT 1-1/4"-7NC HEX GR2 YZ
35	8D9108	ROLL PIN 1/4 X 2" ZINC	83	8X0304	LOCKWASHER 5/8" YLW ZNC
36	8D9118	HYD CYL 2.5 X8" W/O DPTHCNTRL	84	8X0306	LOCKWASHER 3/4" YLW ZNC
37	8J5500	9/16"-18 ORB X #6 JIC(M) STR	85	8X0309	LOCKWASHER 1" YLW ZNC
38	8K1100	HUB&AXLE ASSY 614(GBGI-2"RCVR)	86	8X0311	LOCKWASHER 1-1/4" YLW ZNC
39	8K1105S	HUB&AXLE ASSY HD812 (2"RCVR)	87	8X0318	WASHER 3/4"(13/16"ID)FLAT YZ
40	8K1620	PIN 1-1/4 X 6-1/8"	88	8X0327	WASHER 1-1/4" SAE FLAT YZ
41	8K1720	EYEBOLT 1.25DIAX1"EYE YZ 12-	89	8X0330	WASHER 17/32"ID X 1.25"OD YZ
42	8K7450	340/60R16.5 ON 16.5X11X8 WHL	90	8X0414	COTTER PIN 1/4 X 2" YZ
43	8K8030A	MODULE AG ENHNCDW/BRAKE6PIN	91	8X0418	COTTER PIN 5/16 X 2-1/2" YZ
44	8K8435	HYD CYL 3.5" X 8" RPHS 1.75" ROD	92	8X0803	LIGHT MODULE BRACKET
45	8K8440C	HYD CYL 4 X 8" RPHS 2" ROD	93	8Z1000	MANUAL-PAK 3DIA X 11.75" 09-
46	8R6060	STL 12GA X 1.75- 4" W/HLS 08-			
47	8R6065	PILLOWBLOCK CAP W/ZERK CAST			
48	8R6067	PILLOWBLOCK CAP CAST PNTD			

DRAWBAR (WITH HDA)

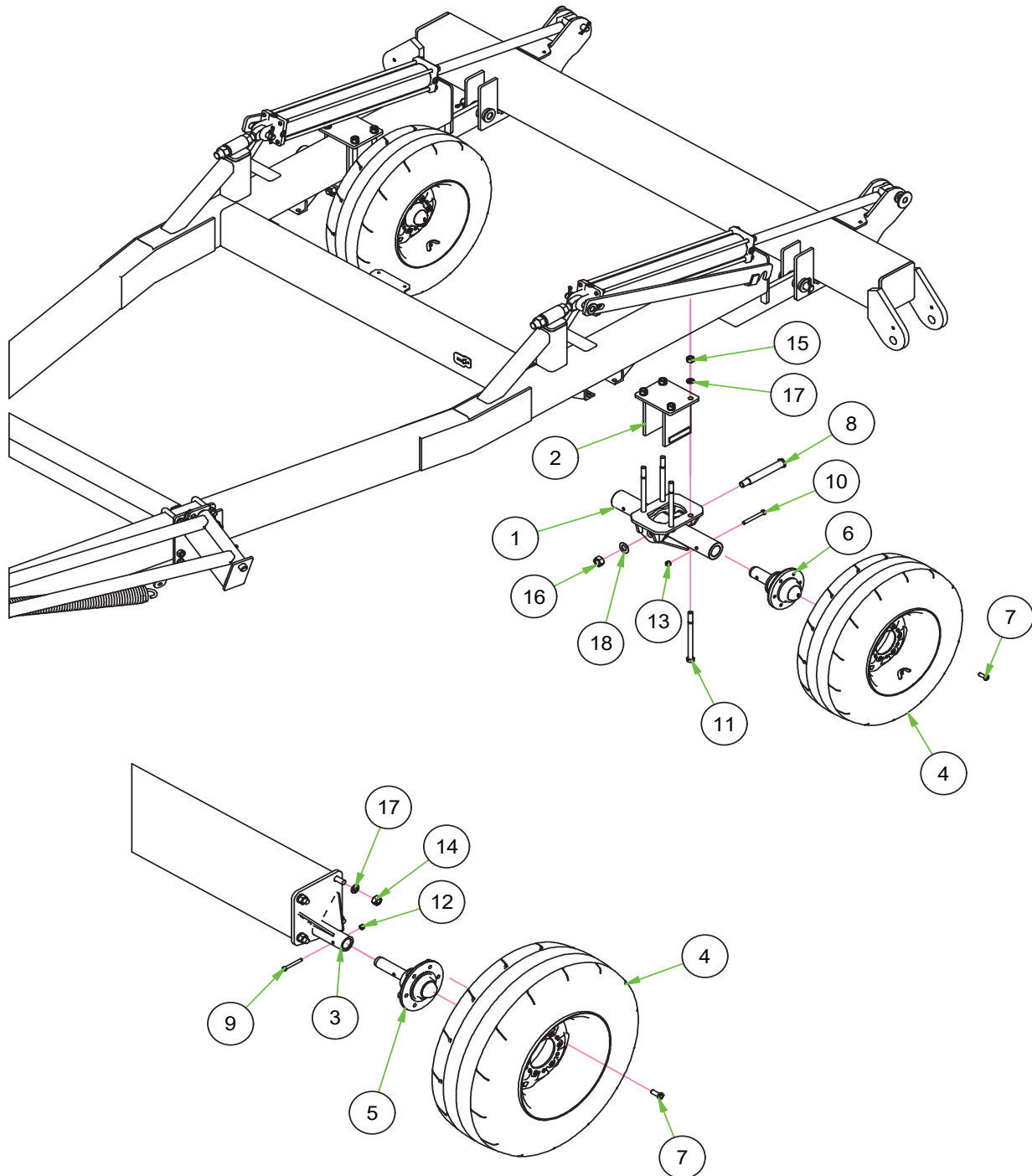


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9HD6872.iam/ SH Drawbar

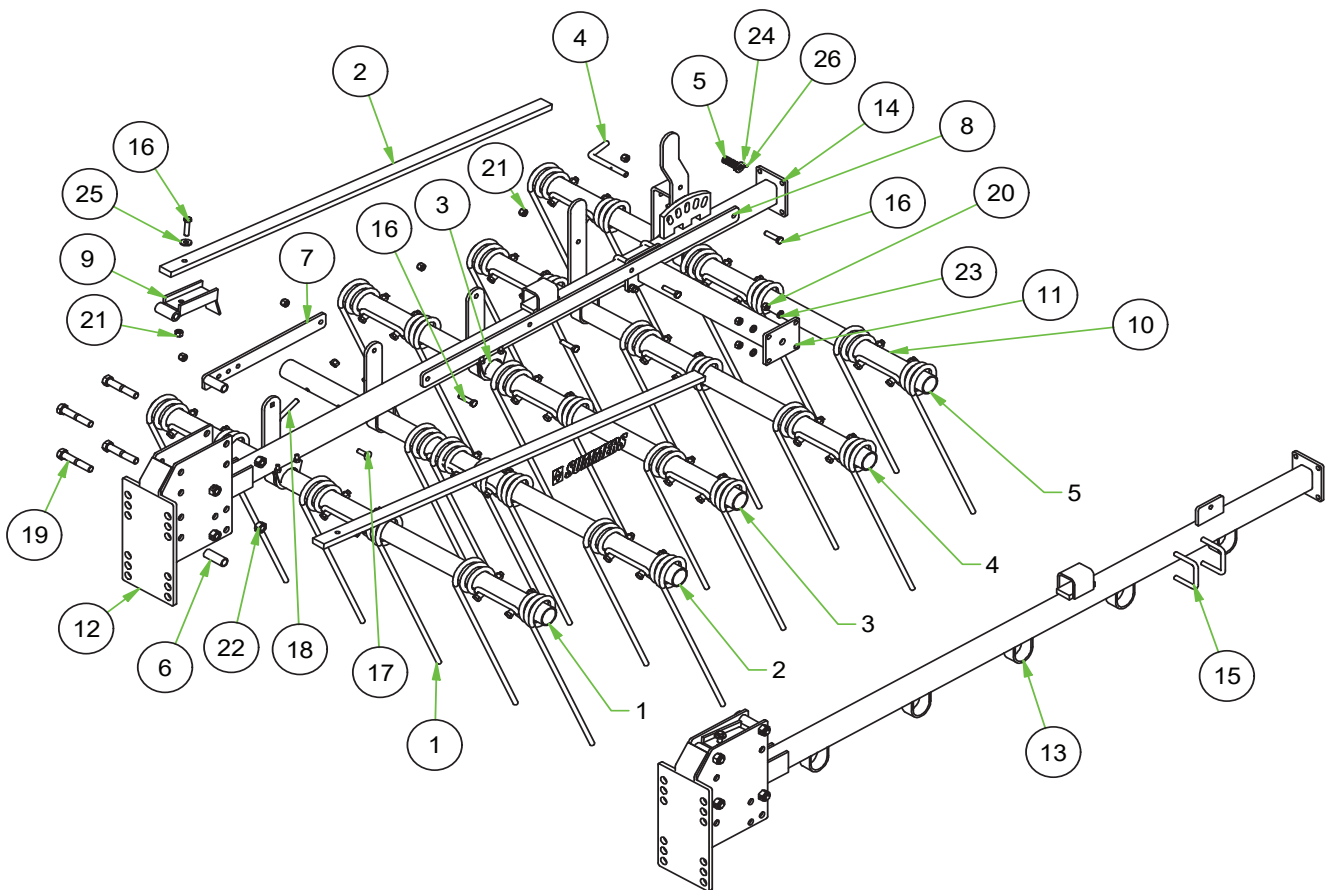
ITEM	PN	DESCRIPTION	ITEM	PN	DESCRIPTION
1	8C1480	PIN 1-1/2 X 11-1/2" KNCKL	49	8W1895	NYLATRON 1" ODX .76"ID- 1-1/2"
2	8C1710	U-BOLT 3/8 X 8 X 9" SQ	50	8X0021B	BOLT 5/16-18NC X 1-1/4" GR5 YZ
3	8C1780	U-BOLT 7/8 X 8-1/16 X 10" SQ	51	8X0068	BOLT 1/2-13NC X 2-1/2" GR5 YZ
4	8C1805	KNUCKLE 90° OFFSET MACHINED	52	8X0070	BOLT 1/2-13NC X 3-1/4" GR5 YZ
5	8C2212	CENTER 22' HTCH 8"SQ-10'	53	8X0074	BOLT 1/2-13NC X 4-1/2" GR5 ZDI
6	8C2260	BRCKT CABLE PULL 8"SQ WNG	54	8X0075	BOLT 1/2-13NC X 6" GR5 YZ
7	8C2261	BRCKT FRICTION 8"SQ WNG 18-	55	8X0114	BOLT 3/4-10NC X 3" GR5 YZ
8	8C2422P	TRNSPRT AXLE W/2.5"RCVR 2"PIN	56	8X0115	BOLT 3/4-10NC X 3-1/2" GR5 YZ
9	8C2450	PIVOT W/ PLATE 812TRNSPRT	57	8X0122	BOLT 3/4-10NC X 4-1/2" GR5 YZ
10	8D0312	CLEVIS FOR EYE-EYE CABLE 99-	58	8X0143	BOLT 1-8NC X 5" GR5 YZ
11	8D2730	PIN 1 X 2-3/4" CABLE PLATED	59	8X0203	NUT 3/8"-16NC SERFLANG GR2 YZ
12	8D3046	IF280/70R15 134D ON 15X10X6WHL	60	8X0211	NUT 5/16"-18NC SERFLANG GR2 YZ
13	8D3049	LT265/75R16 RAD ON 16X8X8 WHL	61	8X0242	NUT 1/2"-13NC NY-LOCK GR2 YZ
14	8D8537	JACK 7000# SIDE CRANK 15" LIFT	62	8X0259	NUT JAM 3/4"-10NC GR2 ZDI
15	8HP2429	TRNSPRT AXLE W/2.5" RCVR	63	8X0260	NUT 3/4"-10NC HEX GR2 YZ
16	8HP2430	TRNSPRT AXLE W/3" RCVR	64	8X0261	NUT 3/4"-10NC NY-LOCK GR2 YZ
17	8HP2450	PIVOT W/PLATE SH+COILS TRNS 16	65	8X0265	NUT 3/4"-10NC CNTRLOCK GR2 YZ
18	8K1100	HUB&AXLE ASSY 614(GBGI-2"RCV	66	8X0268	NUT 7/8"-9NC HEX GR2 YZ
19	8K1105	HUB&AXLE ASSY HD812(2.5"RCVR)	67	8X0281	NUT 1"-8NC NY-LOCK GR2 YZ
20	8K1106	HUB&AXLE ASSY HD817(2.5"RCVR)	68	8X0286	NUT 1-1/2"-6NC JAM GR2 YZ
21	8K1107	HUB&AXLE W/12K HUB 3" 96-	69	8X0306	LOCKWASHER 3/4" YLW ZNC
22	8K7123	NUT 5/8"-18UNF WHEEL BOLT 97-	70	8X0307	LOCKWASHER 7/8" YLW ZNC
23	8K7430	340/65R18 ON 18X11X8 WHL-1.50F	71	8X0316	WASHER 1" SAE FLAT YZ
24	8K7450	340/60R 16.5X11X8 WHL	72	8X0362	WASHER 2.03IDX2-7/8ODX 9GA PLN
25	8K7470	425/65R22.5 ON 22.5X12.25X10WH	73	8X0366	WASHER 2.03IDX2-7/8ODX 1/4"PLN
26	8K8000	STL 7K2045 3/8X3.5 PNTDLGHT	74	8X0414	COTTER PIN 1/4 X 2" YZ
27	8K8010	TUBE LGHT BRCKT1.5SQ55.5"00-	75	8X0418	COTTER PIN 5/16 X 2-1/2" YZ
28	8K8020	MOUNTNG BRCKT LIGHT 00-	76	8X0665	SET SCRW SQ HD 3/4-10X4.5" YZ
29	8K8090B	LIGHT LED AMBER 2WR DTSCH 12-			
30	8K8095B	LIGHT LED RED 3WIRE DTSCH 12-			
31	8K8200	BRCKT SMV ATTCH 4-8"FRAME98-			
32	8K8430	HYD CYL 3" X 8" RPHS 1.5" ROD			
33	8K8435	HYD CYL 3.5 X 8" RPHS 1.75" ROD			
34	8L0258	U-BOLT 5/16 X 1-1/2 X 2-1/2"SQ			
35	8S1120	SIGN SLOW MOVING VEHICLE(SM			
36	8S1126	MNT SPADE W/HRDWR SMV SIGN			
37	8W1800	CYL ATTCH WNG 7W1610 W/HLS			
38	8W1806	SPACER TUBE 1.25X.76- 1-1/16"			
39	8W1817	PVTW/2.5"SPNDL HLDR LFT WNG 1			
40	8W1817H	PIVOT W/SPNDL HLDR WNG HD LF			
41	8W1818	PVTW/2.5"SPNDL HLDR RGT WNG			
42	8W1818H	PIVOT W/SPNDL HLDR WNG HD R			
43	8W1819	PVT INNER WNG W/ROLLRS RGT 1			
44	8W1820	PVT INNER WING W/ROLLRS LEFT			
45	8W1821	PVT INNR WNG W/ROLLRS LFT 16-			
46	8W1822	PVT INNER WING W/ROLLRS RGHT			
47	8W1830H	PVT PLATE WNG-1" 7W1650H PNT			
48	8W1890	ROLLERTUBE 1.5 X 1"ID- 1.5" 94-			

HP (NO HDA)



ITEM	PN	DESCRIPTION
1	8C2314	OSCILLATING AXLE ASSY
2	8C2318	SPACR BRCKT HTCH AXL ATTCH
3	8C2352P	AXLE W/FLAT 611_1.5"RCVR 8SQ -P
4	8D3046	IF280/70R15 134D ON 15X10X6WHL
5	8K1096	HUB&AXLE ASSY 611(1.5"RCVR)
6	8K1100	HUB&AXLE ASSY 614(GBGI-2"RCVR)
7	8R6914	BOLT WHEEL 9/16"-18 UNF- 1.25"
8	8T3300	BOLT PIVOT CHSLTRP&WNLFT YZ
9	8X0016	BOLT 3/8-16NC X 3" GR5 ZDI
10	8X0074	BOLT 1/2-13NC X 4-1/2" GR5 ZDI
11	8X0125	BOLT 3/4-10NC X 10" GR5 ZDI
12	8X0202	NUT 3/8"-16NC NY-LOCK GR2 YZ
13	8X0242	NUT 1/2"-13NC NY-LOCK GR2 YZ
14	8X0260	NUT 3/4"-10NC HEX GR2 YZ
15	8X0265	NUT 3/4"-10NC CNTRLOCK GR2 YZ
16	8X0282	NUT 1"-14TPI TOPLOCK GR 8 Z
17	8X0306	LOCKWASHER 3/4" YLW ZNC
18	8X0316	WASHER 1" SAE FLAT YZ

SUPER HARROW PLUS SECTION



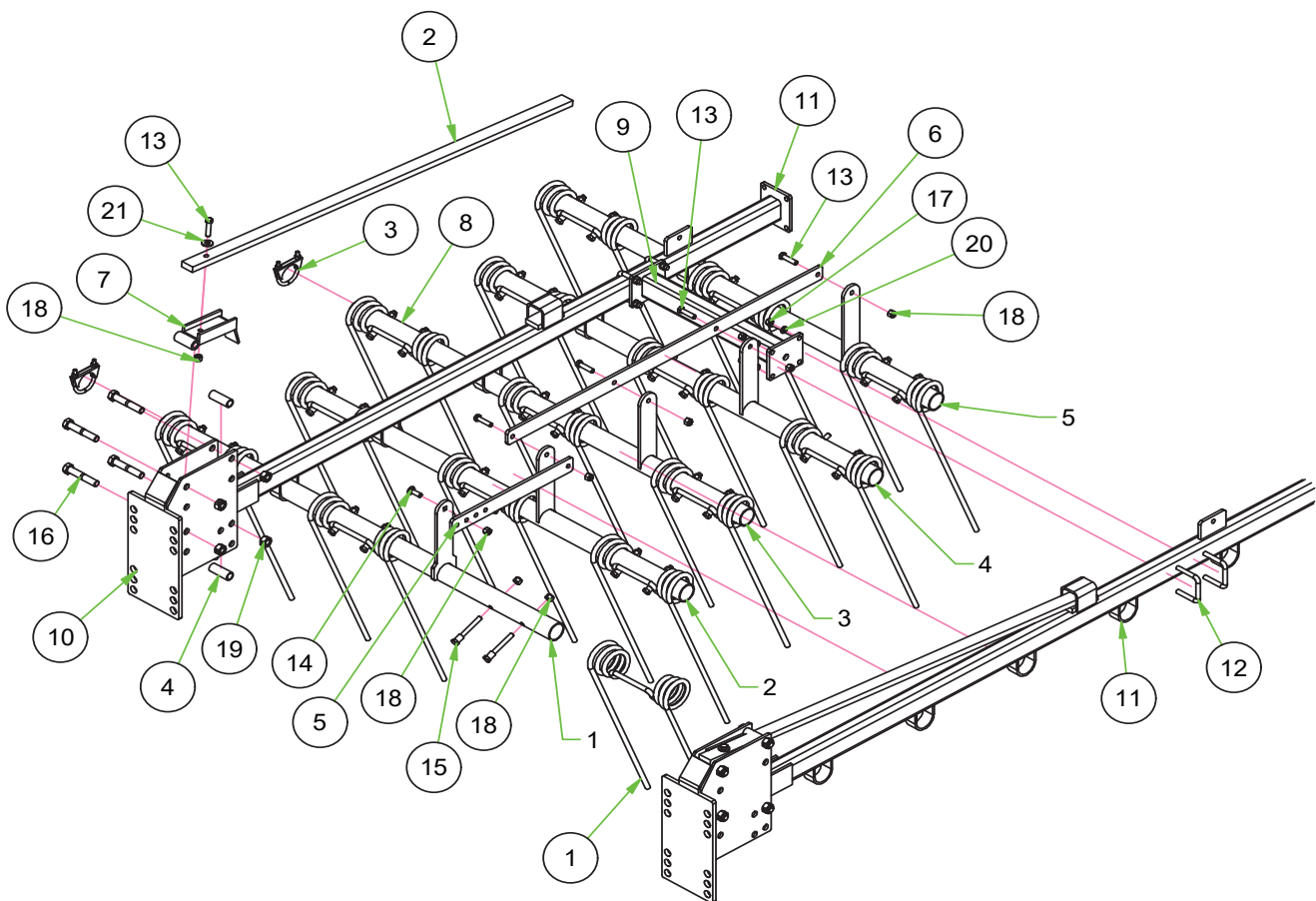
Lever to End of Pipe Distance		
ITEM	PN	Distance
1	8HD0591	17 3/4"
2	8HD0592	13 1/4"
3	8HD0593	19 3/4"
4	8HD0594A	15 1/2"
5	8HD0595A	22"

12/9/2019

8HD6200.iam/6'SH+SECTION 5BAR RGHT LVR

ITEM	PN	DESCRIPTION
1	8H1190S	HARROW TOOTH 9/16X 26" M106/SH+
2	8HD0064	SPRING FLAT 3/4X1-3/4- 60" PNTD
3	8HD0080	PIPE CLAMP 2-1/2" ID PLATED ZINC Y
4	8HD0150	PIN
5	8HD0160	COMPRESSION SPRING
6	8HD0510	PIPE SPACER 3/4 X 2-3/4" 93-
7	8HD0532	ADJUSTMNT BAR 3/8X2X19" FRNT
8	8HD0540	CONNECTNG BAR 3/8X2X49-1/2"
9	8HD0550A	STOP/MNT BRCKT SPRING FLAT 16-
10	8HD0590A	SET 5 PIPE 2/LVR 6' SPRNG ADJ 95
11	8HD6110	CROSS TUBE U-BLT ON 24"C-C
12	8HD6140	MOUNTING BRACKET SH+ SECTION
13	8HD6180	LIFT ARM SH+ W/O TINE ADJ FC
14	8HD6182	LIFT ARM SH+ W/TINE ADJ FC
15	8W1204	U-BOLT 1/2 X 3 X 3" SQ
16	8X0062	BOLT 1/2-13NC X 2" GR5 YZ
17	8X0064	CRG 1/2-13NC X 1-1/2" GR5 YZ
18	8X0079	BOLT 1/2-13X4-1/8" SHOULDR GR2ZDI
19	8X0118A	BOLT 3/4-10NC X 4-1/4" GR5 YZ
20	8X0240	NUT 1/2"-13NC HEX GR2 YZ
21	8X0242	NUT 1/2"-13NC NY-LOCK GR2 YZ
22	8X0265	NUT 3/4"-10NC CNTRLOCK GR2 YZ
23	8X0303	LOCKWASHER 1/2" YLW ZNC
24	8X0323	WASHER 5/8" SAE FLAT YZ
25	8X0330	WASHER 17/32" ID X 1.25" OD YZ
26	8X0520	ROLL PIN 3/16 X 2" ZINC CLEAR

8HD6200L



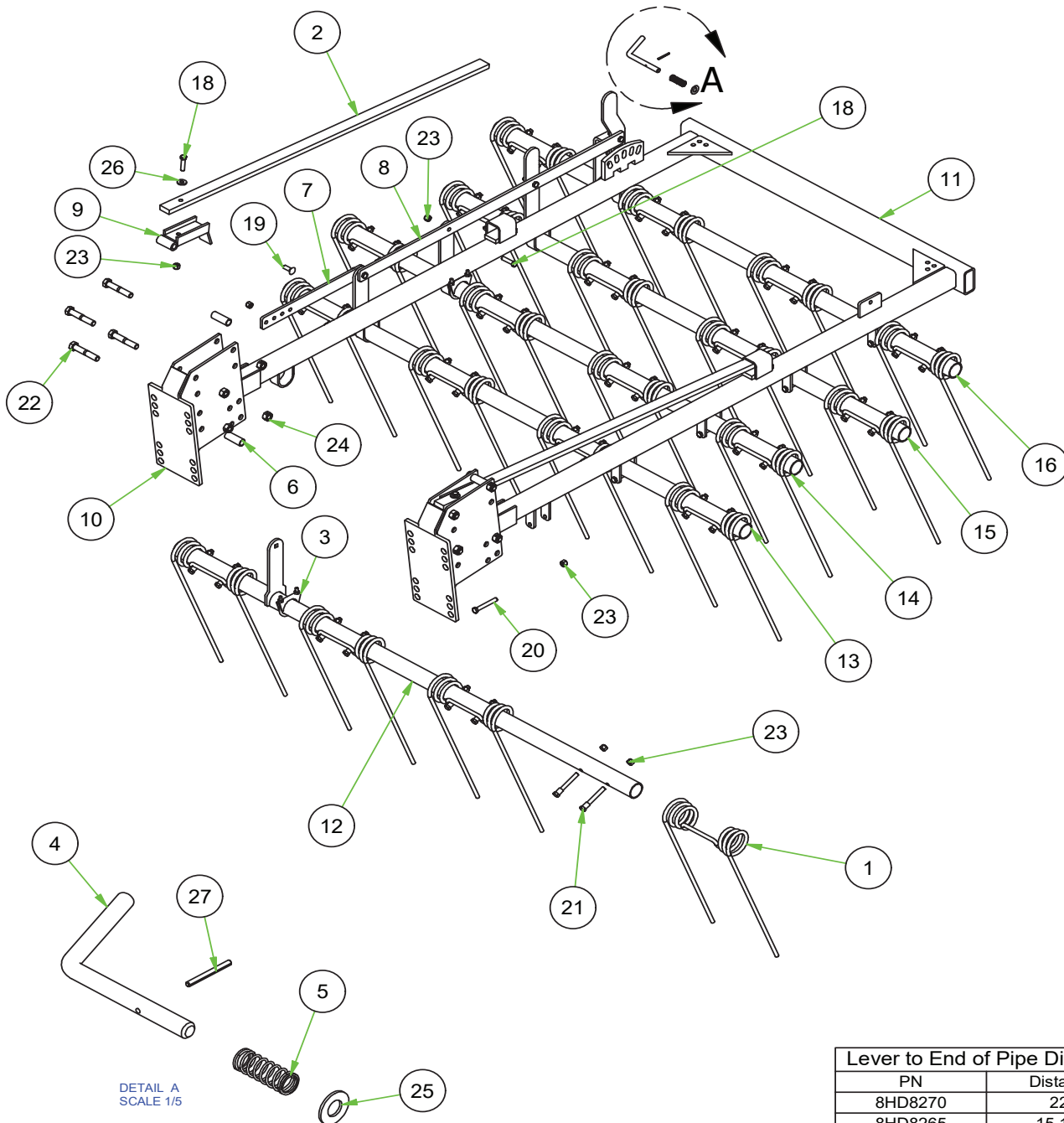
Lever to End of Pipe Distance		
ITEM	PN	Distance
1	8HD0591L	17 1/2"
2	8HD0592L	22"
3	8HD0593L	15 1/4"
4	8HD0594L	19 3/4"
5	8HD0595L	13"

12/9/2019

8HD6200L.iam/ 6'SH+SECTION LFTLVR-HYDTINE

ITEM	PN	DESCRIPTION
1	8H1190S	HARROW TOOTH 9/16X 26"M106/SH+
2	8HD0064	SPRING FLAT 3/4X1-3/4- 60"PNTD
3	8HD0080	PIPE CLAMP 2-1/2"ID PLATED ZDI
4	8HD0510	PIPE SPACER 3/4 X 2-3/4" 93-
5	8HD0532	ADJUSTMNT BAR3/8X2X19"FRNT
6	8HD0540	CONNECTNG BAR 3/8X2X49-1/2"
7	8HD0550A	STOP/MNT BRCKT SPRING FLAT 16-
8	8HD0590L	SET5PIPEW/LEFTLVRVR-HYDTINE96-
9	8HD6110	CROSS TUBE U-BLT ON 24"C-C
10	8HD6140	MOUNTING BRACKET SH+ SECTION
11	8HD6180	LIFT ARM SH+ W/O TINEADJFC
12	8W1204	U-BOLT 1/2 X 3 X 3" SQ
13	8X0062	BOLT 1/2-13NC X 2" GR5 YZ
14	8X0064	CRG 1/2-13NC X 1-1/2" GR5 YZ
15	8X0079	BOLT 1/2-13X4-1/8"SHOULDR GR2ZDI
16	8X0118A	BOLT 3/4-10NC X 4-1/4" GR5 YZ
17	8X0240	NUT 1/2"-13NC HEX GR2 YZ
18	8X0242	NUT 1/2"-13NC NY-LOCK GR2 YZ
19	8X0265	NUT 3/4"-10NC CNTRLOCK GR2 YZ
20	8X0303	LOCKWASHER 1/2" YLW ZNC
21	8X0330	WASHER 17/32"ID X 1.25"OD YZ

8' SUPER HARROW PLUS SECTION



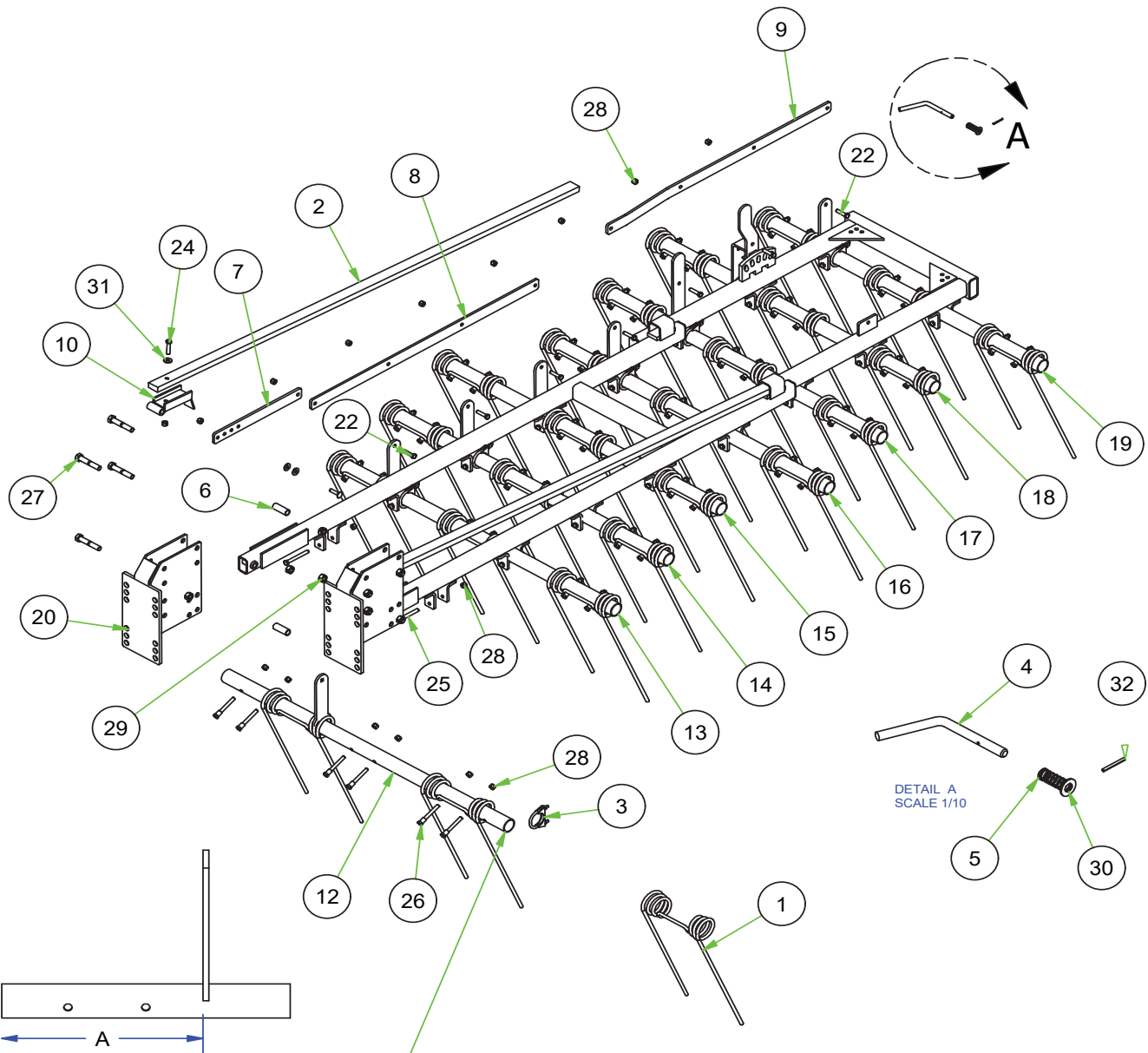
Lever to End of Pipe Distance	
PN	Distance
8HD8270	22"
8HD8265	15 1/2"
8HD8260	19 3/4"
8HD8255	13 1/4"
8HD8250	17 3/4"

12/9/2019

8HD8400.iam/SECTION 8' 5BR HARROW

ITEM	PN	DESCRIPTION
1	8H1184S	HARROW TOOTH 1/2 X 26"
2	8HD0064	SPRING FLAT 3/4X1-3/4- 60"PNTD
3	8HD0080	PIPE CLAMP 2-1/2"ID PLATED ZDI
4	8HD0150	PIN
5	8HD0160	COMPRESSION SPRING
6	8HD0510	PIPE SPACER 3/4 X 2-3/4" 93-
7	8HD0532	ADJUSTMNT BAR3/8X2X19"FRNT
8	8HD0540	CONNECTNG BAR 3/8X2X49-1/2"
9	8HD0550A	STOP/MNT BRCKT SPRING FLAT 16-
10	8HD6140	MOUNTING BRACKET SH+ SECTION
11	8HD8200	LIFT ARM ASSY SH 2550
12	8HD8250	1ST PIPE W/LVR 8'SH2650 10-
13	8HD8255	2ND PIPE W/LVR 8'SH2650 10-
14	8HD8260	3RD PIPE W/LVR 8'SH2650 10-
15	8HD8265	4TH PIPE W/LVR 8'SH2650 10-
16	8HD8270	REAR PIPE W/LVR 8'SH2650 10-
17	8HD8300	SET5PIPE W/LVR 8'SPRNGADJ 09-
18	8X0062	BOLT 1/2-13NC X 2" GR5 YZ
19	8X0064	CRG 1/2-13NC X 1-1/2" GR5 YZ
20	8X0072	BOLT 1/2-13NC X 3-3/4" GR5 YZ
21	8X0079	BOLT 1/2-13X4-1/8"SHOULDR GR2ZDI
22	8X0118A	BOLT 3/4-10NC X 4-1/4" GR5 YZ
23	8X0242	NUT 1/2"-13NC NY-LOCK GR2 YZ
24	8X0265	NUT 3/4"-10NC CNTRLOCK GR2 YZ
25	8X0323	WASHER 5/8" SAE FLAT YZ
26	8X0330	WASHER 17/32"ID X 1.25"OD YZ
27	8X0520	ROLL PIN 3/16 X 2" ZINC CLEAR

8 BAR SECTION



DETAIL A
SCALE 1/10

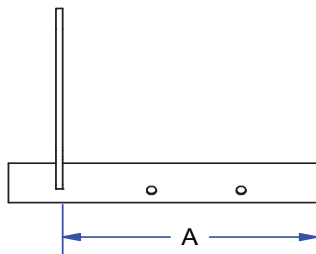
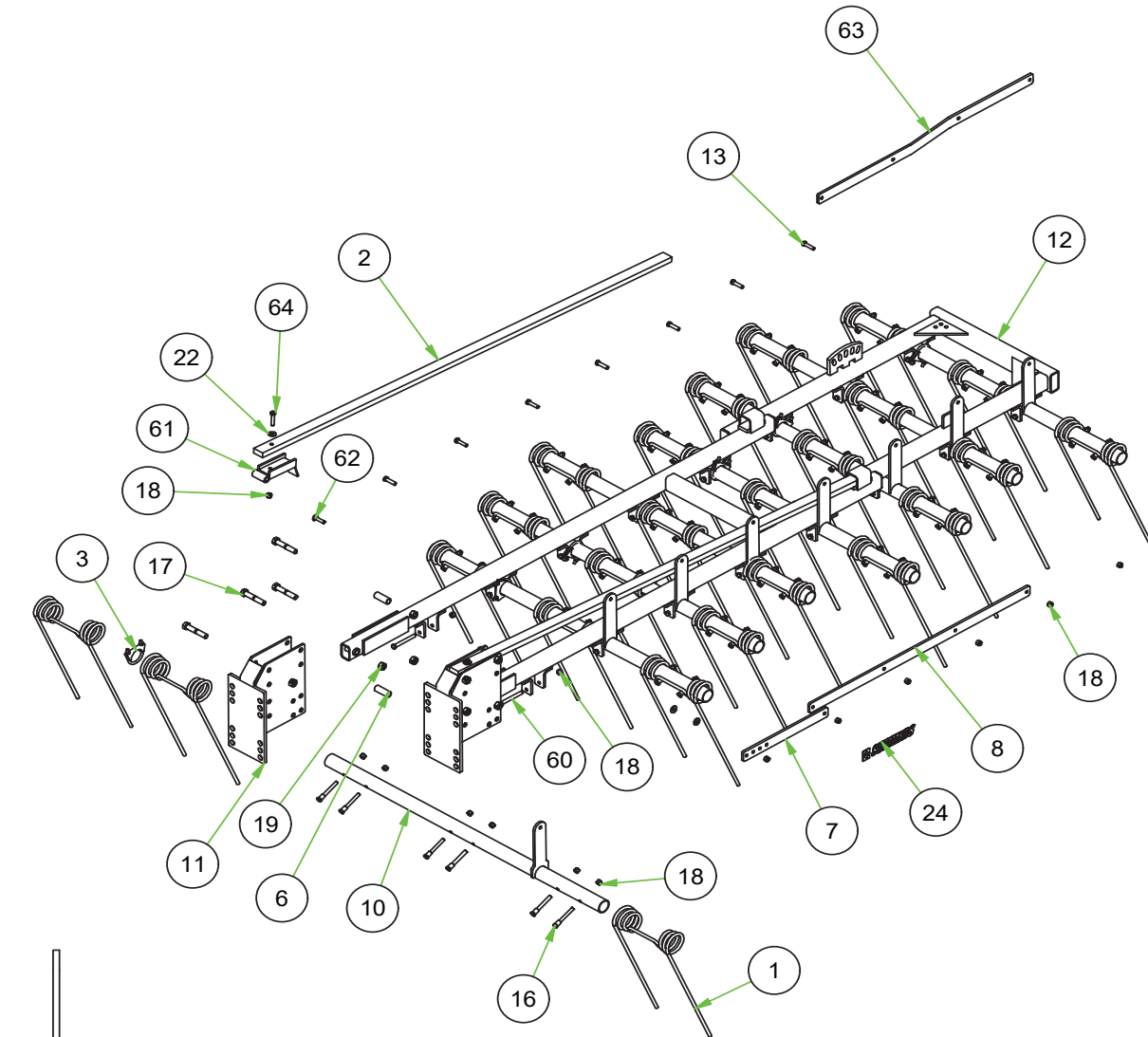
SEE CHART TO LEFT
FOR INDIVIDUAL BARS
(ALL 8 BARS - 8HD0580A)

"A" Measurement	Part Number
20.42 in	8HD0581
12.92 in	8HD0582
17.42 in	8HD0583
21.92 in	8HD0584
14.42 in	8HD0585
16.92 in	8HD0586
18.456 in	8HD0587
13.92 in	8HD0588

8HD6800.iam/6'SH+SECTION 8BAR

ITEM	PN	DESCRIPTION
1	8H1184S	HARROW TOOTH 1/2 X 26"
2	8HD0068	SPRING FLAT 1X2- 92" PNTD
3	8HD0080	PIPE CLAMP 2-1/2"ID PLATED ZINC YELLOW
4	8HD0150	PIN
5	8HD0160	COMPRESSION SPRING
6	8HD0510	PIPE SPACER 3/4 X 2-3/4" 93-
7	8HD0532	ADJUSTMNT BAR3/8X2X19"FRNT
8	8HD0540	CONNECTNG BAR 3/8X2X49-1/2"
9	8HD0541	CNNCTNG BAR 3/8X2x49.5" W/BND
10	8HD0550A	STOP/MNT BRCKT SPRING FLAT 16-
12	8HD0581	1ST PIPE W/LVR 6' 8BAR SH 16-
13	8HD0582	2ND PIPE W/LVR 6' 8BAR SH 16-
14	8HD0583	3RD PIPE W/LVR 6' 8BAR SH 16-
15	8HD0584	4TH PIPE W/LVR 6' 8BAR SH 16-
16	8HD0585	5TH PIPE W/LVR 6' 8BAR SH 16-
17	8HD0586	6TH PIPE W/LVR 6' 8BAR SH 16-
18	8HD0587	7TH PIPE W/LVR 6' 8BAR SH 16-
19	8HD0588	8TH PIPE W/LVR 6' 8BAR SH 16-
20	8HD6140	MOUNTING BRACKET SH+ SECTION
22	8X0062	BOLT 1/2-13NC X 2" GR5 YZ
24	8X0067	BOLT 1/2-13NC X 2-1/4" GR5 ZDI
25	8X0074	BOLT 1/2-13NC X 4-1/2" GR5 ZDI
26	8X0079	BOLT 1/2-13X4-1/8"SHOULDR GR2ZDI
27	8X0118A	BOLT 3/4-10NC X 4-1/4" GR5 YZ
28	8X0242	NUT 1/2"-13NC NY-LOCK GR2 YZ
29	8X0265	NUT 3/4"-10NC CNTRLOCK GR2 YZ
30	8X0323	WASHER 5/8" SAE FLAT YZ
31	8X0330	WASHER 17/32"ID X 1.25"OD YZ
32	8X0520	ROLL PIN 3/16 X 2" ZINC CLEAR

8HD6800L



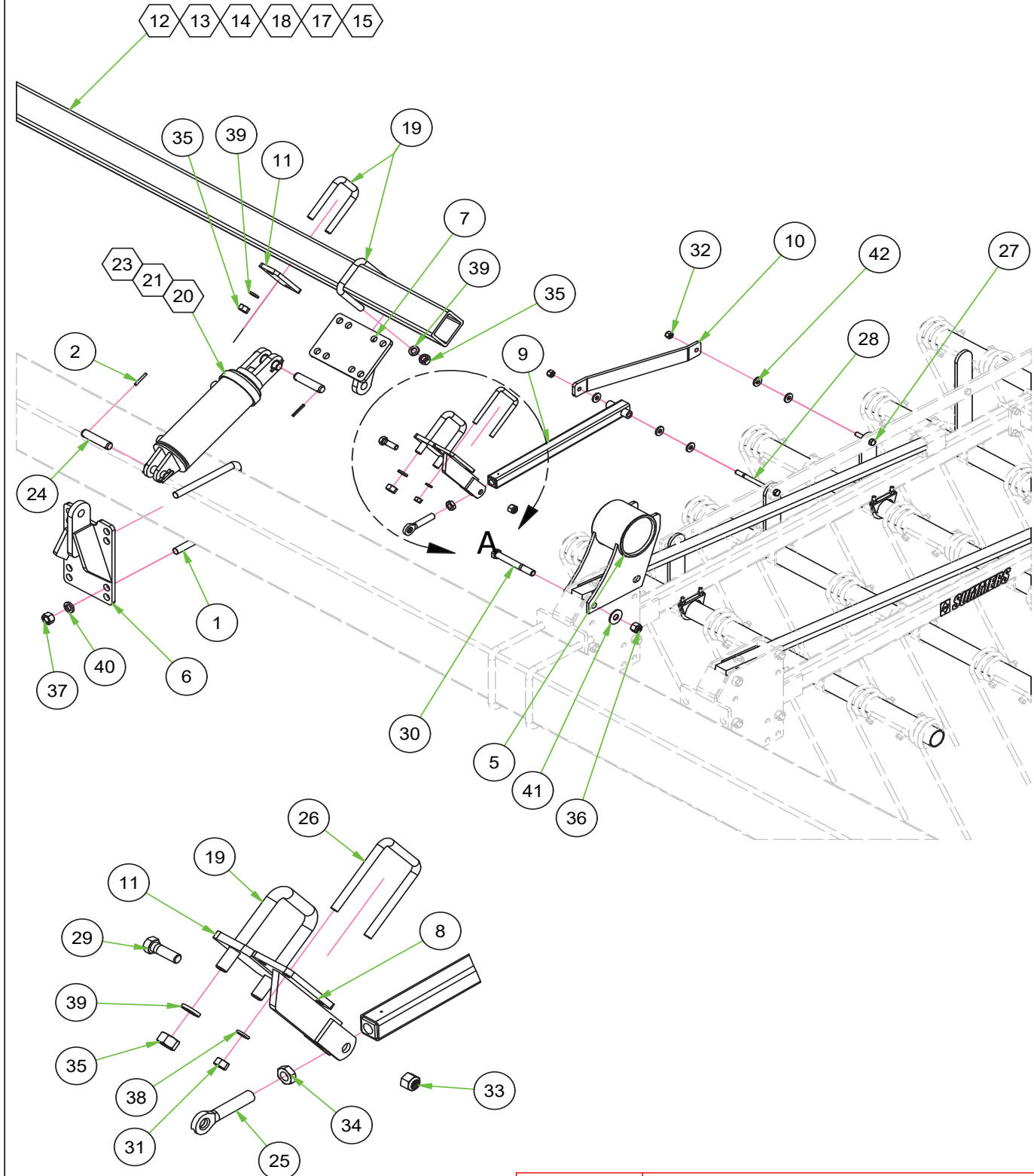
"A" Measurement	Part Number
14.205 in	8HD0581L
21.705 in	8HD0582L
17.205 in	8HD0583L
12.705 in	8HD0584L
20.205 in	8HD0585L
15.705 in	8HD0586L
13.205 in	8HD0587L
20.705 in	8HD0588L

12/9/2019

8HD6800L.iam/6'SH+SECTION 8BAR LEFT LVR 16-

ITEM	PN	DESCRIPTION
1	8H1184S	HARROW TOOTH 1/2 X 26"
2	8HD0068	SPRING FLAT 1X2- 92" PNTD
3	8HD0080	PIPE CLAMP 2-1/2"ID PLATED ZINC YELLOW
6	8HD0510	PIPE SPACER 3/4 X 2-3/4" 93-
7	8HD0532	ADJUSTMNT BAR3/8X2X19"FRNT
8	8HD0540	CONNECTNG BAR 3/8X2X49-1/2"
10	8HD0580L	SET 8PIPEW/LFT LVR -HYDTINE 16-
11	8HD6140	MOUNTING BRACKET SH+ SECTION
12	8HD8800	LIFT ARM ASSY SH 3568 16-
13	8X0062	BOLT 1/2-13NC X 2" GR5 YZ
16	8X0079	BOLT 1/2-13X4-1/8"SHOULDR GR2ZDI
17	8X0118A	BOLT 3/4-10NC X 4-1/4" GR5 YZ
18	8X0242	NUT 1/2"-13NC NY-LOCK GR2 YZ
19	8X0265	NUT 3/4"-10NC CNTRLOCK GR2 YZ
22	8X0330	WASHER 17/32"ID X 1.25"OD YZ
24	8Z0101	2" SUMMERS DECAL
60	8X0074	BOLT 1/2-13NC X 4-1/2" GR5 ZDI
61	8HD0550A	STOP/MNT BRCKT SPRING FLAT 16-
62	8X0065	CRG 1/2-13NC X 2" GR5 ZDI
63	8HD0542	CNNCTNG BAR 3/8X2x49.5" W/BND
64	8X0067	BOLT 1/2-13NC X 2-1/4" GR5 ZDI

HYD TINE ANGLE



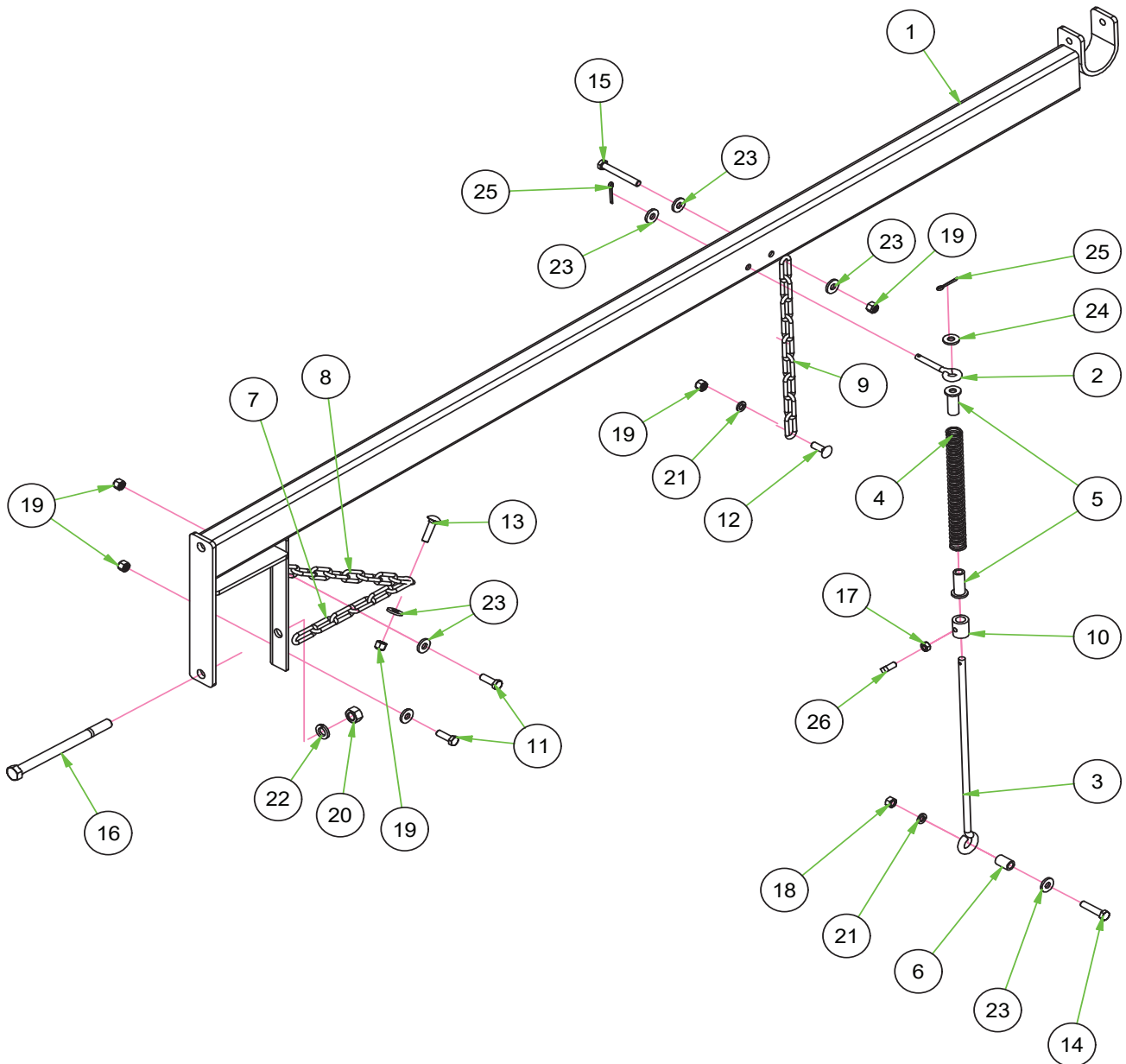
12/9/2019

HydTineAngle.iam

ITEM	PN	DESCRIPTION
1	8C1780	U-BOLT 7/8 X 8-1/16 X 10" SQ
2	8D9108	ROLL PIN 1/4 X 2" YLW ZNC
3	8HD6200	6'SH+SECTION 5BAR RGHT LVR
4	8HD6650	WINGTUBE20'11"(56'SH 2550)8SQ4T
5	8HD7000	BUSHING ROCKSHFT HYD.TINE
6	8HD7020	CYL ATTCH BASE HYD TINE
7	8HD7040	CYL ATTCH ROD HYDTINEADJ
8	8HD7060	LEVER(U-BLT ON)HYDTINEADJ
9	8HD7080	CONNECTING TUBE HYD TINE
10	8HD7100	STIFFNR FLAT3/8X2HYD TINE
11	8HD7110	CLAMP ROCK SHFT HYD TINE
12	8HD7130	ROCKSHAFT 4SQX6T- 54" HYD TINE
13	8HD7136	ROCKSHAFT 4SQX6T- 84" HYD TINE
14	8HD7148	ROCKSHAFT 4SQX6T- 156" HYD TINE
15	8HD7160	ROCKSHAFT 4SQX6T- 228" HYD TINE
16	8HD7160	TUBE
17	8HD7172	ROCKSHAFT 4SQX6T- 300" HYD TINE
18	8HD7184	ROCKSHAFT 4SQX6T- 372" HYD TINE
19	8K5515	U-BOLT 3/4 X 4-1/16 X 6" SQ
20	8K8435	HYD CYL 3.5 X 8" RPHS 1.75"ROD
21	8K8440C	HYD CYL 4 X 8" RPHS 2"ROD
22	8K8445C	HYD CYL 4.5" X 8" RPHS 2" ROD
23	8K8445C	HYD CYL 4.5 X 8" RPHS 2"ROD
24	8K9102	PIN 1 X 4" CYL-FOR1/4"ROLL PIN
25	8R6145	EYEBOLT 3/4"-10NC X 5/8"EYE
26	8S0340	U-BOLT 1/2 X 4 X 5-1/4" SQ
27	8X0068	BOLT 1/2-13NC X 2-1/2" GR5 YZ
28	8X0082	BOLT 1/2-13NC X 6-1/2" GR5 YZ
29	8X0093	BOLT 5/8-11NC X 2" GR5 YZ
30	8X0116	BOLT 3/4-10NC X 6" GR5 YZ
31	8X0240	NUT 1/2"-13NC HEX GR2 YZ
32	8X0242	NUT 1/2"-13NC NY-LOCK GR2 YZ
33	8X0253	NUT 5/8"-11NC NY-LOCK GR2 YZ
34	8X0259	NUT JAM 3/4"-10NC GR2 ZDI
35	8X0260	NUT 3/4"-10NC HEX GR2 YZ
36	8X0261	NUT 3/4"-10NC NY-LOCK GR2 YZ
37	8X0268	NUT 7/8"-9NC HEX GR2 YZ
38	8X0303	LOCKWASHER 1/2" YLW ZNC
39	8X0306	LOCKWASHER 3/4" YLW ZNC
40	8X0307	LOCKWASHER 7/8" YLW ZNC
41	8X0318	WASHER 3/4"(13/16"ID)FLAT YZ
42	8X0330	WASHER 17/32"ID X 1.25"OD YZ

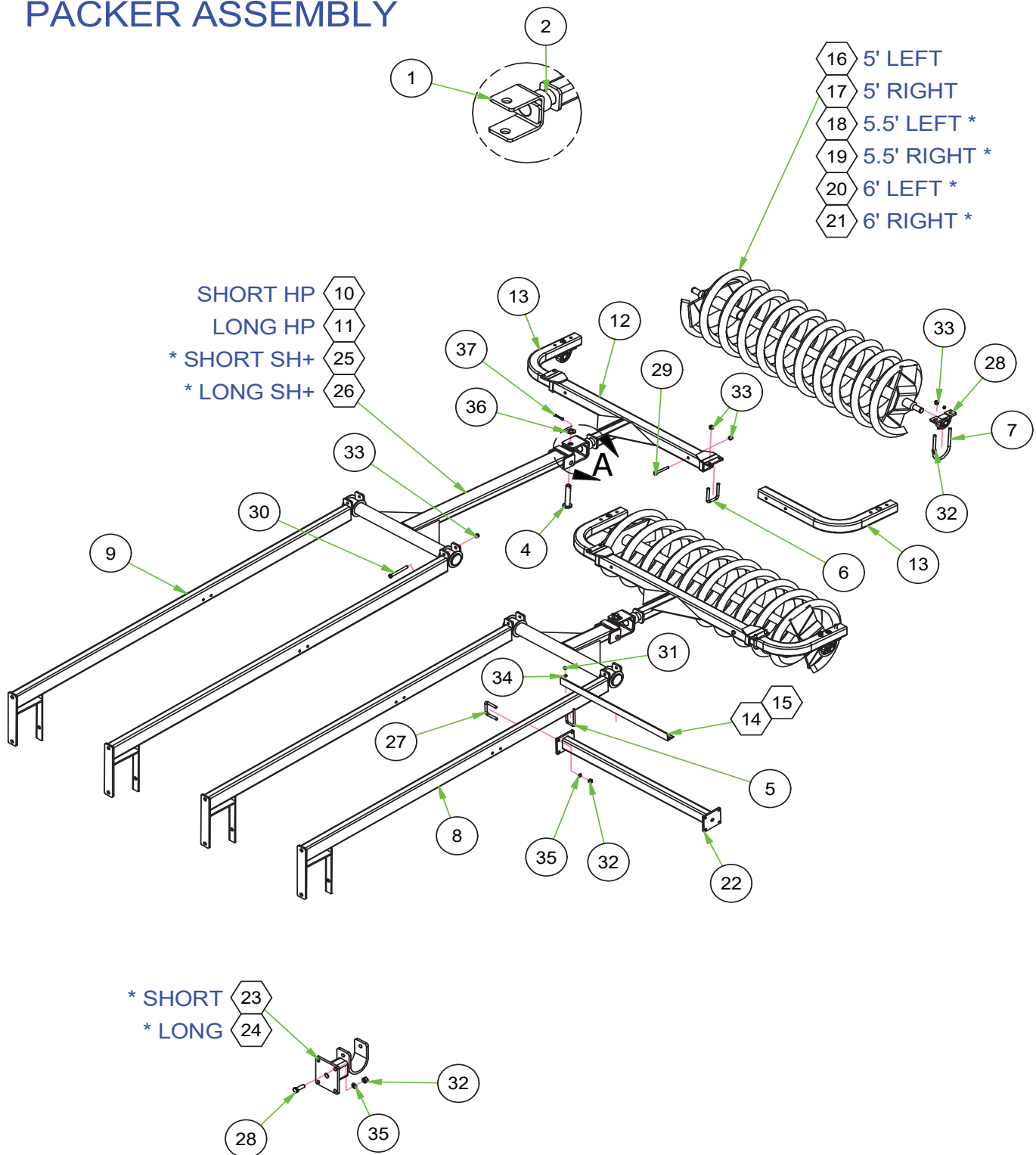
LIFT ARMS

HARROW PACKER



ITEM	PN	DESCRIPTION
1	8C4000	LIFT ARM SHRT HRRW PCKR
2	8D1710	EYE BOLT SHORT 7/16" DIA
3	8D1720	EYE BOLT LONG 1/2" DIA
4	8D1730	SPRING PRESS 3/8" C-HRRW OPT
5	8D1740	PIPE 1/2" SCH80- 2-1/8" W/WSHR
6	8D1750	PIPE 1/2" SCH80- 1-1/4" -07
7	8D2100	CHAIN 6 LINK CASE HARDND-12.5"
8	8D2210	CHAIN 8 LINK CASE HARDEND-17"
9	8D2300	CHAIN 9 LINK SECTION LIFT-19"
10	8H1320	TUBE
11	8X0063	BOLT 1/2-13NC X 1-1/2" GR5 YZ
12	8X0064	CRG 1/2-13NC X 1-1/2" GR5 YZ
13	8X0065	CRG 1/2-13NC X 2" GR5 ZDI
14	8X0067	BOLT 1/2-13NC X 2-1/4" GR5 ZDI
15	8X0072	BOLT 1/2-13NC X 3-3/4" GR5 YZ
16	8X0125	BOLT 3/4-10NC X 10" GR5 ZDI
17	8X0232	NUT 7/16"-14NC HEX GR2 ZDI
18	8X0240	NUT 1/2"-13NC HEX GR2 YZ
19	8X0242	NUT 1/2"-13NC NY-LOCK GR2 YZ
20	8X0260	NUT 3/4"-10NC HEX GR2 YZ
21	8X0303	LOCKWASHER 1/2" YLW ZNC
22	8X0306	LOCKWASHER 3/4" YLW ZNC
23	8X0330	WASHER 17/32"ID X 1.25"OD YZ
24	8X0330B	WASHER 17/32"ID X 1.25"OD BLACK
25	8X0415	COTTER PIN 3/16 X 1-1/2"
26	8X0605	SET SCRW SQ HD 7/16-14X 1" ZDI

PACKER ASSEMBLY



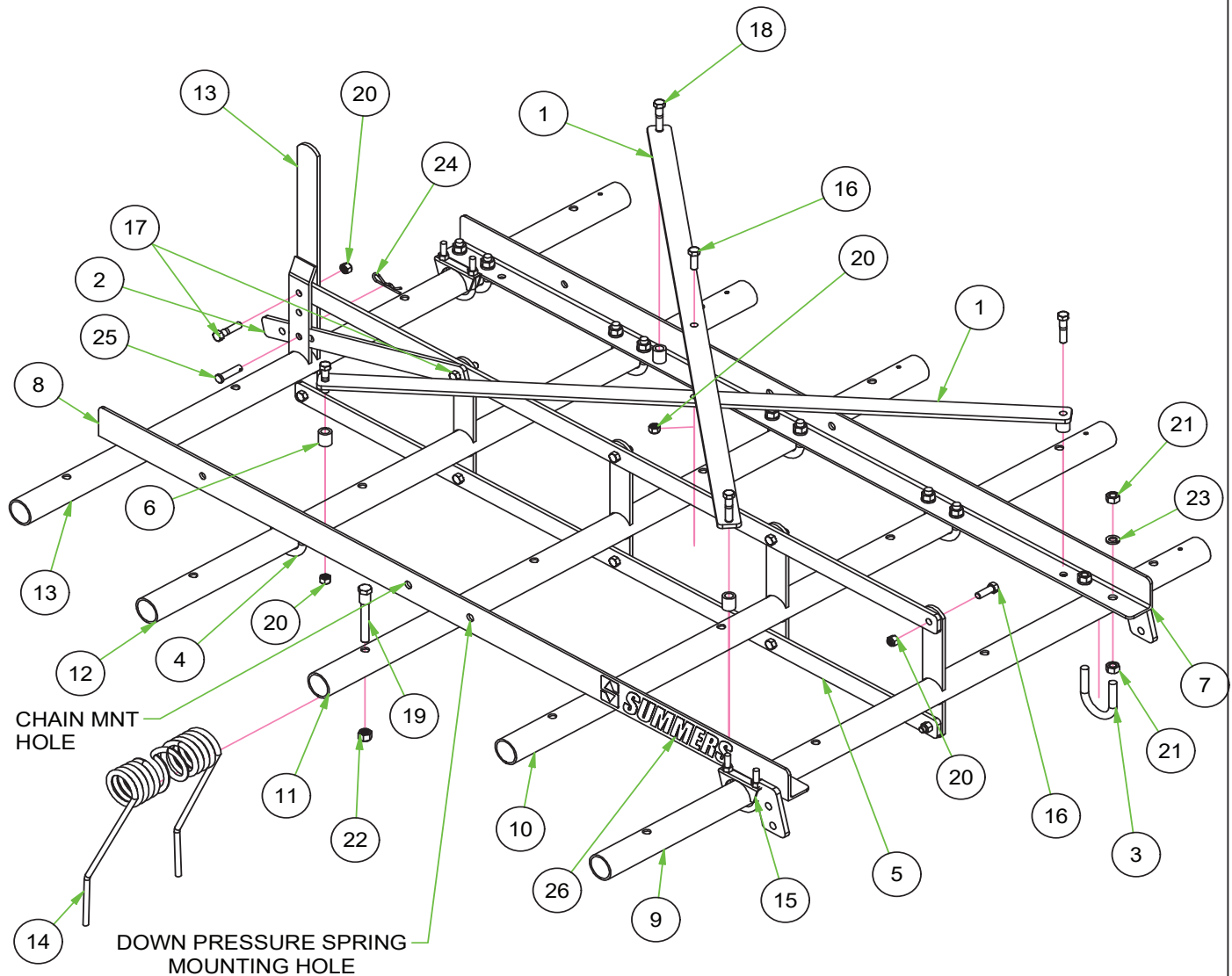
* SUPERHARROW PLUS WITH COIL PACKER ONLY

12/10/2019

Packer Assembly.iam

ITEM	PN	DESCRIPTION
1	7C4020	SWIVEL PULL FRAME
2	7C4030	PIVOT TUBE PULL FRAME
28	8C0216	BEARING PILLOWBLCK 1-3/16"TRPL
4	8C1420	PIN 1 X 5-7/8" 22'HTCH PLTD
5	8C1700	U-BOLT 3/8 X 2 X 4-7/8" SQ
6	8C1720	U-BOLT 1/2 X 2-5/8 X 3-3/4" SQ
7	8C1740	U-BOLT 1/2 X 4-1/4 X 7-1/4"RND
8	8C4000	LIFT ARM SHRT HRRW PCKR
9	8C4010	LIFT ARM LONG HRRW PCKR
10	8C4020	PIVOT ARM SHORT 3/8" TINE HP
11	8C4040	PIVOT ARM LONG 3/8" TINE HP
12	8C4070	PULLFRAME ADJUSTABLE(3"SQ)HP
13	8C4082	ARM ADJSTBL COIL (FORMED)W/HOLS
14	8C4100	BRACE ANGLE 2 X 2- 33-1/4"
15	8C4120	BRACE ANGLE 2 X 2-63-1/4" 91-
16	8C4510	COILS 5' X 1-3/4" W/SHAFT LEFT
17	8C4515	COILS 5' X 1-3/4" W/SHAFT RIGHT
18	8C4560	COILS 5.5' X 1-3/4" W/SHAFT LEFT
19	8C4565	COILS 5.5' X 1-3/4" W/SHAFT RIGHT
20	8C4610	COILS 6' X 1-3/4" W/SHAFT LEFT
21	8C4615	COILS 6' X 1-3/4" W/SHAFT RIGHT
22	8HD6120	CROSSTUBE U-BLTATCH48"C-C
23	8HD6160	EXT SHRT COIL MNT FOR 8SQ 96-
24	8HD6170	EXT LONG COIL MNT FOR 8SQ
25	8HD6174	PIVOT ARM SHORT SH+/COIL
26	8HD6176	PIVOT ARM LONG SH+/COIL
27	8W1204	U-BOLT 1/2 X 3 X 3" SQ
28	8X0063	BOLT 1/2-13NC X 1-1/2" GR5 YZ
29	8X0072	BOLT 1/2-13NC X 3-3/4" GR5 YZ
30	8X0073	BOLT 1/2-13NC X 5" GR5 YZ
31	8X0201	NUT 3/8"-16NC HEX GR2 ZDI
32	8X0240	NUT 1/2"-13NC HEX GR2 YZ
33	8X0242	NUT 1/2"-13NC NY-LOCK GR2 YZ
34	8X0301	LOCKWASHER 3/8" YLW ZNC
35	8X0303	LOCKWASHER 1/2" YLW ZNC
36	8X0316	WASHER 1" SAE FLAT YZ
37	8X0414	COTTER PIN 1/4 X 2" YZ

5 FT. HARROW SECTION - 5 BAR (3/8" Dia. Tooth - 8H0795)

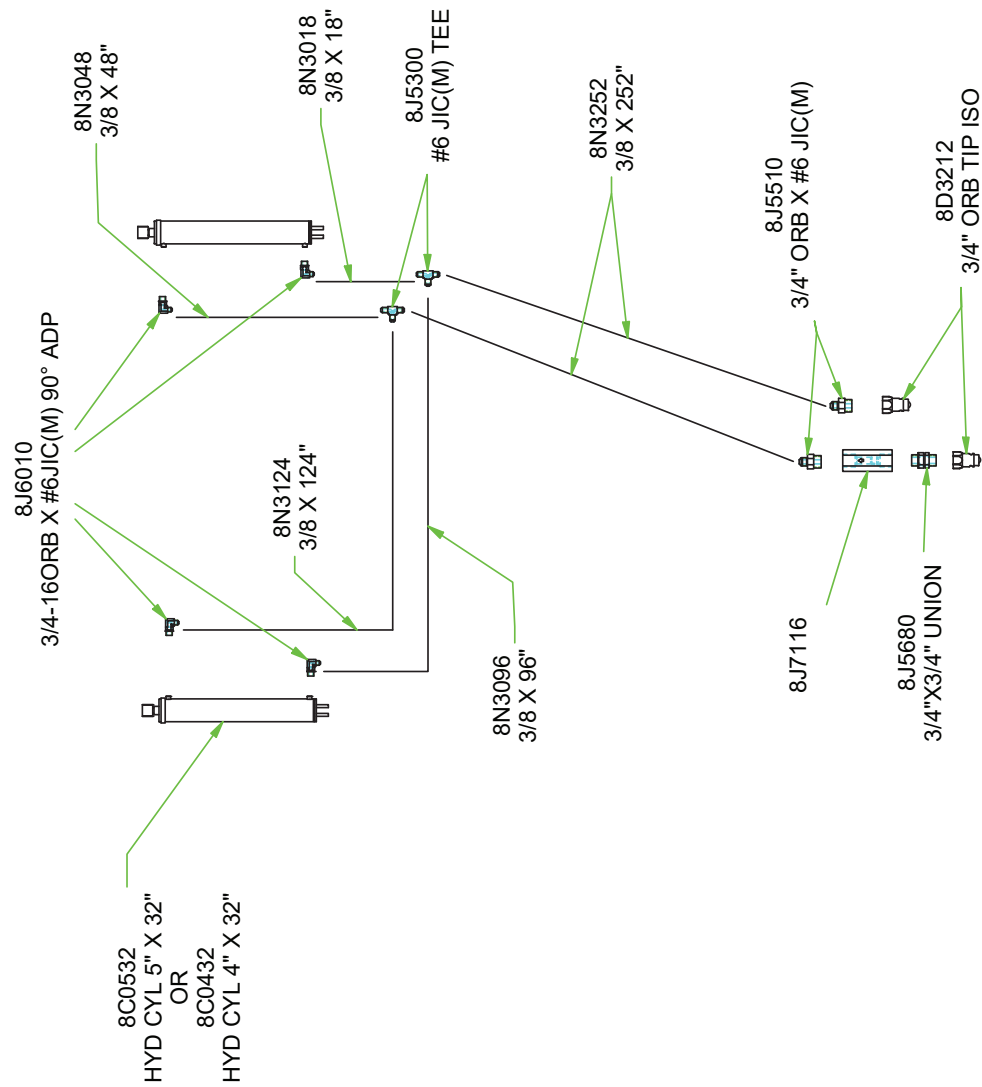


8/7/2018

8H0795.iam/5 BAR 5' HRRW SECTION

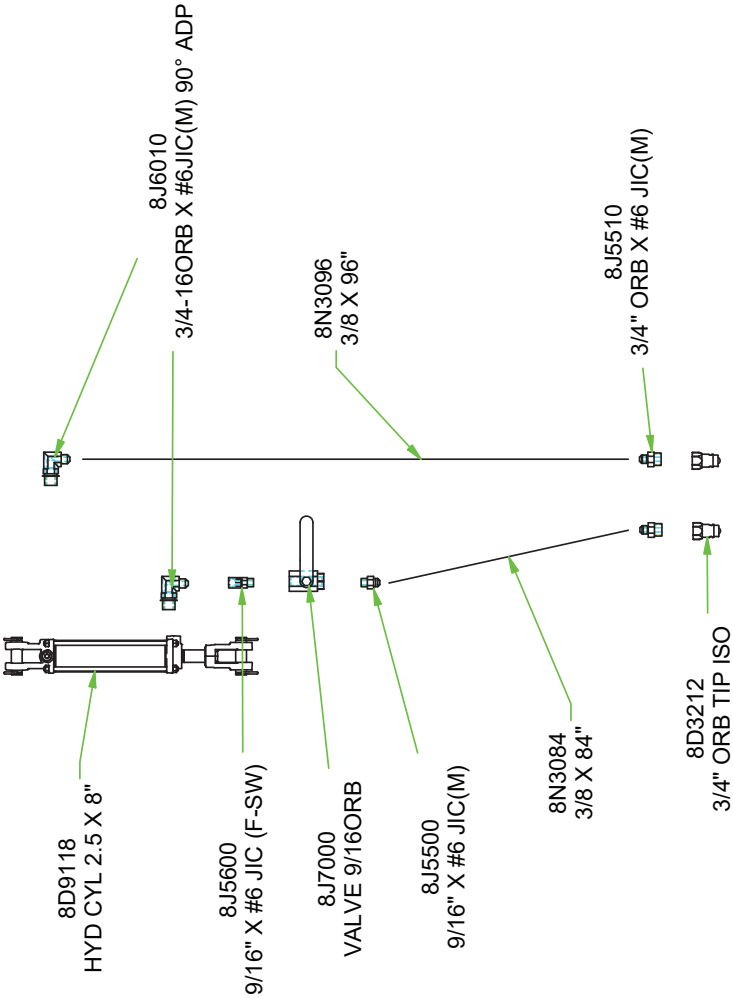
ITEM	PN	DESCRIPTION
1	8H0232	FLAT 5/16 X 1.5 - 47.5" (5')
2	8H0260	FLAT 5/16 X 1.5 -18.5"CULTI
3	8H0350	U-BOLT 1/2 X 2 X 3" RND
4	8H0352	U-BOLT 1/2 X 2 X 3" RND W/NUTS
5	8H0370	FLAT 5/16X1.5- 57" (5 BR)
6	8H0390	PIPE 1/2" SCH 80- 1" (5 BR)
7	8H0410	SIDE ANGLE LEFT 5 BAR
8	8H0411	SIDE ANGLE RGHT 5 BAR
9	8H0641	1ST PIPE W/LEVER 5' 5 BAR
10	8H0642	2ND PIPE W/LEVER 5' 5 BAR
11	8H0643	3RD PIPE W/LEVER 5' 5 BAR
12	8H0644	4TH PIPE W/LEVER 5' 5 BAR
13	8H0645	REAR PIPE W/LEVER 5' 5 BAR
14	8H1110	HARROW TOOTH 3/8X 14"CULTIHRRW
15	8S0080	PIPE CLAMP, 1.90" ID PLATED
16	8X0033	BOLT 7/16X1.25 5/8"THD GR5 ZDI
17	8X0034	BOLT 7/16X1.75 W/1"THD GR5 ZDI
18	8X0036	BOLT 7/16-14NC X 2" GR5 ZDI
19	8X0079	BOLT 1/2-13X4-1/8"SHOULDR GR2ZDI
20	8X0234	NUT 7/16"-14NC NY-LOCK GR2 ZDI
21	8X0240	NUT 1/2"-13NC HEX GR2 YZ
22	8X0242	NUT 1/2"-13NC NY-LOCK GR2 YZ
23	8X0303	LOCKWASHER 1/2" YLW ZNC
24	8X0400	HAIR PIN CLIP 1/8 X 1-15/16"
25	8X0420	CLEVIS PIN 7/16 X 1-3/4" ZDI
26	8Z0101	2" SUMMERS DECAL

MAIN LIFT HYD



10/3/2019 HARROW HYDRAULICS

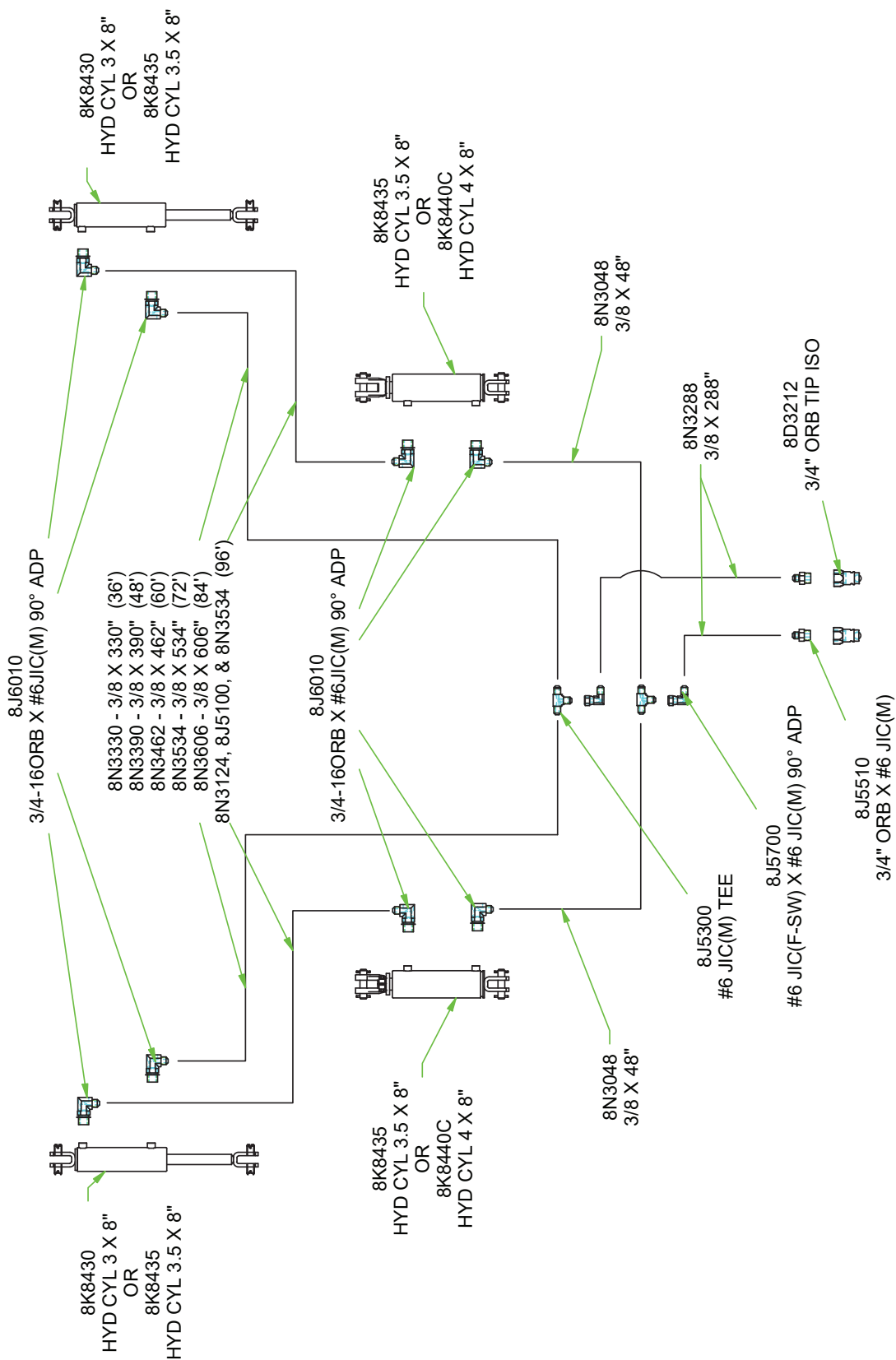
AUTOFOLD LOCK



10/3/2019

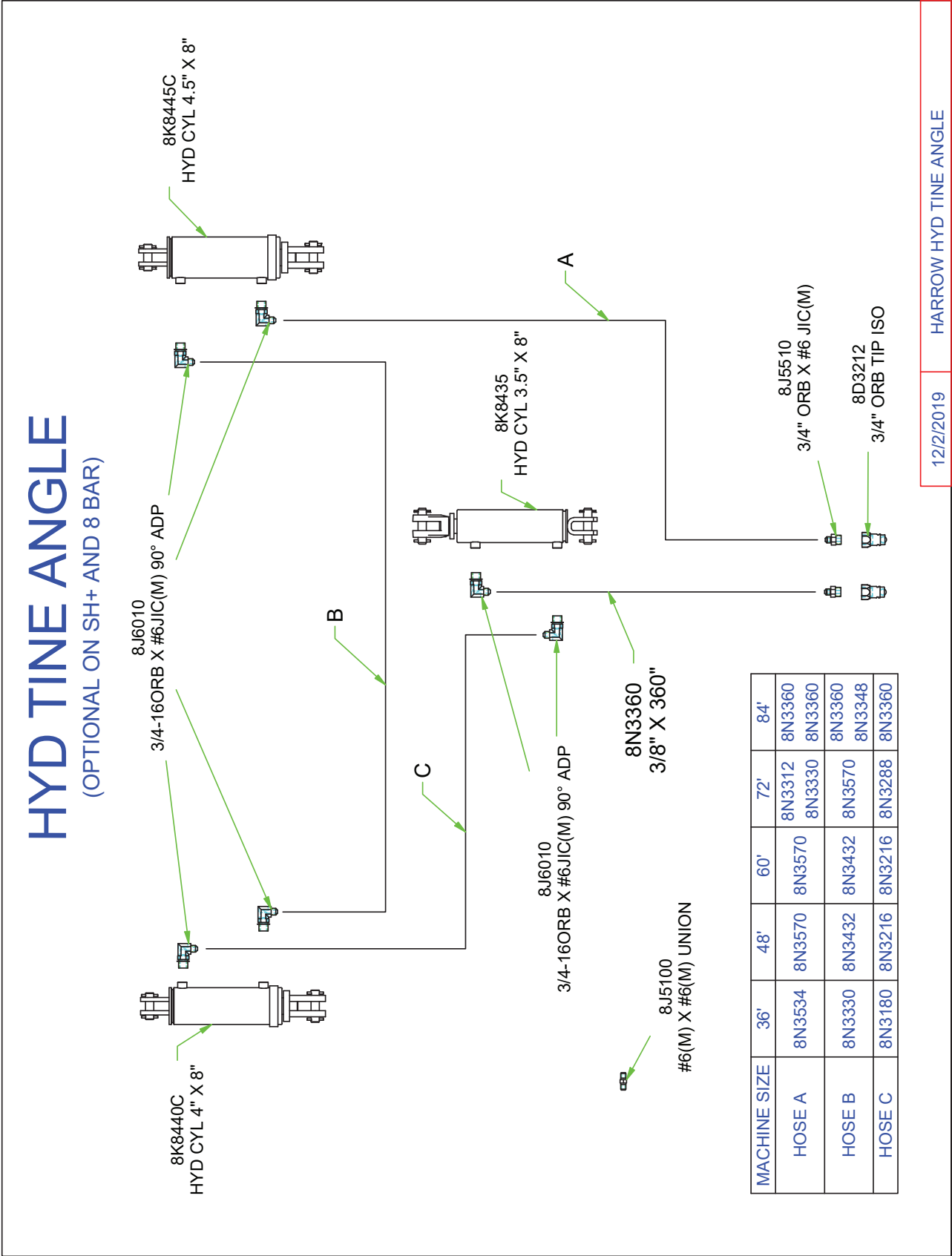
HARROW HYDRAULICS

DEPTH CONTROL HYD



12/2/2019

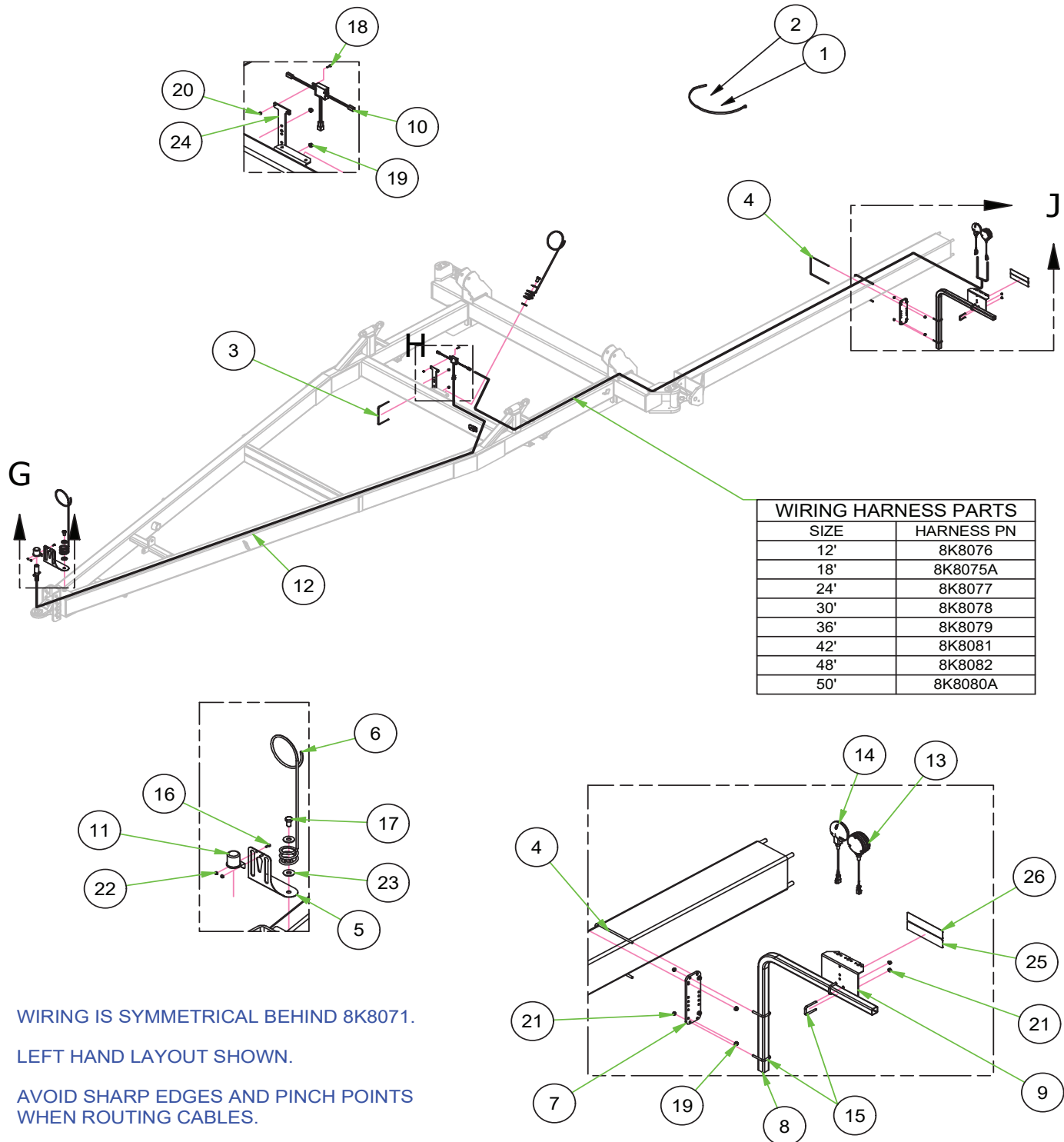
9HD7222 / DEPTH CONTROL HYD



HARROW HYD TINE ANGLE

12/2/2019

LIGHT KIT, 8"SQ DRAWBAR



WIRING IS SYMMETRICAL BEHIND 8K8071.

LEFT HAND LAYOUT SHOWN.

AVOID SHARP EDGES AND PINCH POINTS
WHEN ROUTING CABLES.

LEAVE SLACK AT HINGES AND KNUCKLES.
SECURE WITH NYLON TIES.

10/3/2016

LIGHT KITS, 8"SQ DRWBR

ITEM	PN	DESCRIPTION
1	8A4048	11" NYL TIE
2	8A4052	15-1/4" NYL TIE
3	8C1702	U-BOLT 3/8 X 8 X 5" SQ
4	8C1710	U-BOLT 3/8 X 8 X 9" SQ
5	8D8490	PIONEER/ISO TIP HLDR BNT
6	8D8500	HYD HOSE HOLDER PNTD BLK 91-
7	8K8000	STL 7K2045 3/8X3.5 PNTDLGHT
8	8K8010	TUBE LGHT BRCKT1.5SQ55.5"00-
9	8K8020	MOUNTNG BRCKT LIGHT 00-
10	8K8030A	MODULE AG ENHNCDW/BRAKE6PIN08
11	8K8067	DUST CAP FOR 7PIN CONNECT00-
12	8K8071	MAIN HARNESS 7PN 26' W/BRAKE
13	8K8090B	LIGHT LED AMBER 2WR DTSCH 12-
14	8K8095B	LIGHT LED RED 3WIRE DTSCH 12-
15	8L0258	U-BOLT 5/16 X 1-1/2 X 2-1/2"SQ
16	8X0000	BOLT 1/4-20X3/4" FLLTHD GR5 YZ
17	8X0110	BOLT 3/4-10NC X 1-1/4" GR5 YZ
18	8X0170	SCREW 8 X .75" FLANGE HD
19	8X0203	NUT 3/8"-16NC SERFLANG GR2 YZ
20	8X0208	NUT 8-32 HEX YZ SER FLNG
21	8X0211	NUT 5/16"-18NC SERFLANG GR2 YZ
22	8X0223	NUT 1/4"-20NC SERFLANG GR2 YZ
23	8X0318	WASHER 3/4"(13/16"ID)FLAT YZ
24	8X0803	LIGHT MODULE BRACKET
25	8Z0805	REFLCTR REDORANGE ADHSVBK99-
26	8Z0810	REFLECTOR RED ADHSV-BACK 98-

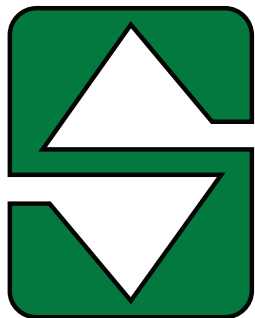
PN	DESCRIPTION	PN	DESCRIPTION
7C4020	SWIVEL PULL FRAME	8C2680	FRONT ATTCH SNGL LONG CABL 90-
7C4030	PIVOT TUBE PULL FRAME	8C2690	FRONT ATTCH DUAL CABLE 93-
8A1004	CLAMP HOSE 5" #72	8C2700	AUTO FOLD ARM LIFTER
8A4048	NYLON TIE .18 X 11"	8C2710	A-FLD ARM LFTER BLTPLATE 09
8A4050	NYLON TIE .30 X 8-7/8"	8C3150	WINGTUBE15' X 8SQ 40'HP+4RNKSW
8A4052	NYLON TIE .30 X 15.25"	8C3200	WINGTUBE20' X 8SQ 50'HP+4RNKSW
8A4054	NYLON TIE .30 X 24" BLK	8C3250	WINGTUBE 25' X 8SQ 60' HP 90-
8C0216	BEARING PLWBLCK 1-3/16" HD 11-	8C3300	WINGTUBE28'11" 8SQ 70HP&72'SH+
8C0432	HYD CYL 4 X 32" 3000PSI	8C3350	WINGTUBE 35' X 8"SQ 80' HP 90-
8C0532	HYD CYL 5 X 32" 3500PSI	8C4000	LIFT ARM SHRT HRRW PCKR 91-
8C1420	PIN 1 X 5-7/8" 22'HTCH PLTD	8C4010	LIFT ARM LONG HRRW PCKR 91-
8C1452	PIN 1 X 6-1/2" CYL DBLWSHR 90-	8C4020	PIVOT ARM SHRT 3/8" TINE HP 90-
8C1470	PIN 1-1/4 X 14" PIVOT 90-	8C4040	PIVOT ARM LONG 3/8" TINE HP 90-
8C1480	PIN 1-1/2 X 11-1/2" KNCKL 90-	8C4070	PULLFRAME ADJSTBL(3"SQ)HP 90-
8C1700	U-BOLT 3/8 X 2 X 4-7/8" SQ	8C4082	ARM ADJST COIL FRMD&PNTD 92-
8C1702	U-BOLT 3/8 X 8 X 5" SQ	8C4090	COUNTER BALANCE SH+/COIL 98-
8C1710	U-BOLT 3/8 X 8 X 9" SQ	8C4100	BRACE ANGLE 2 X 2- 33-1/4" 91-
8C1720	U-BOLT 1/2 X 2-5/8 X 3-3/4" SQ	8C4120	BRACE ANGLE 2 X 2- 63-1/4" 91-
8C1740	U-BOLT 1/2 X 4-1/4 X 7-1/4" RND	8C4510	COIL 5' X 1-3/4" W/SHAFT LEFT
8C1760	U-BOLT 3/4 X 8-1/16 X 6" SQ	8C4515	COIL 5' X 1-3/4" W/SHAFT RGHT
8C1780	U-BOLT 7/8 X 8-1/16 X 10" SQ	8C4560	COIL 5.5' X 1-3/4" W/SHAFT LEFT
8C1800P	KNUCKLE 88.25° OFFST LFT BLK	8C4565	COIL 5.5' X 1-3/4" W/SHAFT RGHT
8C1802P	KNUCKLE 88.25° OFFST RGT BLK	8C4610	COIL 6' X 1-3/4" W/SHAFT LEFT
8C1805	KNUCKLE 90° OFFSET MACHINED	8C4615	COIL 6' X 1-3/4" W/SHAFT RGHT
8C1805P	KNUCKLE 90° OFFSET PAINTED	8D0312	CLEVIS FOR EYE-EYE CABLE 99-
8C1900	CLAMP 1/2" WIRE ROPE	8D0720	HITCH PIECE CAST CAT .3CTD PNTD
8C1920	SPRING AFLDCABL 1.56"OD GLVNZD	8D0724	CLEVIS OPT HITCH CAT 3
8C1940	SPRING AFLD ARM 3.25"OD BLACK	8D1702	SPRING PRESSURE ASSY-ADJUSTABL
8C1942	SPRING AFLD ARM 3.075"OD RAW	8D1710	EYE BOLT SHORT 7/16" DIA
8C1950	SPRING AFOLD LOCK 3"OD BLACK	8D1720	EYE BOLT LONG 1/2" DIA
8C2200	HITCH 22' (8SQ DRWBR) 90-	8D1730	SPRING PRESS 3/8" C-HRRW OPT
8C2212	CENTER 22' HTCH 8"SQ-10' 18-	8D1740	PIPE 1/2" SCH80- 2-1/8" W/WSHR
8C2246	TRNSPRT LOCK 1/2X3X32"CYL 90-	8D1750	PIPE 1/2" SCH80- 1-1/4" -07
8C2260	BRCKT CABLE PULL 8"SQ WNG 90-	8D1760	CABLE 3/8 X 312 E-E SH+ REAR
8C2261	BRCKT FRICTION 8"SQ WNG 18-	8D1764	CABLE 3/8 X 364 E-E SH+ REAR
8C2270	CABLE GUIDE BRCKT SH+ 02-	8D1860	CABLE 1/2 X 246" E-E PLUS CHAIN
8C2280	JACK ATTCH BRCKT- WING 97-	8D1870	CABLE 1/2 X 262" E-E PLUS CHAIN
8C2314	OSCILLATING AXLE ASSY 2"RCVR18-	8D1880	CABLE 1/2 X 281" E-E PLUS CHAIN
8C2318	SPACR BRCKT HTCH AXL ATTCH 01-	8D1900	CABLE 1/2 X 324" E-E PLUS CHAIN
8C2329	ASSY OSC AXLE WO/HUBS614HD 16-	8D1920	CABLE 1/2 X 370" E-E PLUS CHAIN
8C2352P	AXLE W/FLAT 611_1.5"RCVR 8SQ -P	8D1920H	CABLE 5/8 X 348" E-E PLUS CHAIN
8C2422P	TRNSPRT AXLE W/2.5"RCVR 2"PIN -P	8D1930	CABLE 1/2 X 383" E-E PLUS CHAIN
8C2430	TRANSPORT AXLE W/812 HUB 90-18	8D1950H	CABLE 5/8 X 425" E-E PLUS CHAIN
8C2450	PIVOT W/PLATE 812TRNSPRT 90-	8D1970	CABLE 1/2 X 521" E-E PLUS CHAIN
8C2620	PIVOT BRCKT A-FLD 22'HTCH 90-	8D1980	CABLE 1/2 X 581" E-E PLUS CHAIN
8C2630	ARM A-FLD LEFT 20&22'HTCH	8D2100	CHAIN 6 LINK CASE HARDND-12.5"
8C2635	ARM A-FLD RIGHT 20&22'HTCH	8D2210	CHAIN 8 LINK CASE HARDEND-17"
8C2650	LOCK ASSY AUTOFLD 22'HTCH 90-	8D2300	CHAIN 9 LINK SECTION LIFT-19"
8C2660	BUSHING A-FOLD LOCK- 5/16" 90-	8D2402	CHAIN 3 LINK .75"DIA. PLATED

PN	DESCRIPTION	PN	DESCRIPTION
8D2410	CHAIN 9 LINK .625"DIA. ALLOY Z	8HD0550A	STOP/MNT BRCKT SPRING FLAT 16-
8D2460	SAFETY CHAIN 20200# 3/8" X 4'	8HD0580L	SET 8PIPEW/LFT LVR -HYDTINE 16-
8D2470	SAFETY CHAIN 30400# 7/16" X 5'	8HD0581	1ST PIPE W/LVR 6' 8BAR SH 16-
8D2730	PIN 1 X 2-3/4" CABLE PLATED	8HD0582	2ND PIPE W/LVR 6' 8BAR SH 16-
8D3046	IF280/70R15 134D ON 15X10X6WHL	8HD0583	3RD PIPE W/LVR 6' 8BAR SH 16-
8D3049	LT265/75R16 RAD ON 16X8X8 WHL	8HD0584	4TH PIPE W/LVR 6' 8BAR SH 16-
8D3212	MALE TIP 3/4"-16 ORB ISO	8HD0585	5TH PIPE W/LVR 6' 8BAR SH 16-
8D8490	PIONEER/ISO TIP HLDR BNT 97-	8HD0586	6TH PIPE W/LVR 6' 8BAR SH 16-
8D8500	HYD HOSE HOLDER PNTD BLK 91-	8HD0587	7TH PIPE W/LVR 6' 8BAR SH 16-
8D8502	HYD HOSE HOLDER H-DUTY BLK 14-	8HD0588	8TH PIPE W/LVR 6' 8BAR SH 16-
8D8537	JACK 7000# SIDE CRANK 15" LIFT	8HD0590A	SET 5PIPE 2/LVR 6'SPRNGADJ95
8D9102	PIN 1 X 4" CYL CTTR OR HAIRPIN	8HD0590L	SET5PIPEW/LEFTLVRVR-HYDTINE96-
8D9108	ROLL PIN 1/4 X 2" YLW ZNC	8HD6110	CROSS TUBE U-BLT ON 24"C-C
8D9118	HYD CYL 2.5 X8" W/O DPTHCNTRL	8HD6120	CROSSTUBE U-BLTATTCH 48"C-C
8G2281	NYLON TIE .187 X 7-1/2" BROWN	8HD6140	MOUNTING BRACKET SH+ SECTION
8G2285	NYLON TIE .187 X 7-1/2" GREEN	8HD6150	L TINE STOP1.75X1.75-6.25" 91-
8H0232	FLAT 5/16 X 1.5 - 47.5" (5')	8HD6160	EXT SHRT COIL MNT FOR 8SQ 96-
8H0260	FLAT 5/16 X 1.5 -18.5"CULTI	8HD6170	EXT LONG COIL MNT FOR 8SQ 96-
8H0350	U-BOLT 1/2 X 2 X 3" RND	8HD6174	PIVOT ARM SHRT SH+/COIL 96-
8H0352	U-BOLT 1/2 X 2 X 3" RND W/NUTS	8HD6176	PIVOT ARM LONG SH+/COIL 96-
8H0370	FLAT 5/16X1.5- 57" (5 BR)	8HD6180	LIFT ARM SH+ W/O TINEADJFC
8H0390	PIPE 1/2" SCH 80- 1" (5 BR)	8HD6182	LIFT ARM SH+ W/TINE ADJ FC
8H0410	SIDE ANGLE LEFT 5 BAR	8HD6200	6'SH+SECTION 5BAR RGHT LVR 94-
8H0411	SIDE ANGLE RGHT 5 BAR	8HD6460	CABLEATCH 3/8X2- 4.63" REAR03-
8H0641	1ST PIPE W/LEVER 5' 5 BAR	8HD6464	CABL GUIDE 7HD0100 PNTD 03-
8H0642	2ND PIPE W/LEVER 5' 5 BAR	8HD6620	WINGTUBE 11'0" (36'SH+) 8"SQ
8H0643	3RD PIPE W/LEVER 5' 5 BAR	8HD6634P	WINGTUBE LFT EXT 72'HP 8'SQ-P
8H0644	4TH PIPE W/LEVER 5' 5 BAR	8HD6635P	WINGTUBE RGT EXT 72'HP 8'SQ-P
8H0645	REAR PIPE W/LEVER 5' 5 BAR	8HD6636P	WINGTUBE LFT EXT 84'HP 8'SQ-P
8H0795	5 BAR 5' CULTI-HRRW SECTION	8HD6637P	WINGTUBE RGT EXT 84'HP 8'SQ-P
8H1110	HARROW TOOTH 3/8X 14"CULTIHRRW	8HD6638P	WINGTUBE LFT EXT 96'HP 8'SQ-P
8H1110S	HARROW TOOTH 3/8X 14"CULTI STR	8HD6639P	WINGTUBE RGT EXT 96'HP 8'SQ-P
8H1184S	HARROW TOOTH 1/2 X 26"	8HD6640	WINGTUBE 17'2" (48'SH+) 8"SQ
8H1184SC	HARROW TOOTH 1/2X26" CADN EDGE	8HD6650	WINGTUBE20'11"(56'SH2650)8SQ4T
8H1190S	HARROW TOOTH 9/16X 26"M106/SH+	8HD6660	WINGTUBE 23'0" (60'SH+) 8"SQ
8H1190SC	HARROW TOOTH 9/16X 26" CADN EDGE	8HD6680	WINGTUBE 34'10" (84'SH+)8SQ5T
8H1195S	HARROW TOOTH 5/8 X 28" M108	8HD6682	WINGTUBE36'11"(88'SH2650)8SQ6T
8H1320	COLLAR ADJSTMNT DOWN PRES	8HD6800	6'SH+SECTION 8BAR RGHT LVR 16-
8HD0064	SPRING FLAT 3/4X1-3/4- 60"PNTD	8HD7000	BUSHING ROCKSHFT HYD.TINE95-
8HD0068	SPRING FLAT 1X2- 92" PNTD	8HD7020	CYL ATTCH BASE HYD TINE 95-
8HD0080	PIPE CLAMP 2-1/2"ID PLATED ZINC YELLOW	8HD7040	CYL ATTCH ROD HYDTINEADJ 95-
8HD0150	PIN ADJSTMNT 5/8X9.75" YZ	8HD7060	LEVER(U-BLT ON)HYDTINEADJ 95-
8HD0160	COMPRESSION SPRING	8HD7080	CONNECTNG TUBE HYD TINE 95-
8HD0510	PIPE SPACER 3/4 X 2-3/4" 93-	8HD7100	STIFFNR FLAT3/8X2HYD TINE95-
8HD0520	TUBE 1-1/4X .76ID- 2-3/4" 95-	8HD7110	CLAMP ROCK SHFT HYD TINE 95-
8HD0532	ADJUSTMNT BAR3/8X2X19"FRNT	8HD7120	PIPE CAP ROUND SH+ 98-
8HD0540	CONNECTNG BAR 3/8X2X49-1/2"	8HD7130	ROCKSHAFT 4SQX6T- 54"HYD TINE
8HD0541	CNNCTNG BAR 3/8X2x49.5" W/BND	8HD7136	ROCKSHAFT 4SQX6T- 84"HYD TINE
8HD0542	CNNCTNG BAR 3/8X2x49.5" W/BND	8HD7148	ROCKSHAFT 4SQX6T- 156"HYDTINE

PN	DESCRIPTION	PN	DESCRIPTION
8HD7160	ROCKSHAFT 4SQX6T- 228"HYDTINE	8K8080A	EXT HARNESS 50' DEUTSCH 07-
8HD7172	ROCKSHAFT 4SQX6T- 300"HYDTINE	8K8081	EXT HARNESS 42' DEUTSCH 16-
8HD7184	ROCKSHAFT 4SQX6T- 372"HYDTINE	8K8082	EXT HARNESS 48' DEUTSCH 16-
8HD8200	LIFT ARM ASSY SH 2550	8K8090B	LIGHT LED AMBER 2WR DTSCH 12-
8HD8250	1ST PIPE W/LVR 8'SH2650 10-	8K8095B	LIGHT LED RED 3WIRE DTSCH 12-
8HD8255	2ND PIPE W/LVR 8'SH2650 10-	8K8200	BRCKT SMV ATTCH 4-8"FRAME98-
8HD8260	3RD PIPE W/LVR 8'SH2650 10-	8K8430	HYD CYL 3 X 8" RPHS 1.5 ROD
8HD8265	4TH PIPE W/LVR 8'SH2650 10-	8K8435	HYD CYL 3.5 X 8" RPHS 1.75"ROD
8HD8270	REAR PIPE W/LVR 8'SH2650 10-	8K8440C	HYD CYL 4 X 8" RPHS 2"ROD
8HD8300	SET5PIPE W/LVR 8'SPRNGADJ 09-	8K8445C	HYD CYL 4.5 X 8" RPHS 2"ROD
8HD8400	SECTION 8' 5 BAR SH 2650 09-	8K9102	PIN 1 X 4" CYL-FOR1/4"ROLL PIN
8HD8800	LIFT ARM ASSY SH 3568 16-	8L0258	U-BOLT 5/16 X 1-1/2 X 2-1/2"SQ
8HP2429	TRNSPRT AXLE W/2.5" RCVR	8N3018	3/8X 18"HYD HOSE #6FJX3000PSI
8HP2430	TRNSPRT AXLE W/3" RCVR	8N3048	3/8X 48"HYD HOSE #6FJX3000PSI
8HP2450	PIVOT W/PLATE SH+COILS TRNS 16	8N3084	3/8X 84"HYD HOSE #6FJX3000PSI
8HP6624P	WINGTUBE 24'7" (96'SH+) 8"SQ-P	8N3096	3/8X 96"HYD HOSE #6FJX3000PSI
8HP6700P	WINGTRUSS 26'4" (SH+COILS)-P	8N3124	3/8X 124"HYD HOSE #6FJX3000PSI
8J5100	#6 JIC(M) X #6 JIC(M) UNION	8N3180	3/8X 180"HYD HOSE #6FJX3000PSI
8J5300	TEE #6 JIC (MALE) 3X	8N3216	3/8X 216"HYD HOSE #6FJX3000PSI
8J5500	9/16"-18 ORB X #6 JIC(M) STR	8N3252	3/8X 252"HYD HOSE #6FJX3000PSI
8J5510	3/4"-16 ORB X #6 JIC(M) STR	8N3288	3/8X 288"HYD HOSE #6FJX3000PSI
8J5600	9/16"-18 ORB X #6 JIC(F-SW)STR	8N3300	3/8X 300"HYD HOSE #6FJX3000PSI
8J5680	3/4"-16 ORB X 3/4"-16ORB UNION	8N3312	3/8X 312"HYD HOSE #6FJX3000PSI
8J5700	#6 JIC(F-SW) X #6 JIC(M)90*ADP	8N3330	3/8X 330"HYD HOSE #6FJX3000PSI
8J6010	3/4"-16 ORB X #6 JIC(M)90*ADP	8N3348	3/8X 348"HYD HOSE #6FJX3000PSI
8J7000	BALL VALVE HYD 9/16"-18ORB(2X)	8N3360	3/8X 360"HYD HOSE #6FJX3000PSI
8J7116	3/4"-16 ORB(2X)1WAY 1/16"RESTR	8N3390	3/8X 390"HYD HOSE #6FJX3000PSI
8K1096	HUB&AXLE ASSY 611(1.5"RCVR)	8N3432	3/8X 432"HYD HOSE #6FJX3000PSI
8K1100	HUB&AXLE ASSY 614(GBGI-2"RCVR)	8N3462	3/8X 462"HYD HOSE #6FJX3000PSI
8K1105	HUB&AXLE ASSY HD812(2.5"RCVR)	8N3534	3/8X 534"HYD HOSE #6FJX3000PSI
8K1105S	HUB&AXLE ASSY HD812 (2"RCVR)	8N3570	3/8X 570"HYD HOSE #6FJX3000PSI
8K1106	HUB&AXLE ASSY HD817(2.5"RCVR)	8N3606	3/8X 606"HYD HOSE #6FJX3000PSI
8K1107	HUB&AXLE W/12K HUB 3" 96-	8P7185	COLLAR LR SWIVEL 11-
8K1620	PIN 1-1/4 X 6-1/8" 84-	8R6060	STL 12GA X 1.75- 4" W/HLS 08-
8K1720	EYEBOLT 1.25DIAX1"EYE YZ 12-	8R6065	PILLOWBLOCK CAP W/ZRK CASTPNTD
8K5515	U-BOLT 3/4 X 4-1/16 X 6" SQ	8R6067	PILLOWBLOCK CAP CAST PNTD 82-
8K7123	NUT 5/8"-18UNF WHEEL BOLT 97-	8R6145	EYEBOLT 3/4"-10NC X 5/8"EYE
8K7430	340/65R18 ON 18X11X8 WHL-1.5OF	8R6808	SPLITSTEELBUSH 1.25X 1"ID-.75"
8K7450	340/60R16.5 ON 16.5X11X8 WHL	8R6914	BOLT WHEEL 9/16"-18 UNF- 1.25"
8K7470	425/65R22.5 ON 22.5X12.25X10WH	8S0080	PIPE CLAMP, 1.90" ID PLATED
8K8000	STL 7K2045 3/8X3.5 PNTDLGHT09-	8S0340	U-BOLT 1/2 X 4 X 5-1/4" SQ
8K8010	TUBE LGHT BRCKT 1.5SQ PNTD 00-	8S1076	QUICKLINK 1/4" YELLOW ZINC
8K8020	STL 12GA MNTNG BRCKT LIGHT 00-	8S1120	SIGN SLOW MOVING VEHICLE(SMV)
8K8030A	MODULE AG ENHNCDW/BRAKE6PIN08-	8S1126	MNT SPADE W/HRDWR SMV SIGN
8K8067	DUST CAP FOR 7PIN CONNECT00-	8S2990	HYD HOSE CLAMP-LARGE-NYLON
8K8070B	MAIN HRNSS 7PN 32' W/BRAKE 09-	8S3095	CAPLUG FITS ISO HYD COUPLR 08-
8K8071	MAIN HRNSS 7PN 26' W/BRAKE 09-	8T3300	BOLT PIVOT CHSLTRP&WNGLFT YZ
8K8078	EXT HARNESS 30' DEUTSCH 16-	8T4385	HOLDER MANUAL-PAK 3/4/6MNT09-
8K8079	EXT HARNESS 36' DEUTSCH 16-	8W1204	U-BOLT 1/2 X 3 X 3" SQ

PN	DESCRIPTION	PN	DESCRIPTION
8W1357	HEX HEAD PLUG 9/16"-18 ORB	8X0113	BOLT 3/4-10NC X 5" GR5 YZ
8W1360	MANIFOLD BLOCK ALUMINUM 10PORT	8X0114	BOLT 3/4-10NC X 3" GR5 YZ
8W1398	HOLDDOWN HOSE 8" WIDTH 91-	8X0115	BOLT 3/4-10NC X 3-1/2" GR5 YZ
8W1800	CYL ATTCH WNG 7W1610 W/HLS 94-	8X0115A	BOLT 3/4NCX 3.5"FULLTHD GR5 YZ
8W1806	SPACER TUBE 1.25X.76- 1-1/16"	8X0116	BOLT 3/4-10NC X 6" GR5 YZ
8W1817	PVTW/2.5"SPNDL HLDR LFT WNG 16	8X0118A	BOLT 3/4-10NC X 4-1/4" GR5 YZ
8W1817H	PIVOT W/SPNDL HLDR WNG HD LFT	8X0121	BOLT 3/4-10NC X 6-1/2" GR5 YZ
8W1818	PVTW/2.5"SPNDL HLDR RGT WNG 16	8X0122	BOLT 3/4-10NC X 4-1/2" GR5 YZ
8W1818H	PIVOT W/SPNDL HLDR WNG HD RGT	8X0123	BOLT 3/4-10NC X 5-1/2" GR5 YZ
8W1819	PVT INNR WNG W/ROLLRS RGT 16-	8X0123A	BOLT 3/4NCX 5.5"FULLTHD GR5
8W1820	PVT INNER WING W/ROLLRS LEFT	8X0125	BOLT 3/4-10NC X 10" GR5 YZ
8W1821	PVT INNR WNG W/ROLLRS LFT 16-	8X0138	BOLT 1-8NC X 5-1/2" GR5 YZ
8W1822	PVT INNER WING W/ROLLRS RGHT	8X0140	BOLT 1-8NCX7" W/1.5"THDGR5 YZ
8W1830H	PVT PLATE WNG-1" 7W1650H PNTD	8X0142	BOLT 1-8NC X 3.5" GR5 YZ
8W1850	HITCH PIVOT ASSY 22' HDA 94-	8X0143	BOLT 1-8NC X 5" GR5 YZ
8W1860	CYL ATTCH HTCH UBLT LEFT 94-	8X0150	BOLT 1-8NC X 20" GR5 YZ
8W1862	CYL ATTCH HTCH UBLT RGHT 94-	8X0170	SCREW 8 X .75" FLANGE HD
8W1884	L UHMW 2.5X2.5X3/8- 13" W/HLS	8X0201	NUT 3/8"-16NC HEX GR2 ZDI
8W1886	STL 5/16 X 1.5- 11-3/8" 94-	8X0202	NUT 3/8"-16NC NY-LOCK GR2 YZ
8W1890	ROLLERTUBE 1.5 X 1"ID- 1.5" 94-	8X0203	NUT 3/8"-16NC SERFLANG GR2 YZ
8W1895	NYLATRON 1" ODX .76"ID- 1-1/2"	8X0208	NUT 8-32 HEX YZ SER FLNG
8X0000	BOLT 1/4-20X3/4" FLTHD GR5 YZ	8X0211	NUT 5/16"-18NC SERFLANG GR2 YZ
8X0008	BOLT 3/8-16NC X 2" GR5 YZ	8X0223	NUT 1/4"-20NC SERFLANG GR2 YZ
8X0016	BOLT 3/8-16NC X 3" GR5 YZ	8X0232	NUT 7/16"-14NC HEX GR2 ZDI
8X0021B	BOLT 5/16-18NC X 1-1/4"GR5 YZ	8X0234	NUT 7/16"-14NC NY-LOCK GR2 YZ
8X0033	BOLT 7/16X1.25 5/8"THD GR5 ZDI	8X0240	NUT 1/2"-13NC HEX GR2 YZ
8X0034	BOLT 7/16-14NC X 1.75" GR5 YZ	8X0242	NUT 1/2"-13NC NY-LOCK GR2 YZ
8X0036	BOLT 7/16-14NC X 2" GR5 ZDI	8X0245	NUT 1/2"-13 UNC CNTRLOCK GR2 Y
8X0062	BOLT 1/2-13NC X 2" GR5 YZ	8X0246	NUT 1/2"-13NC SERFLANG GR2 YZ
8X0063	BOLT 1/2-13NC X 1-1/2" GR5 YZ	8X0250	NUT 5/8"-11NC HEX GR2 YZ
8X0064	CRG 1/2-13NC X 1-1/2" GR5 YZ	8X0253	NUT 5/8"-11NC NY-LOCK GR2 YZ
8X0065	CRG 1/2-13NC X 2" GR5 ZDI	8X0259	NUT 3/4"-10NC JAM GR2 YZ
8X0067	BOLT 1/2-13NC X 2-1/4" GR5 ZDI	8X0260	NUT 3/4"-10NC HEX GR2 YZ
8X0068	BOLT 1/2-13NC X 2-1/2" GR5 YZ	8X0261	NUT 3/4"-10NC NY-LOCK GR2 YZ
8X0070	BOLT 1/2-13NC X 3-1/4" GR5 YZ	8X0265	NUT 3/4"-10NC CNTRLOCK GR2 YZ
8X0072	BOLT 1/2-13NC X 3-3/4" GR5 YZ	8X0268	NUT 7/8"-9NC HEX GR2 YZ
8X0073	BOLT 1/2-13NC X 5" GR5 YZ	8X0280	NUT 1"-8NC HEX GR2 YZ
8X0074	BOLT 1/2-13NC X 4-1/2" GR5 YZ	8X0281	NUT 1"-8NC NY-LOCK GR2 YZ
8X0075	BOLT 1/2-13NC X 6" GR5 YZ	8X0282	NUT 1"-14TPI TOPLOCK GR 8 Z
8X0076	BOLT 1/2-13NC X 5-1/2" GR5 YZ	8X0284	NUT 1-1/4"-7NC HEX GR2 YZ
8X0079	BOLT 1/2-13X4.12" SHLDR GR2 YZ	8X0286	NUT 1-1/2"-6NC JAM GR2 YZ
8X0082	BOLT 1/2-13NC X 6-1/2" GR5 YZ	8X0301	LOCKWASHER 3/8" YLW ZNC
8X0092	BOLT 5/8-11NC X 2-3/4" GR5 YZ	8X0303	LOCKWASHER 1/2" YLW ZNC
8X0093	BOLT 5/8-11NC X 2" GR5 YZ	8X0304	LOCKWASHER 5/8" YLW ZNC
8X0107	BOLT 3/4-10NC X 2" GR5 YZ	8X0306	LOCKWASHER 3/4" YLW ZNC
8X0110	BOLT 3/4-10NC X 1-1/4" GR5 YZ	8X0307	LOCKWASHER 7/8" YLW ZNC
8X0111	BOLT 3/4-10NC X 2-1/2" GR5 YZ	8X0309	LOCKWASHER 1" YLW ZNC
8X0112	BOLT 3/4-10NC X 2-1/4" GR5 YZ	8X0311	LOCKWASHER 1-1/4" YLW ZNC

PN	DESCRIPTION
8X0316	WASHER 1" SAE FLAT YZ
8X0317	WASHER 3/4" SAE FLAT YZ
8X0318	WASHER 3/4"(13/16"ID)FLAT YZ
8X0323	WASHER 5/8" SAE FLAT YZ
8X0327	WASHER 1-1/4" SAE FLAT YZ
8X0330	WASHER 17/32"ID X 1.25"OD YZ
8X0330B	WASHER 17/32"ID X 1.25"OD BLACK
8X0362	WASHER 2.03IDX2-7/8ODX 9GA PLN
8X0366	WASHER 2.03IDX2-7/8ODX 1/4"PLN
8X0400	HAIR PIN CLIP 1/8 X 1-15/16"
8X0414	COTTER PIN 1/4 X 2" YZ
8X0415	COTTER PIN 3/16 X 1-1/2"
8X0418	COTTER PIN 5/16 X 2-1/2" YZ
8X0420	CLEVIS PIN 7/16 X 1-3/4" ZDI
8X0520	ROLL PIN 3/16 X 2" ZINC CLEAR
8X0605	SET SCRW SQ HD 7/16-14X 1" ZDI
8X0665	SET SCRW SQ HD 3/4-10X4.5" YZ
8X0721	ZERK 5/16"-24 NF STR YZ
8X0728	ZERK STANDOFF 1/8" NPT X 3"
8X0803	STL .25 MODULE BRACKET 16-
8X0960	CAN SPRAY PAINT SUMMERS GREEN
8X0962	CAN SPRAY PAINT SUMMERS BLACK
8X1120	CRG 3/8-16NC X 2" GR2 ZN
8X1130	CRG 3/8-16NC X 3" GR2 ZN
8Z0018	BAG ZIP LOCK 10 X 12" 4MIL
8Z0055	PLATE SERIAL NUMBER UNIVRSL
8Z0101	2" SUMMERS DECAL
8Z0800	REFLECTOR AMBER ADHSVBCK98-
8Z0805	REFLCTR REDORANGE ADHSVBK99-
8Z0810	REFLECTOR RED ADHSV-BACK 98-
8Z1000	MANUAL-PAK 3DIA X 11.75" 09-
8Z1101	OPER/SETUP MAN22'HTCH SH+HP SW
8Z2100	DECAL SH3960 ID 36'-84' (SH+)
8Z2103	DECAL SH3568 ID 36'-84' 8BAR S



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Rock Picker



Land Rollers/Packers



Cultivators/Harrows



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Sprayers

