

# SUMMERS®

## Operator's Manual

### CULTI-HARROW SUPERHARROW

### 3-RANK SUPERWEEDER *HDC*

#### 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.

SUMMERS MANUFACTURING CO., INC.

WEB SITE: [www.summersmfg.com](http://www.summersmfg.com)

MADDOCK, NORTH DAKOTA 58348 ..... (701) 438-2855  
DEVILS LAKE, NORTH DAKOTA 58301 ..... (701) 662-5391

# Warranty

Summers warrants only products of its manufacture against operational failure caused by defective materials or workmanship which occur during normal use within 12 months from the date of purchase by the end user from Summers' dealer.

Summers' obligation is to replace free of charge any part of any product that Summers inspection shows to be defective excluding transportation charges to Maddock, ND or 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 herein 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.**  
**MADDOCK, NORTH DAKOTA 58348**  
**DEVILS LAKE, NORTH DAKOTA 58301**

## INTRODUCTION

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This manual provides information about **Safety, Assembly, Operation** and **Parts** for the **Summers Culti-Harrow, Superharrow and 3-Rank Superweeder** featuring the **Summers 16 and 20 Ft. Hitch**.

Please refer to these sections before assembling or operating your machine.

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

It is the policy of the 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 any time without incurring obligations to install such changes on products previously delivered.

Summers Mfg. Co., Inc. strongly recommends that each Operator READ and UNDERSTAND the Operator’s Manual before using the machine. In addition, this Operator’s Manual should be reviewed at least ANNUALLY thereafter.

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 back section of manual for description of each Part Number.

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- Section 7: OPERATION – ALL MACHINES**
- Section 8: PARTS – ALL MACHINES**
- Section 9: PART NUMBERS and DESCRIPTIONS**

<b>OWNER REGISTER</b>	
Name _____	Size _____
Address _____	Serial Number _____ <small>(located on frame)</small>
City _____	
State/Prov. _____	Date Purchased _____
Mail Code _____	Dealer _____

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## SECTION 1 - SAFETY

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### SAFETY-ALERT SYMBOL



This symbol is used to denote possible danger  
And care should be taken to prevent bodily  
injury. This symbol means:

**ATTENTION! BECOME ALERT!  
YOUR SAFETY IS INVOLVED!**

Definition of each **Signal Word** used in conjunction with the **Safety-Alert** symbol.



indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. This signal word is to be limited to the most extreme situations.



indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

### GENERAL SAFETY PRACTICES

1. **READ AND UNDERSTAND** Operator's Manual before using machine. Review at least annually thereafter.
2. **VERIFY** all safety devices and shields are in place before using machine.
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. **ALWAYS** make sure that pressure is relieved from hydraulic circuits before servicing.
7. **DO NOT ALLOW RIDERS.**
8. **USE EXTREME CARE** when adjustments.
9. **KEEP CHILDREN AWAY** from machinery at all times.
10. **NEVER ALLOW** anyone to walk or work under a raised piece of equipment without installing transport locks.

## SAFETY DURING TRANSPORT

1. **ONLY TOW** at a safe speed. Use caution when making corners or meeting traffic.
2. **USE** a 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 maximum width regulations when transporting on highways.



### IMPORTANT INFORMATION ON 16 & 20 FT. HITCH MACHINES WITH NEGATIVE HITCH WEIGHT

Because of the large wing size of certain Summers Culti-Harrows and because of the added weight on all Summers Superweeder and Superharrows, the hitch on these machines often becomes “light” in transport position. This means that there is no downward weight on the hitch and as a result, the hitch will rise if unhitched. In these cases, special precautions must be taken as discussed below. This condition can exist even if the hitch is equipped with a spray or granular attachment.

**NEVER** unhitch a machine that has been opened up into field position and has not been completely lowered to the ground. If the machine has been completely lowered to the ground and parked in a level area, it may be unhitched with ordinary care. **NEVER** unhitch a machine in transport position from a tractor, pickup, truck or other towing unit unless the following precautions are taken.

1. Determine if the hitch has a positive or negative weight. Insure that there is no side pressure on the hitch pin before determining positive or negative tongue weight. If the Culti-Harrow, Superweeder and Superharrow's hitch piece or clevis is resting on the towing unit's hitch and cannot be lifted off, positive tongue weight exists. The machine can be unhitched by lowering the hitch jack, stabilizing with one wing tube jack and following steps 2 and

4. If positive tongue weight does not exist, follow steps 2 through 4.

2. Park the machine on a level area and block the hitch tires and wing transport tires so the machine cannot roll forward or backward. This is very important even if the machine is parked on level ground, strong winds often move unblocked machines.

3. Lower the wing tube jacks until enough weight is transferred to the hitch to keep it from rising. Check this by observing the machine hitch. With the hitch pin installed but not binding with the machine hitch, check that the machine hitch no longer has a tendency to rise.

4. Disconnect all hydraulic lines. Again check that the hitch pin is free. There should be no side force on the pin and it should turn freely. If free, stand off to the left side of the hitch and remove the hitch pin. Carefully drive ahead.

**IMPORTANT:** The positioning of the transport wheel assemblies on the wing tubes of the machine is very critical in determining hitch weight. Moving transport wheel assemblies forward will increase hitch weight and moving them rearward will decrease hitch weight.

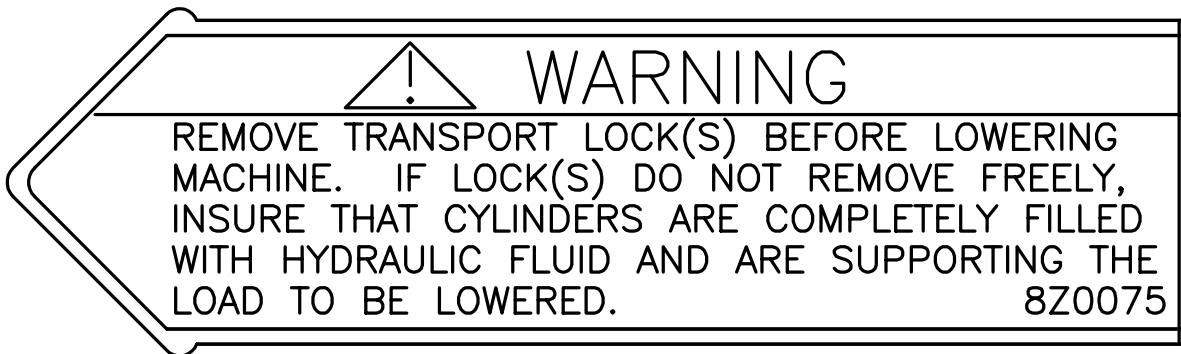
  
**SECTION 1 - SAFETY**

**SAFETY DECALS**

1. KEEP SAFETY DECALS AND REFLECTORS CLEAN.

2. **REPLACE** missing or unreadable decals. New decals are available from your Summers dealer by stating correct part number (PN) located in lower right hand corner.

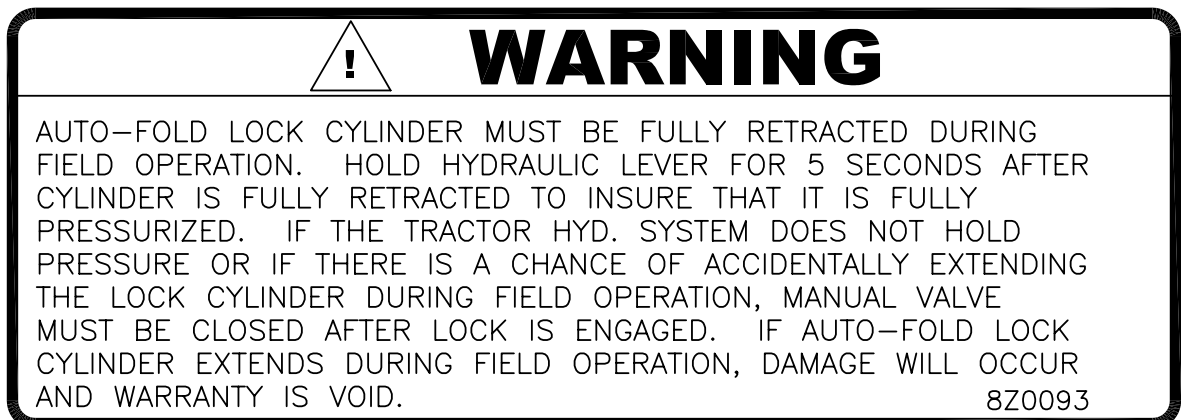
1. **TRANSPORT LOCK DECAL (PN 8Z0075) – Used on all machines.**



2. **HITCH WARNING DECAL (PN 8Z0092)**

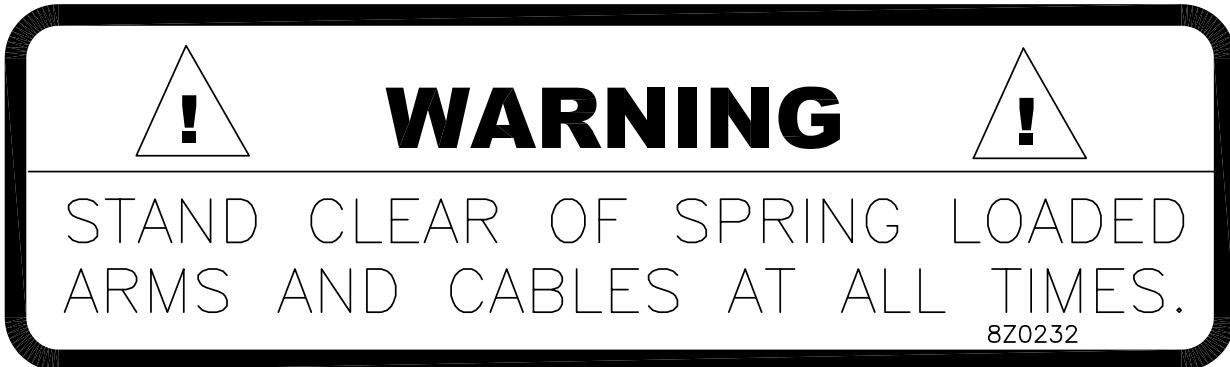


3. **AUTO-FOLD WARNING DECAL (PN 8Z0093) - 20' HITCH ONLY**

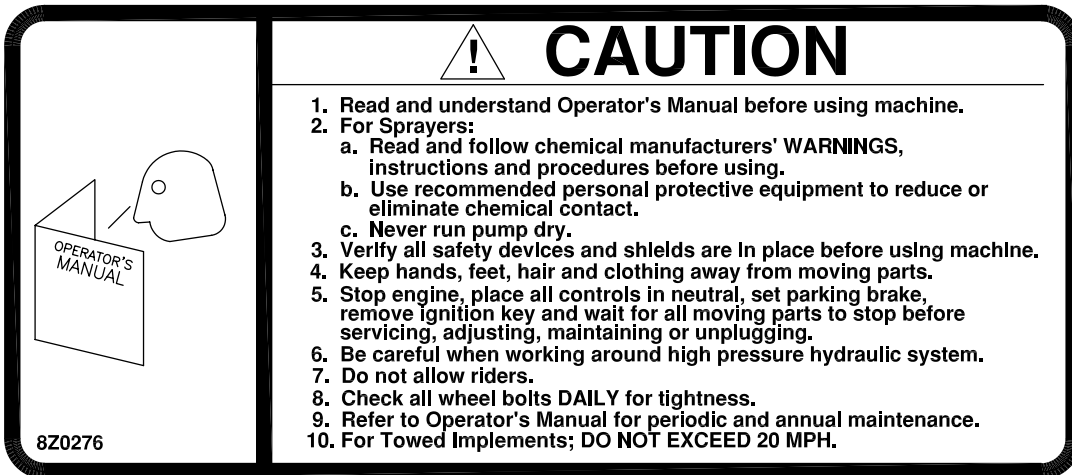


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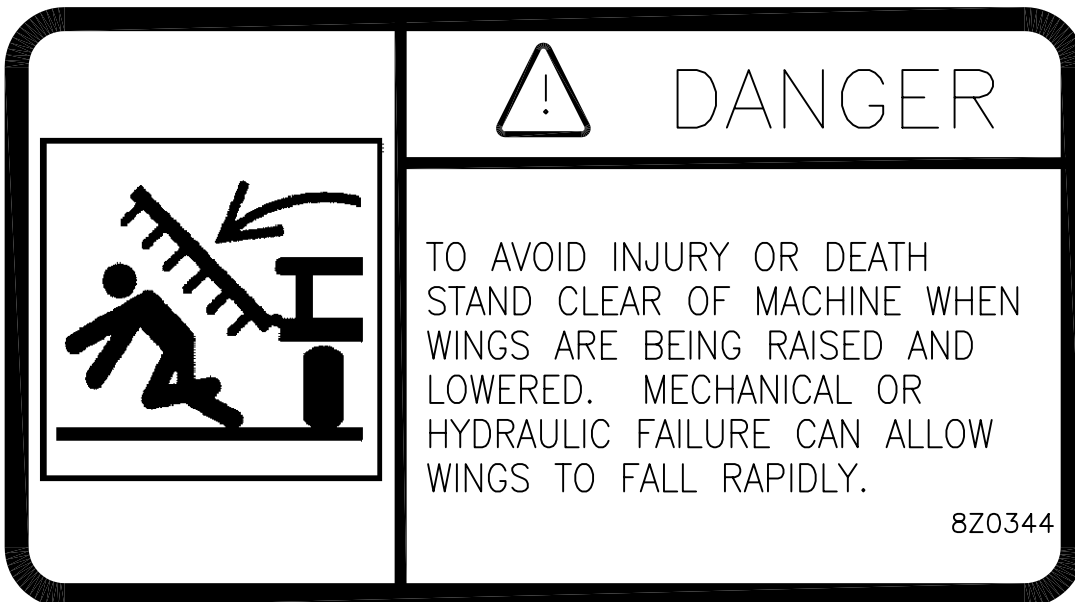
4. AUTO-FOLD ARM WARNING DECAL (PN 8Z0232)



5. GENERAL CAUTION DECAL (PN 8Z0276)



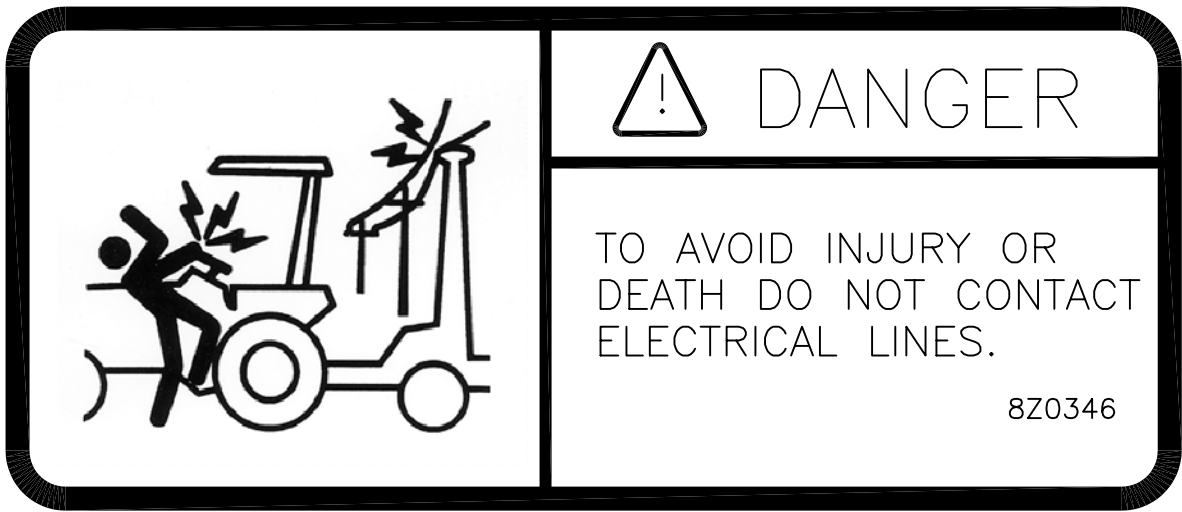
6. WING DANGER DECAL (PN 8Z0344)



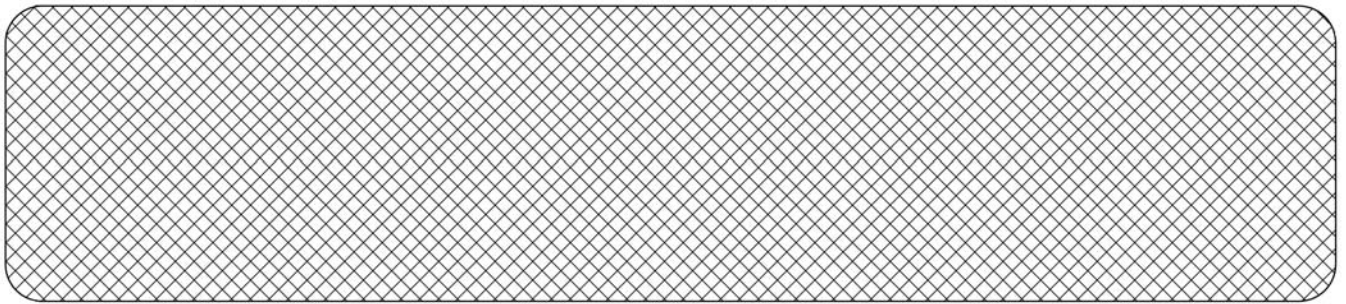


SECTION 1 -  SAFETY

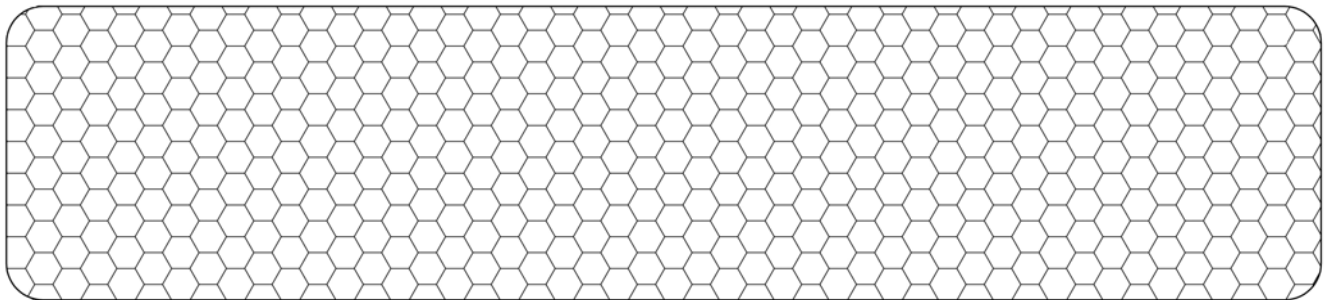
7. ELECTROCUTION DANGER DECAL (PN 8Z0346)



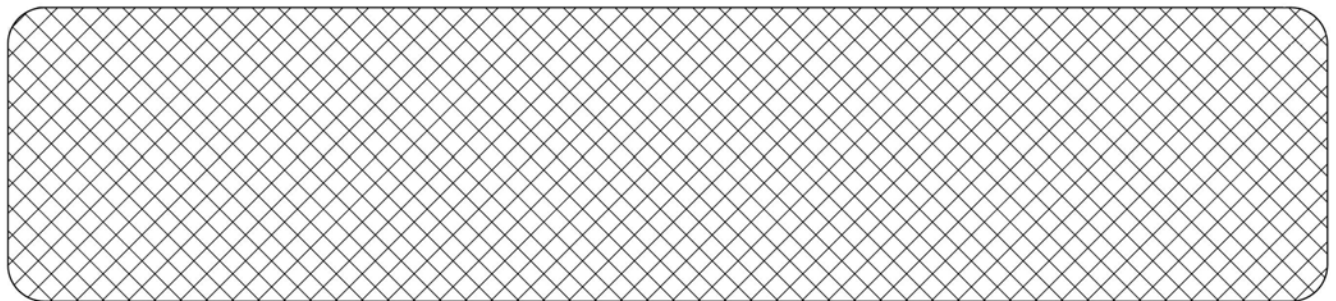
8. AMBER REFLECTOR (PN 8Z0800)




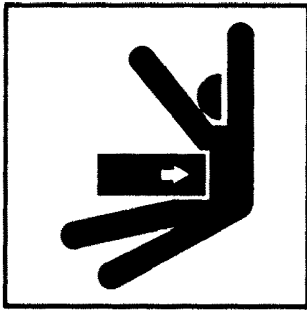

9. RED-ORANGE REFLECTOR (PN 8Z0805)



10. RED REFLECTOR (PN 8Z0810)

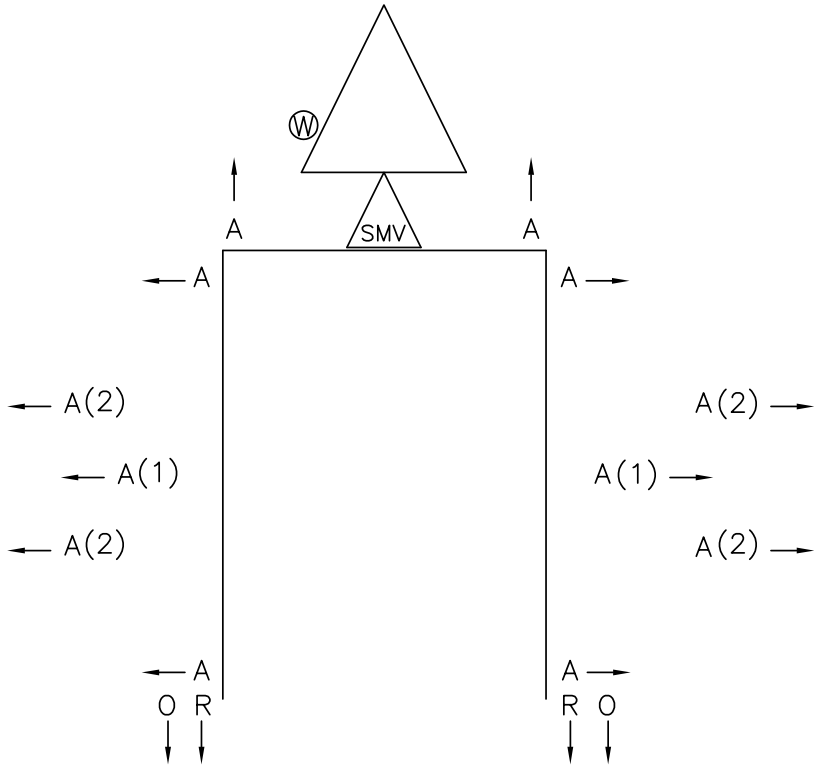


11. PINCH POINT DECAL (PN 8Z0087)

		<p> DANGER</p> <p>FRAME PINCH POINT HAZARD <i>KEEP AWAY</i></p> <p>To prevent serious injury or death from crushing:</p> <ul style="list-style-type: none"><li>• Stay away from frame hinge area when folding wings.</li><li>• Keep others away.</li><li>• Do not fold wings when bystanders are present.</li></ul> <p>8Z0087</p>
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# REFLECTOR LOCATIONS

**Summers Mfg. Co., Inc.  
Tillage Implements**



## Drawbar Machines

PRODUCT SIZE	QTY ORANGE
ALL	2

PRODUCT SIZE	QTY RED
ALL	2

PRODUCT SIZE	QTY AMBER
ALL	6
(1) MACHINES 44' - 78'	ADDITIONAL 2
(2) MACHINES 79' - 112'	ADDITIONAL 4

## Legend

Ⓜ = Wing Danger Decal (8Z0344)

A = Amber Reflector (8Z0800)

O = Orange Reflector (8Z0805)

R = Red Reflector (8Z0810)

 = SMV Attach Bracket (8K8210)  
w/Hardware

## SECTION 1 - SAFETY

### GENERAL ASSEMBLY SAFETY PRACTICES



YOU ARE RESPONSIBLE for the safe assembly of the machine.



DO NOT ALLOW CHILDREN or other unauthorized persons within the assembly 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 modification 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, 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 or disconnecting from tractor.



USE EXTREME CARE when servicing or adjusting.

### GENERAL ASSEMBLY INSTRUCTIONS

1. READ AND UNDERSTAND Operator's Manual before assembly of machine.
2. Reference to "RIGHT" and "LEFT" is determined when machine IS VIEWED FROM THE REAR.
3. Reference to "FORWARD" means TOWARDS THE TRACTOR.
4. Reference to "REAR" means AWAY FROM THE TRACTOR.

## SECTION 2 – SET-UP INSTRUCTIONS — CULTI-HARROW

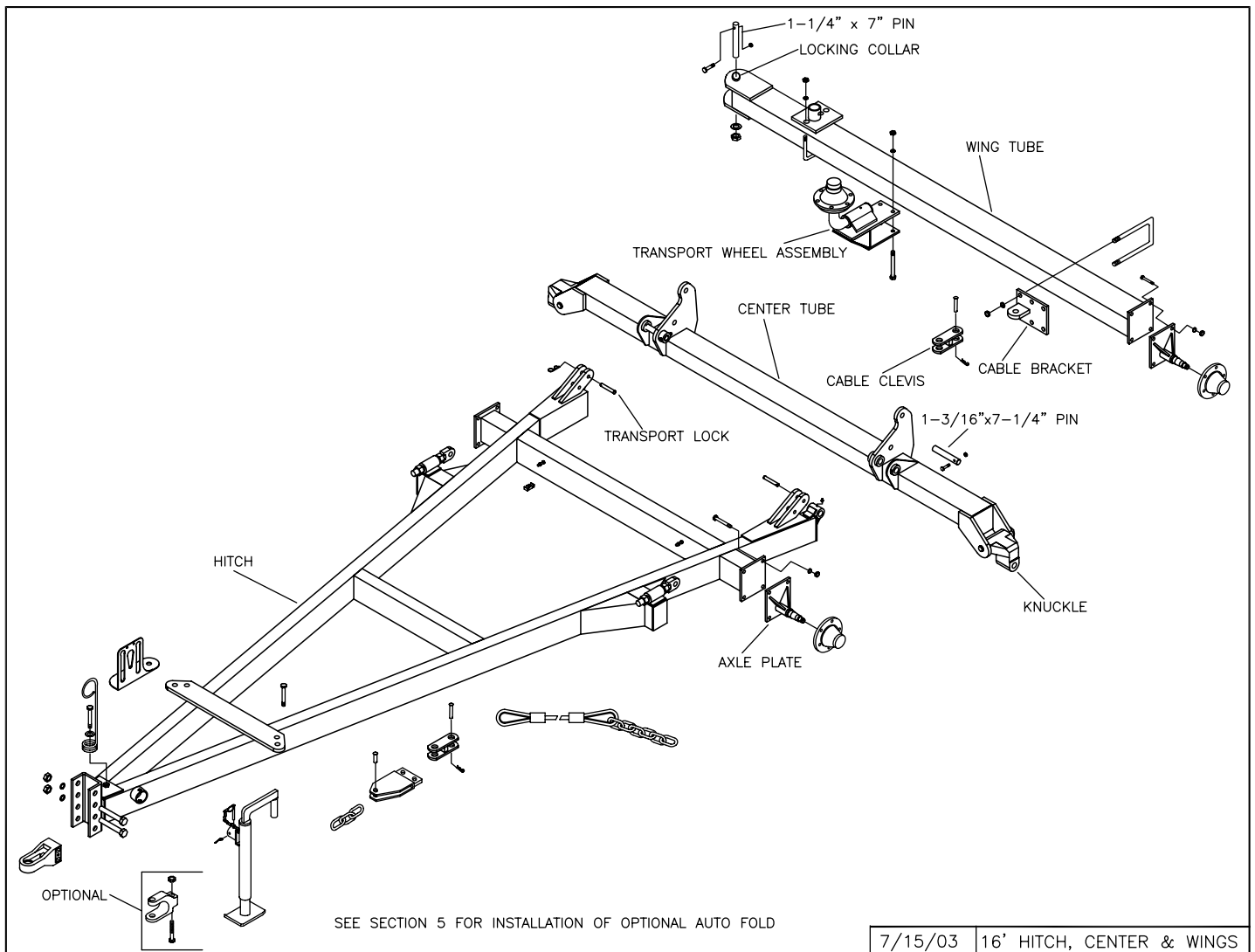


Fig. 1

The machine should be placed in an area that allows ample room for assembly in field position (See Fig. 1).

**CAUTION: For safety purposes, block equipment while working on it.**

Refer to illustrations and parts listing on pages 8-2 through 8-20 and follow these steps when assembling.

### 16' HITCH ASSEMBLY

#### HITCH, HUBS AND WHEELS

Mount axle plates with spindles down for 11L tires and with spindles up for 14L tires. Mount hitch wheels and tires and install hitch jack.

#### CENTER WING DRAWBAR TUBES FOR 16' HITCH

Attach center tube to hitch using (2) 1-3/16" x 7-1/4" pins and secure with 7/16" x 3" bolts and locknuts. Attach wing tubes to center tube knuckles using 1-1/4" x 7" pins. When in field position, the locking collar is on top. Insert a 7/16" x 3" bolts through locking collar and hole in top of each pin, secure with locknut. Secure pin with 1" flat washer and 1" NC lock jam nut.

**IMPORTANT: Be sure to install wing tube spindles with spindle down when in field position.**

Mount support wheels and tires. Do not mount transport wheel assemblies until lift arms are positioned.

## SECTION 2 – SET-UP INSTRUCTIONS — CULTI-HARROW

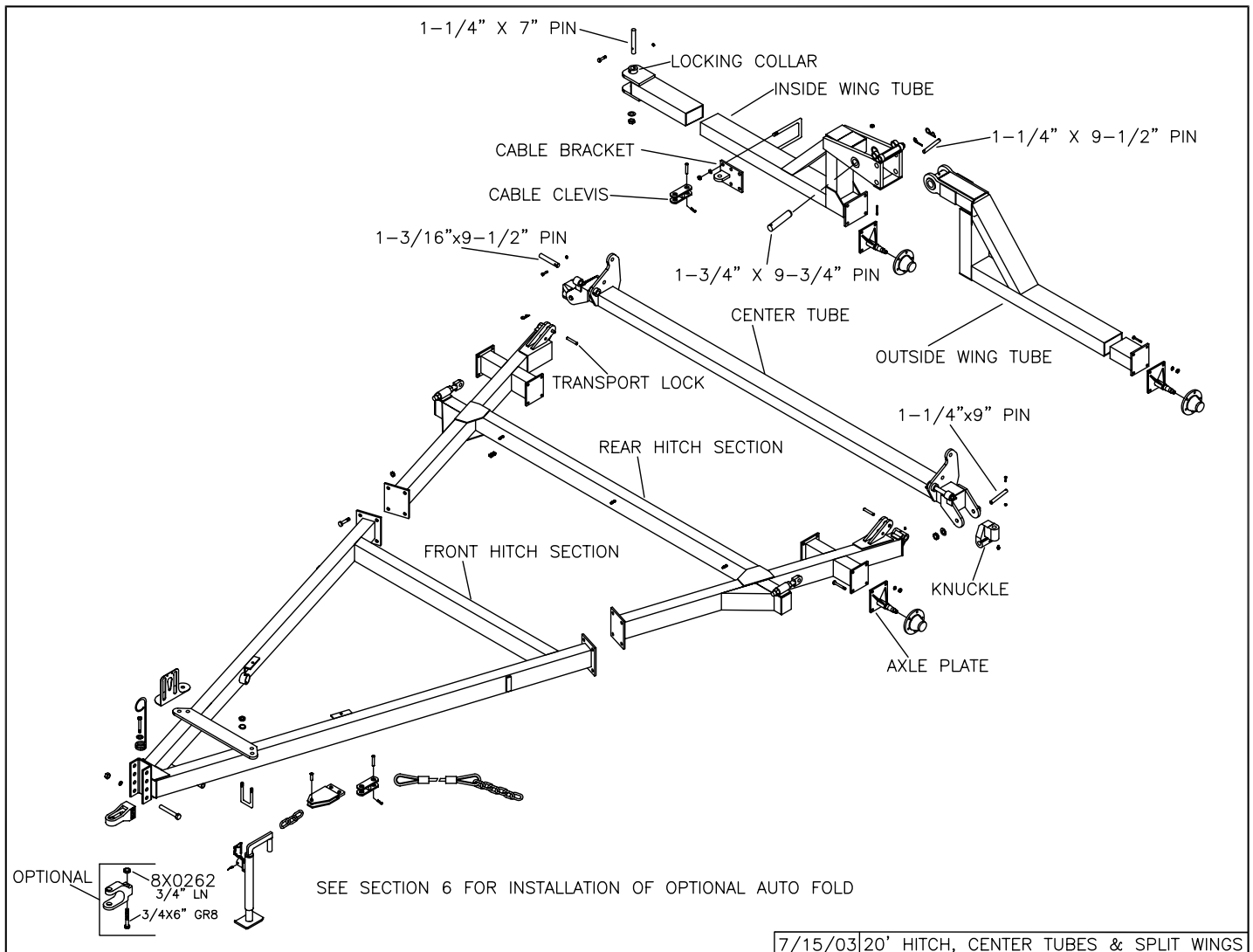


Fig. 2

### 20' HITCH ASSEMBLY

Bolt the two A-frame sections of the hitch together, using eight 7/8" bolts and locknuts.

NOTE: Since these larger pieces have a tendency to warp when welded, it may be necessary to pull the legs of the hitch together to match the center tube brackets.

### HITCH, HUBS AND WHEELS

Mount axle plates with spindles down for 11L tires and with spindles up for 14L tires. Mount hitch wheels and tires and install hitch jack.

### CENTER WING DRAWBAR TUBES FOR 16' HITCH

Attach center tube to hitch using (2) 1-3/16" x 9-1/2" pins. Secure with 7/16" x 3" bolts and locknuts. Attach inside section of hinged-wing with 1-1/4" x 7" pin and secure with 7/16" x 3" bolt and locknut. Secure pins with 1" flat washer and 1" NC lock jam nut.

Attach outside wing and secure with 1-3/4" x 9-3/4" pin, 7/16" x 3-1/2" bolt and lock nut. Mount wing tube spindles with spindle down in field position. Do not install transport wheel assemblies until lift arms are positioned.

## SECTION 2 – SET-UP INSTRUCTIONS — CULTI-HARROW

### LIFT ARMS

Attach the lift arms to the wing tubes using 7/16" x 7-1/4" bolts. Start at machine center and measure outward using the following guide.

All measurements are to the center of the lift arms. The end lift arm on each wing should be close to the end wheel so the section harrows out the wheel track.

In cases where both 5-1/2' and 7' sections are used on the wings, the 7' sections are used on the ends.

### SECTIONS:

Assemble 5 bar section linkage as shown in figure 4.

The sections are attached as shown in figure 3. Connect the 8-link pull chain to the middle hole of the lift arm using a clevis pin and hair pin. Connect the 6-link pull chain to the bottom hole of the lift arm using a 1/2" x 2" bolt, lockwasher and nut. Position harrow section as shown and secure using a 1/2" x 2" carriage bolt, flat washer and lock nut to attach one chain on each side of bracket.

Secure with heavy flatwasher and locknut. Repeat for other side of section.

Attach the 9-link lift chain to the lift arm with a 7/16" x 2" bolt. Attach the lift chain to the section with a 1/2" x 1-1/2" carriage bolt inserted in the front hole.

### OPTIONAL SPRING PRESSURE

To assemble the optional spring pressure to the lift arms, first insert an eye-bolt through the lift arm with the eye toward the outside of the harrow section (See figure 5). Attach other end to the harrow section with a 1/2" x 2-1/4" bolt, lock washer and nut. Install a bushing between the eye-bolt and section as illustrated. Repeat for the other side of the section.

### TRANSPORT WHEELS

Install the transport wheel as shown in Fig. 1. Place the transport wheel assembly over the end section on units up to 56 ft. On sizes over 56 ft., install over the second section or between end sections. On the 84 ft. model, install wheel between the two end sections. On the 98 ft. model, install wheel over the second section from the end. On the 112 ft. model, install wheel between the second and third sections from the end.

Secure with two 5/8" x 5-1/2" bolts, lock washers and nuts.

**NOTE: Transport wheel brackets are made for left and right and are not interchangeable.**

**IMPORTANT: The positioning of the transport wheel assemblies on the wing tubes of the machines is very critical in determining hitch weight. Moving transport wheel assemblies forward will increase hitch weight and moving rearward will decrease hitch weight. See the "Warning Regarding Machines With Negative Hitch Weight" on page 1-2 for**

	SECTION SIZE	
	5-1/2' 5 BAR	7' 5 BAR
Space from drawbar center to first lift arm on either side	16-1/4"	16-1/4"
Space between lift arms over section	32-1/2"	52"
Space between lift arms of adjoining sections	32-1/2"	31"

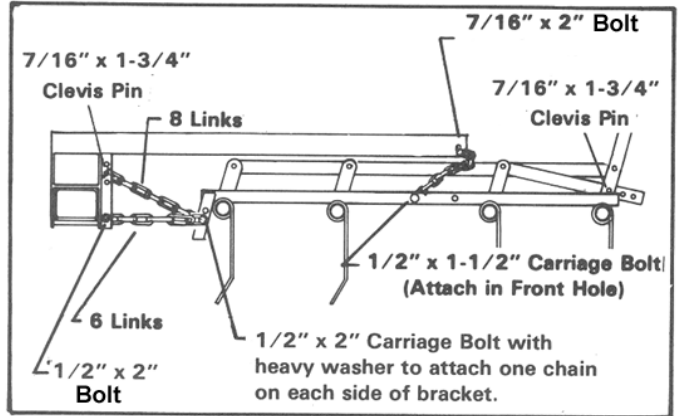


Fig. 3 Harrow Section Mounting

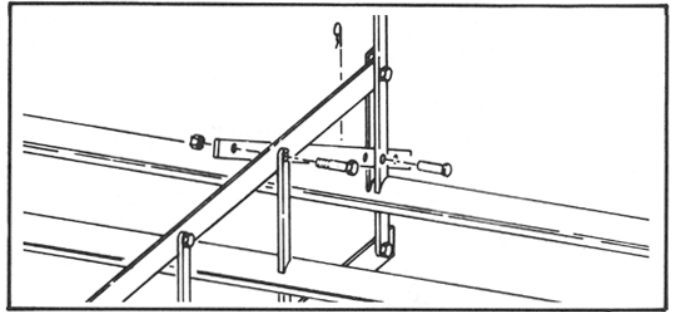


Fig. 4 5-Bar Section Linkage Assembly

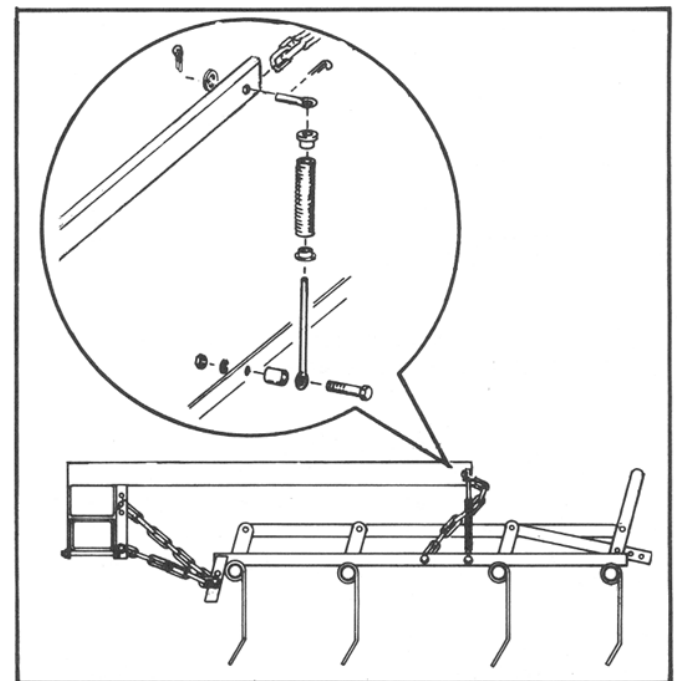


Fig. 5 Spring Pressure Assembly

## SECTION 2 – SET-UP INSTRUCTIONS — CULTI-HARROW

more information.

### WING TUBE JACK BRACKET

Harrows without sprayers on hitch may require the transport wheel assemblies to be positioned further ahead to provide a better balance on the hitch. A wing tube jack bracket is provided with all machines and allows for mounting the hitch jack on the wing tube for added stability. (See Fig. 6).

### CABLES

Install cable brackets and cable assemblies as shown in figures 1, 2 and 7. Secure brackets using 3/4" U-bolts, lock washers and nuts. Two cables are required for each wing on the hinged wing models.

To prevent outside cable from catching on transport tire on 112' Culti-Harrows, install cable guides directly behind transport tire as shown on page 8-10.

**NOTE:** Adjust cables so wings slightly lead center when standing in field position.

**IMPORTANT:** On machines with two cables per wing, the cables must be adjusted to have equal tension.

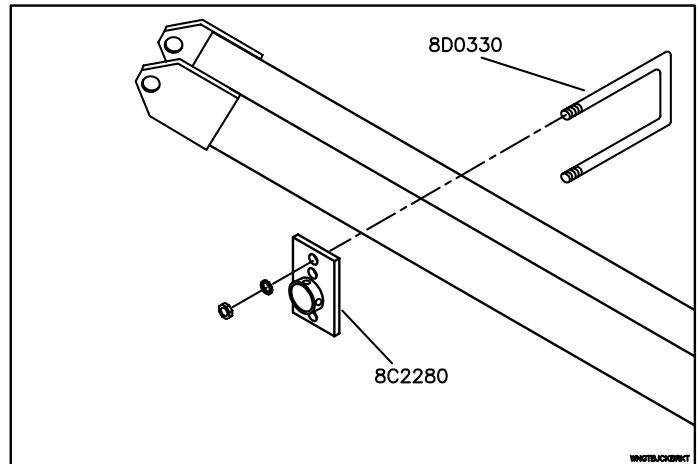


Fig. 6 Wing Tube Jack Bracket

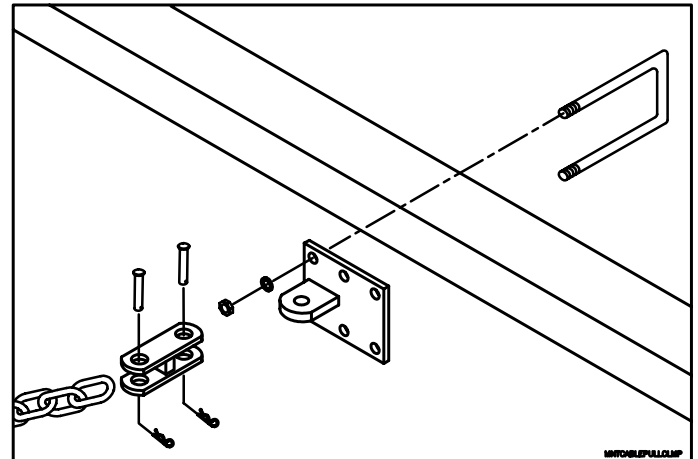


Fig. 7 Mounting Cable Pull Clamps



HYDRAULIC SYSTEMS FOR MACHINES WITH 16 OR 20 FT. HITCHES

Mount lift cylinders and assemble hose lines as shown in figures 19 and 20.

the lift cylinders requires a restrictor valve on the tractor end. Thread this valve on with the arrow pointing back towards the cylinders as illustrated.

**NOTE:** The hydraulic line leading from the rod-end of

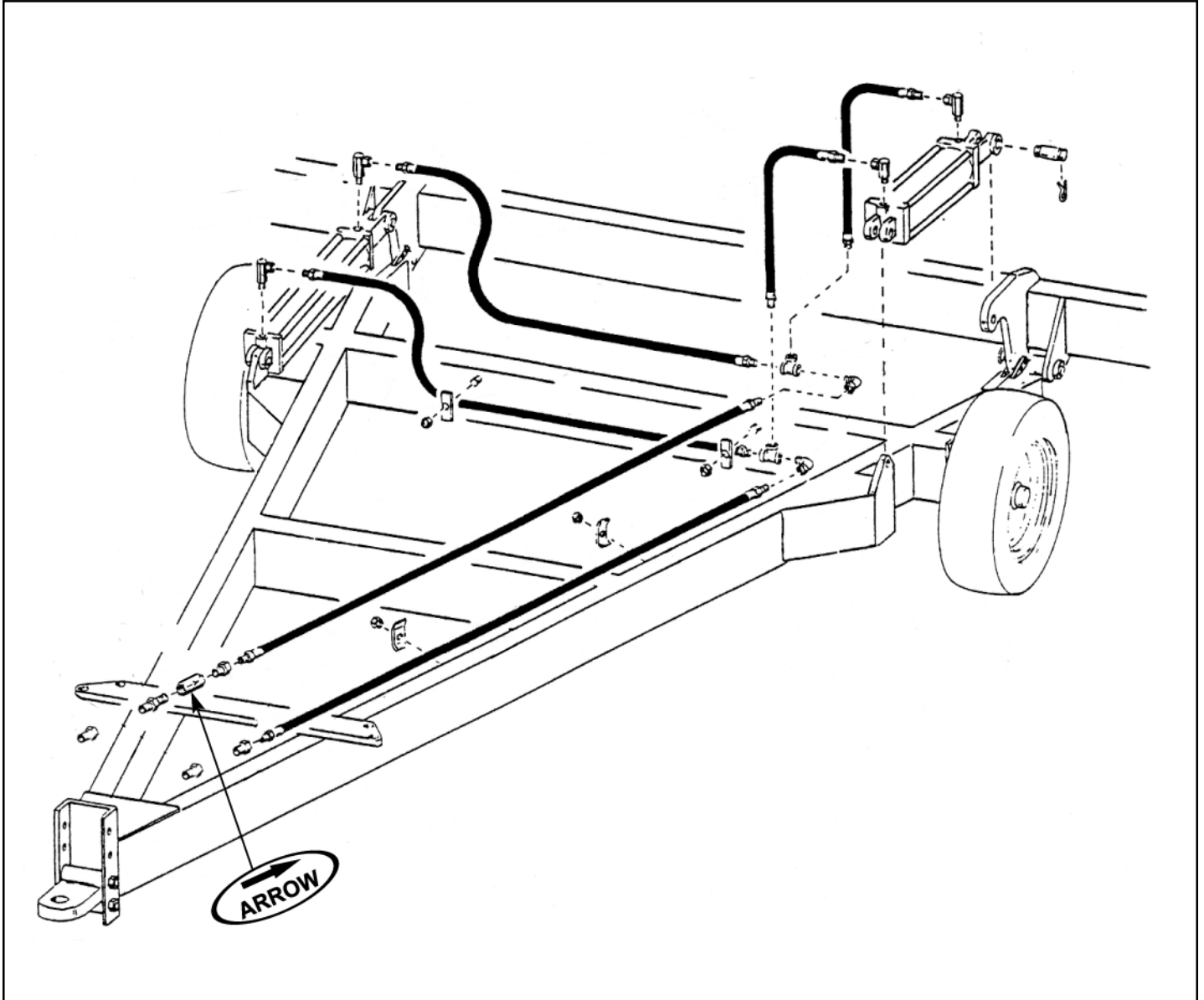


Fig. 19 Hydraulic Lift System - 16 ft. Hitch

SECTION 2 – SET-UP INSTRUCTIONS — CULTI-HARROW

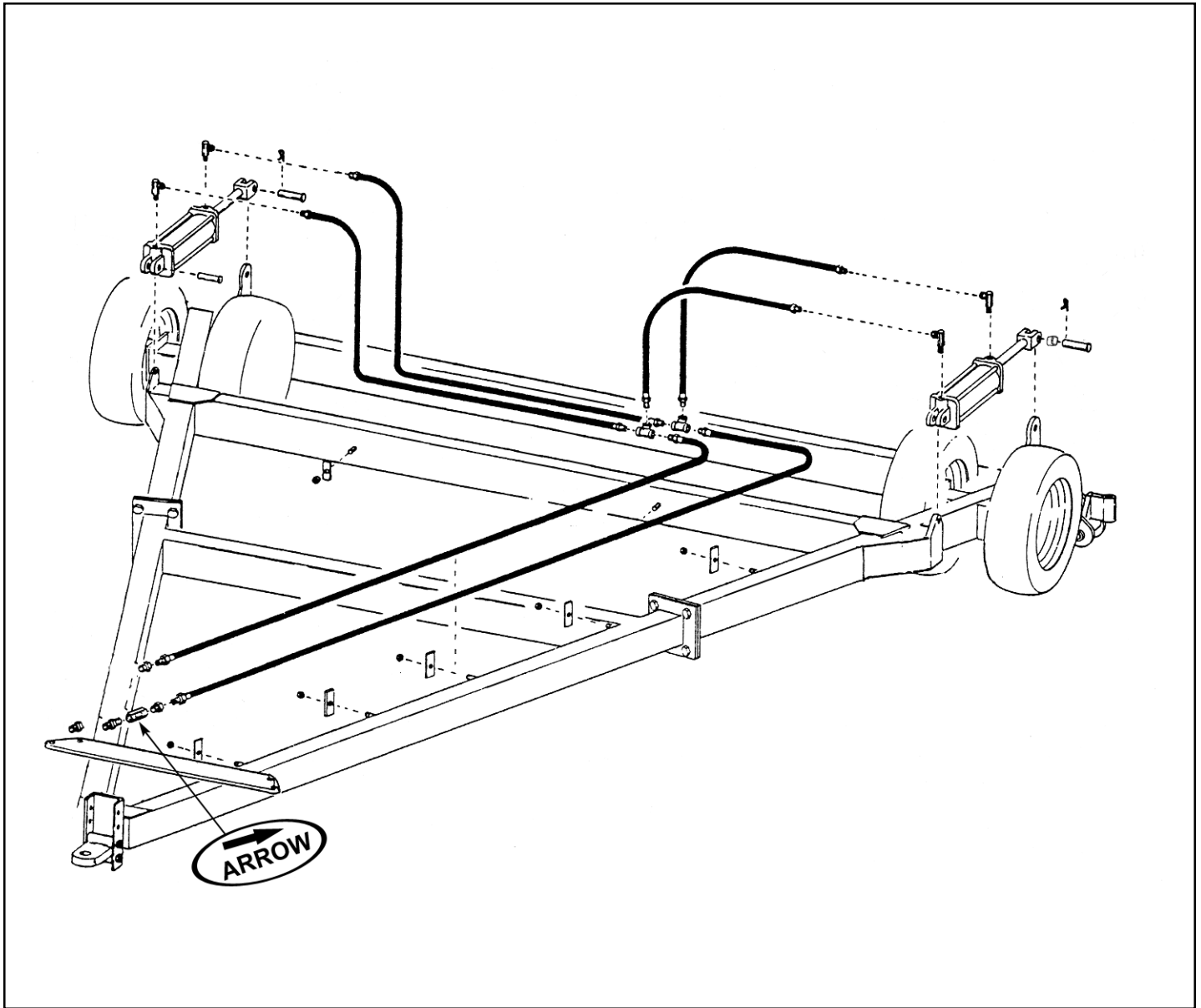


Fig. 20 Hydraulic Lift System - 20 ft. Hitch

## SECTION 3 – SET-UP INSTRUCTIONS — SUPERHARROW

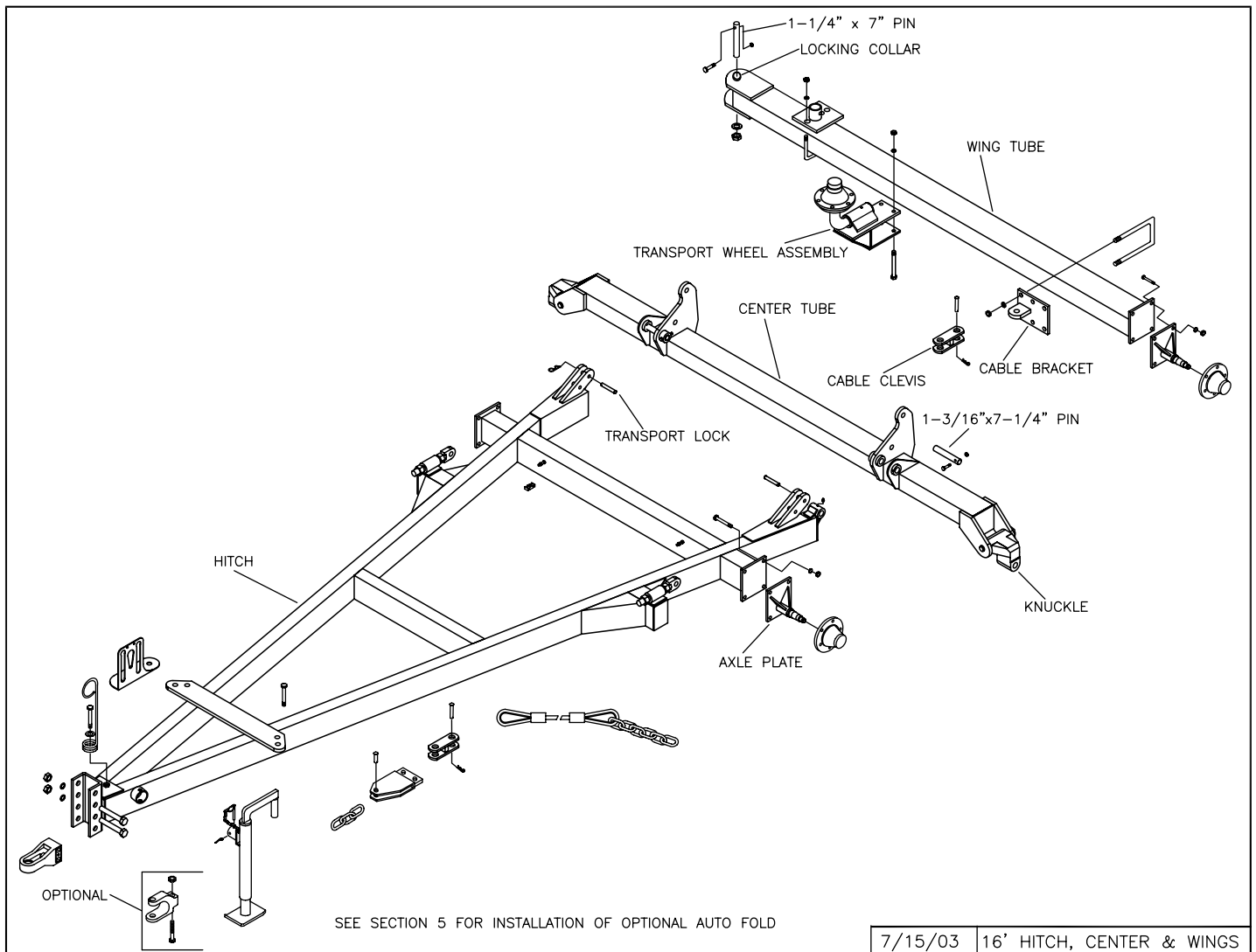


Fig. 1

The machine should be placed in an area that allows ample room for assembly in field position (See Fig. 1).

**CAUTION: For safety purposes, block equipment while working on it.**

Refer to illustrations and parts listing on pages 8-2 to 8-20 and follow these steps when assembling.

### 16' HITCH ASSEMBLY

#### HITCH, HUBS AND WHEELS

Mount axle plates with spindles down for 11L tires and with spindles up for 14L tires. Mount hitch wheels and tires and install hitch jack.

#### CENTER WING DRAWBAR TUBES FOR 16' HITCH

Attach center tube to hitch using (2) 1-3/16" x 7-1/4" pins and secure with 7/16" x 3" bolts and locknuts. Attach wing tubes to center tube knuckles using 1-1/4" x 7" pins. When in field position, the locking collar is on top. Insert a 7/16" x 3" bolt through the locking collar and hole in the top of each pin and secure with locknut. Secure pin with 1" flat washer and 1" NC lock jam nut.

**IMPORTANT: Be sure to install wing tube spindles with spindle down when in field position.**

Mount support wheels and tires. Do not mount transport wheel assemblies until lift arms are positioned.

## SECTION 3 – SET-UP INSTRUCTIONS — SUPERHARROW

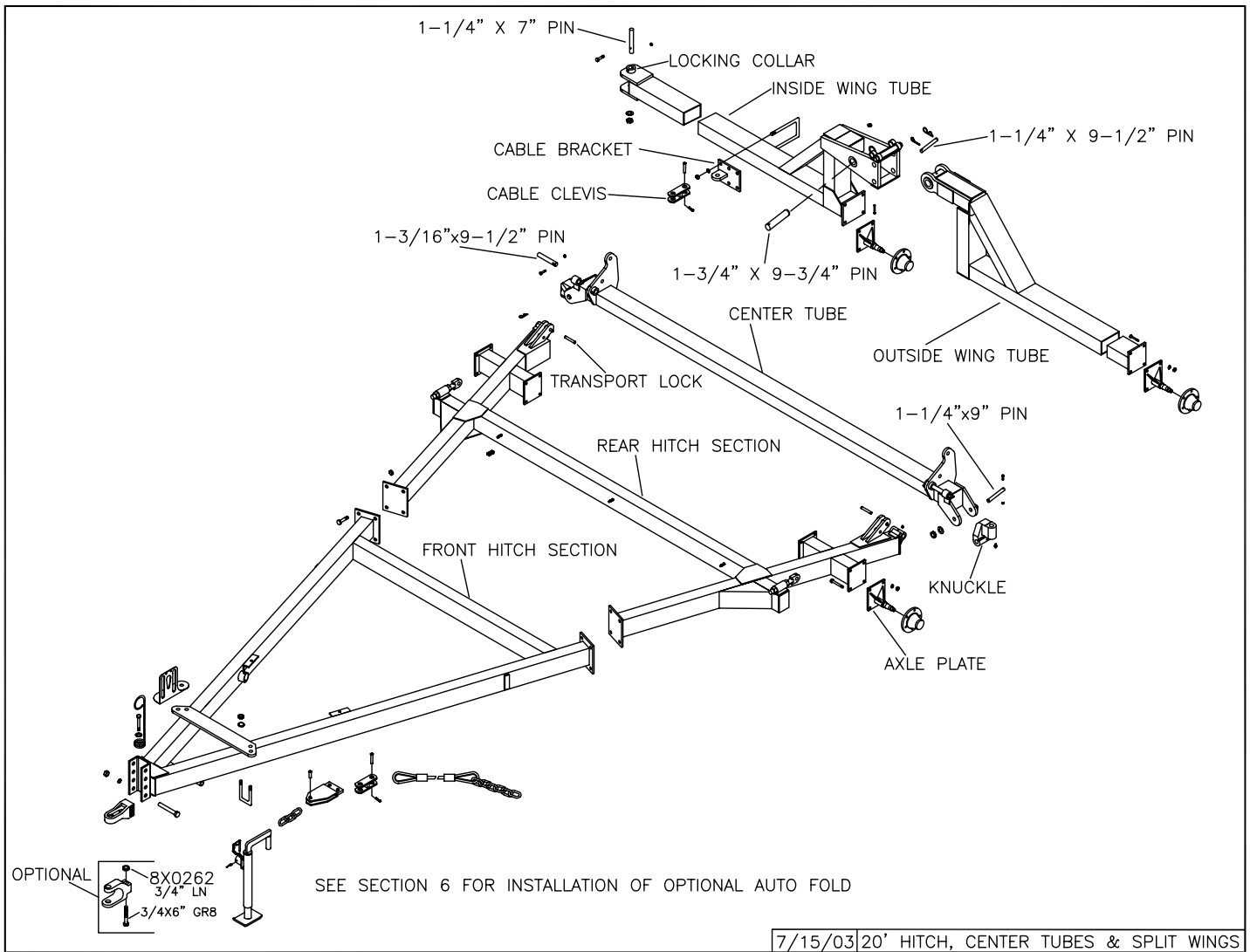


Fig. 2

### 20' HITCH ASSEMBLY

Bolt the two A-frame sections of the hitch together, using eight 7/8" cap screws and locknuts.

NOTE: Since these larger pieces have a tendency to warp when welded, it may be necessary to pull the legs of the hitch together to match the center tube brackets.

### HITCH, HUBS AND WHEELS

Mount axle plates with spindles down for 11L tires and with spindles up for 14L tires. Mount hitch wheels and tires and install hitch jack.

### CENTER WING DRAWBAR TUBES FOR 16' HITCH

Attach center tube to hitch using (2) 1-3/16" x 9-1/2" pins. Secure with 7/16" x 3" bolts and locknuts. Attach inside section of split-wing with 1-1/4" x 7" pin and secure with 7/16" x 3" bolt and locknut. Secure pin with 1" flat washer and 1" NC lock jam nut.

Attach outside wing and secure with 1-3/4" x 9-3/4" pin, 7/16" x 3-1/2" bolt and lock nut. Mount wing tube spindles with spindle down in field position. Do not install transport wheel assemblies until lift arms are positioned.

### SECTIONS:

Attach sections to drawbar using 3/4" U-bolts, nuts and lock washers as shown in figures 8 through 14.

## SECTION 3 – SET-UP INSTRUCTIONS — SUPERHARROW

Use CAUTION when making manual height adjustments. For Safety purposes, block equipment while working on it.

On the center two sections only, move the lower stop bolt and bushing to the front hole (Fig. 12). This will allow the sections to raise more evenly.

To compensate for various soil conditions and tooth wear, the sections can be mounted in four different positions as shown below.

Height Adjustment				
Suggested Initial Setting	Lift Arm Center	U-Bolt Plate	Lift Arm / Spring Flat	Ref.
	3" Above Drawbar Center	Up	Up	Fig. 8
	1-1/2" Above Drawbar Center	Down	Up	Fig. 9
	Even With Drawbar Center	Up	Down	Fig. 10
	1-1/2" Below Drawbar Center	Down	Down	Fig. 11

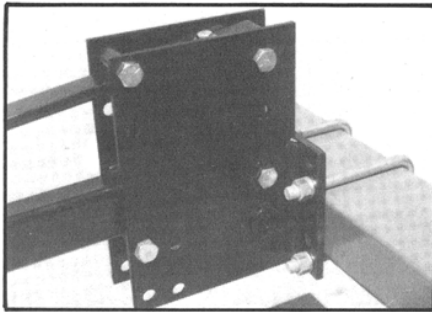


Fig. 8

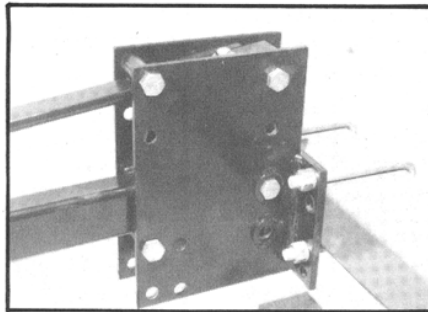


Fig. 9

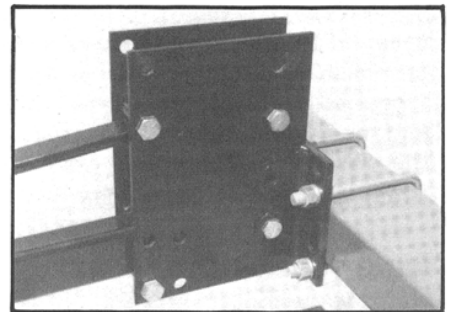


Fig. 10

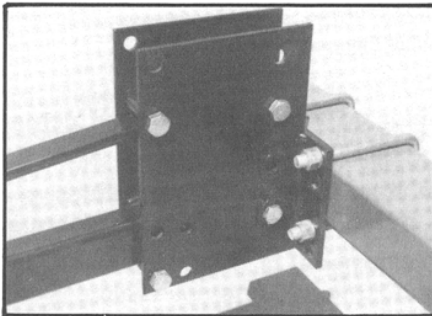


Fig. 11

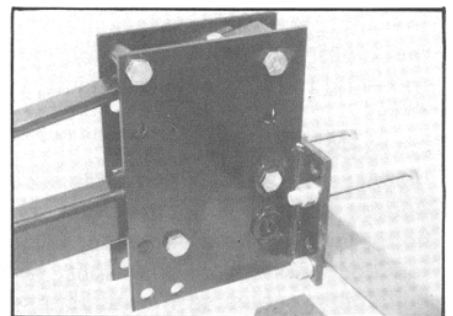


Fig. 12

### TRANSPORT WHEELS

Install transport wheels as shown in figures 1 and 13. Secure with two 5/8" x 5-1/2" bolts, lock washers and nuts.

NOTE: Transport wheel brackets are made for left and right and are not interchangeable.

IMPORTANT: The positioning of the transport wheel assemblies on the wing tubes of the machine is very critical in determining hitch weight. Moving transport wheel assemblies forward will increase hitch weight and moving rearward will decrease hitch weight. See the "Warning Regarding Machines With Negative Hitch Weight" on page 1-2 for more information.

## SECTION 3 – SET-UP INSTRUCTIONS — SUPERHARROW

### WING TUBE JACK BRACKET

A wing tube jack bracket is provided with all machines and allows for mounting the hitch jack on the wing tube for more stability (See Fig. 6).

### CABLES

Install cable brackets and cable assemblies as shown in figures 1, 2 and 7. Secure brackets using 3/4" U-bolts, lock washers and nuts. Two cables are required for each wing on the split wing models.

**NOTE:** Adjust cables so wings slightly lead center when standing in field position.

**IMPORTANT:** On machines with two cables per wing, the cables must be adjusted so the outside wing slightly leads the inside wing.

### AUTO-FOLD CABLE FOLD OPTION

See Sections 5 and 6 for 16' and 20' hitch Auto-Fold instructions.

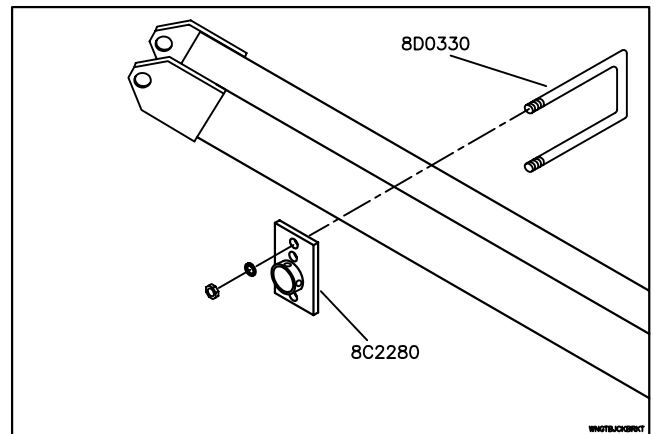


Fig. 6 Wing Tube Jack Bracket

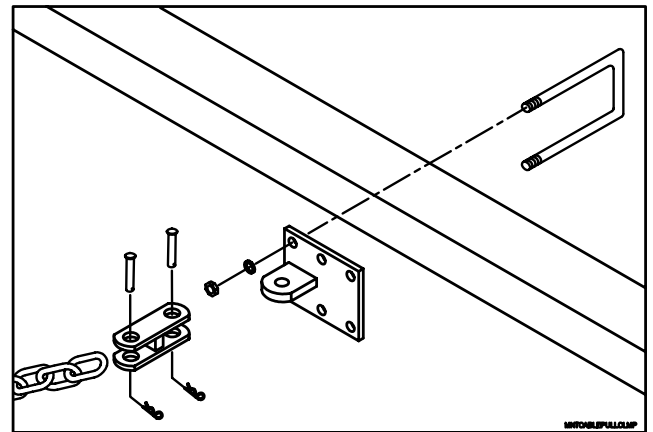
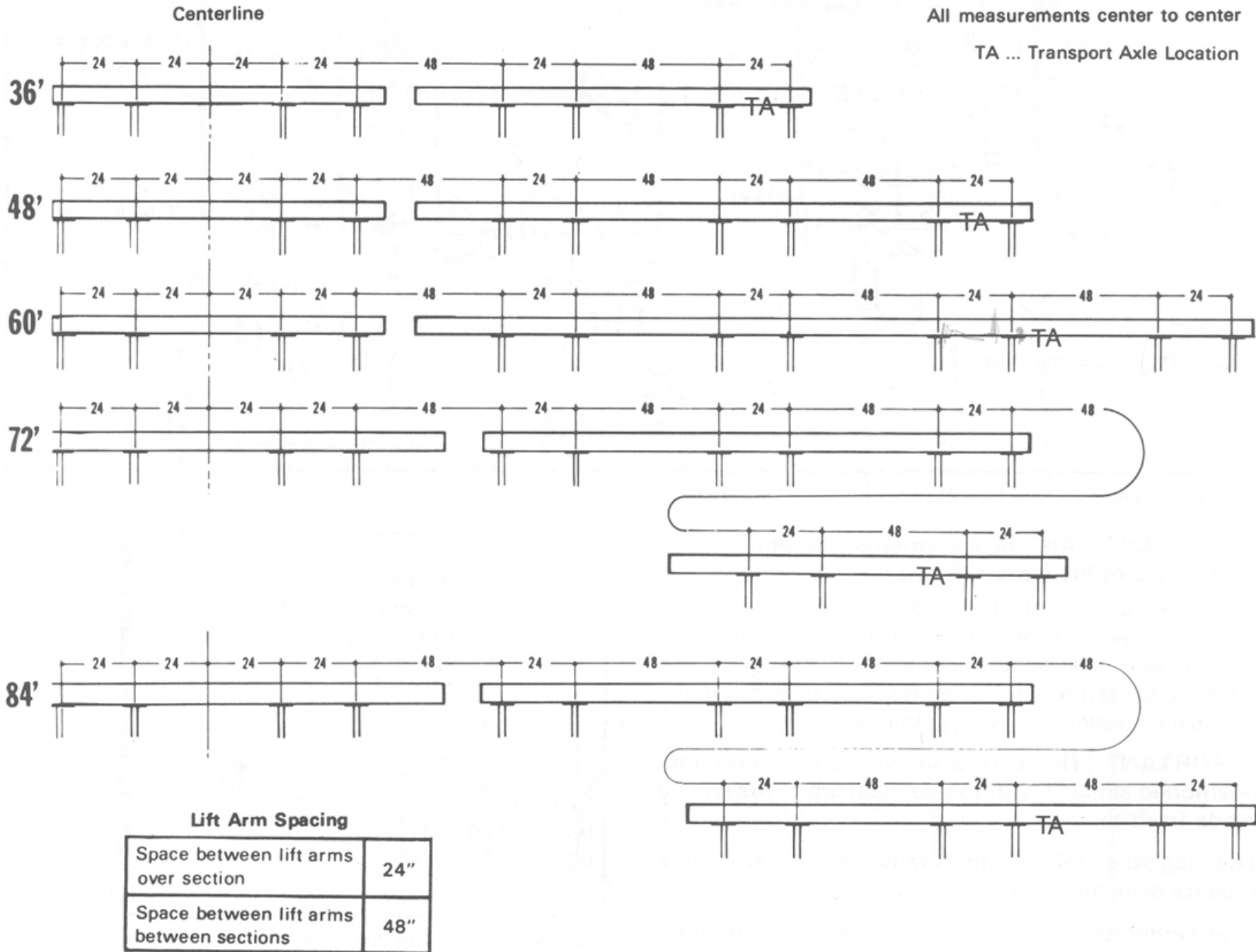


Fig. 7 Mounting Cable Pull Clamps

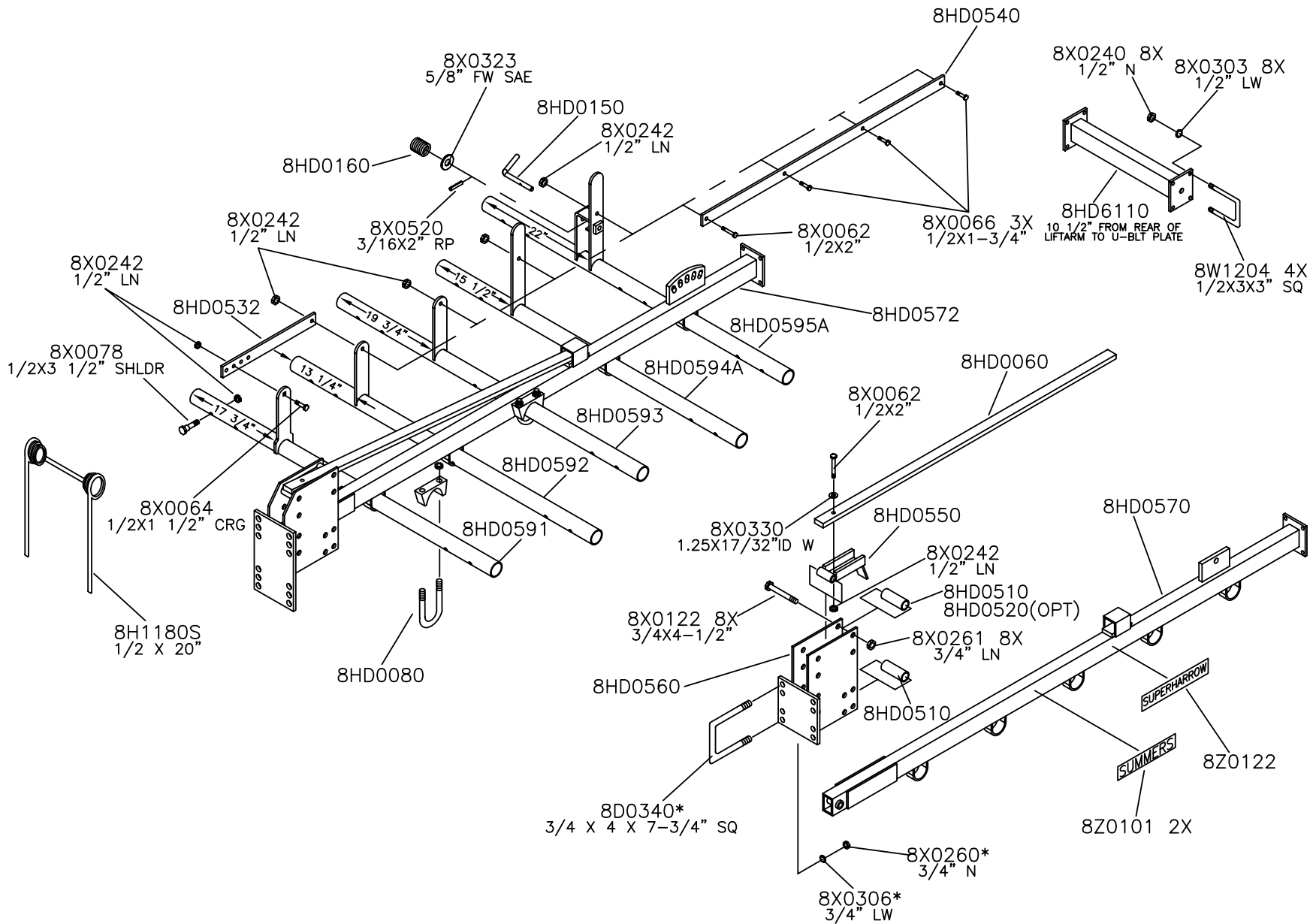
Fig. 13 Superharrow Schematic Layout



3-5

Fig. 14 Superharrow Spring Loaded Tine Angle

# 5-BAR 6' SUPERHARROW SECTION (6 X 4)



\* MOUNTING HARDWARE NOT INCLUDED WITH SECTION



HYDRAULIC SYSTEMS FOR MACHINES WITH 16 OR 20 FT. HITCHES

Mount lift cylinders and assemble hose lines as shown in figures 19 and 20.

the lift cylinders requires a restrictor valve on the tractor end. Thread this valve on with the arrow pointing back towards the cylinders as illustrated.

**NOTE:** The hydraulic line leading from the rod-end of

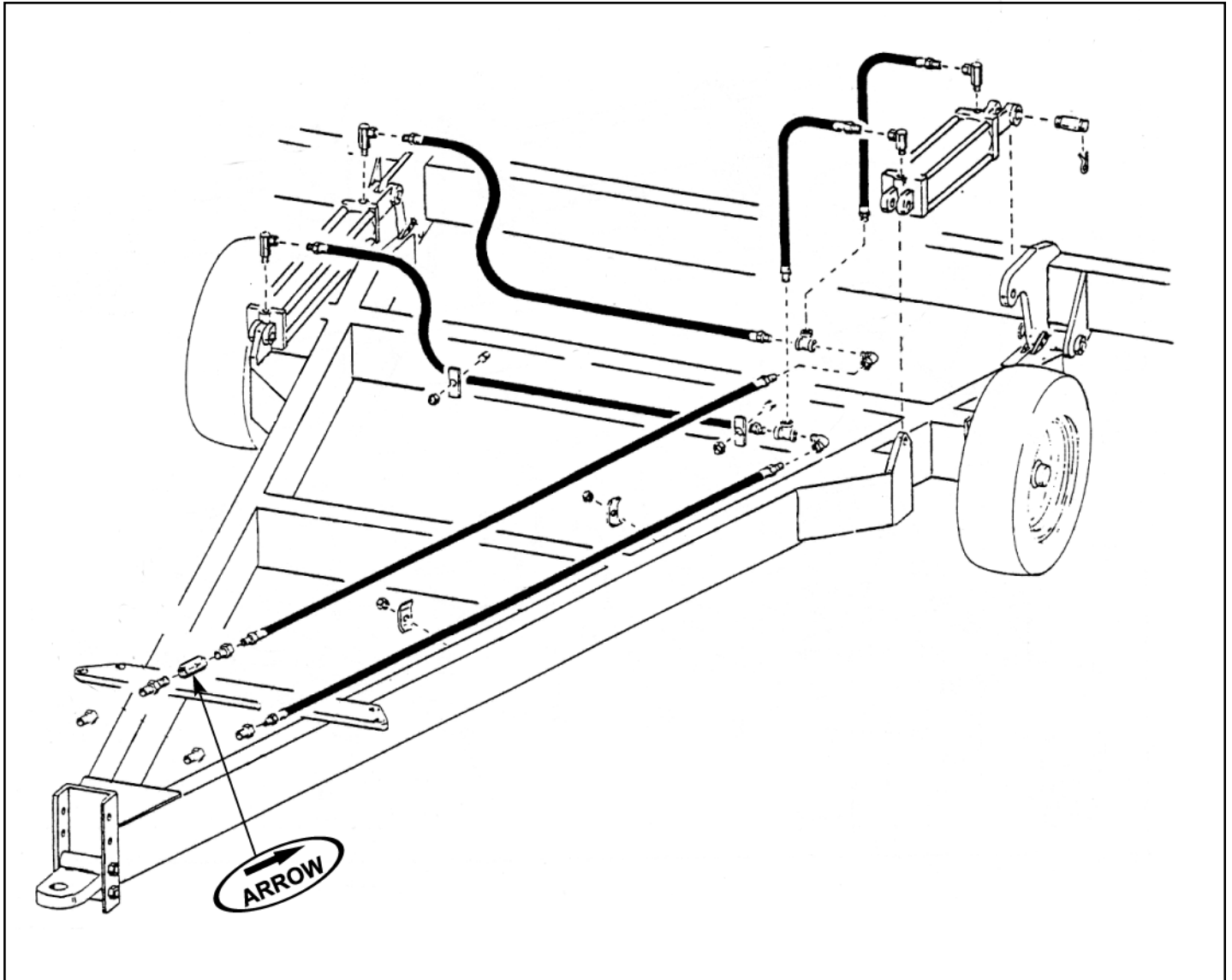
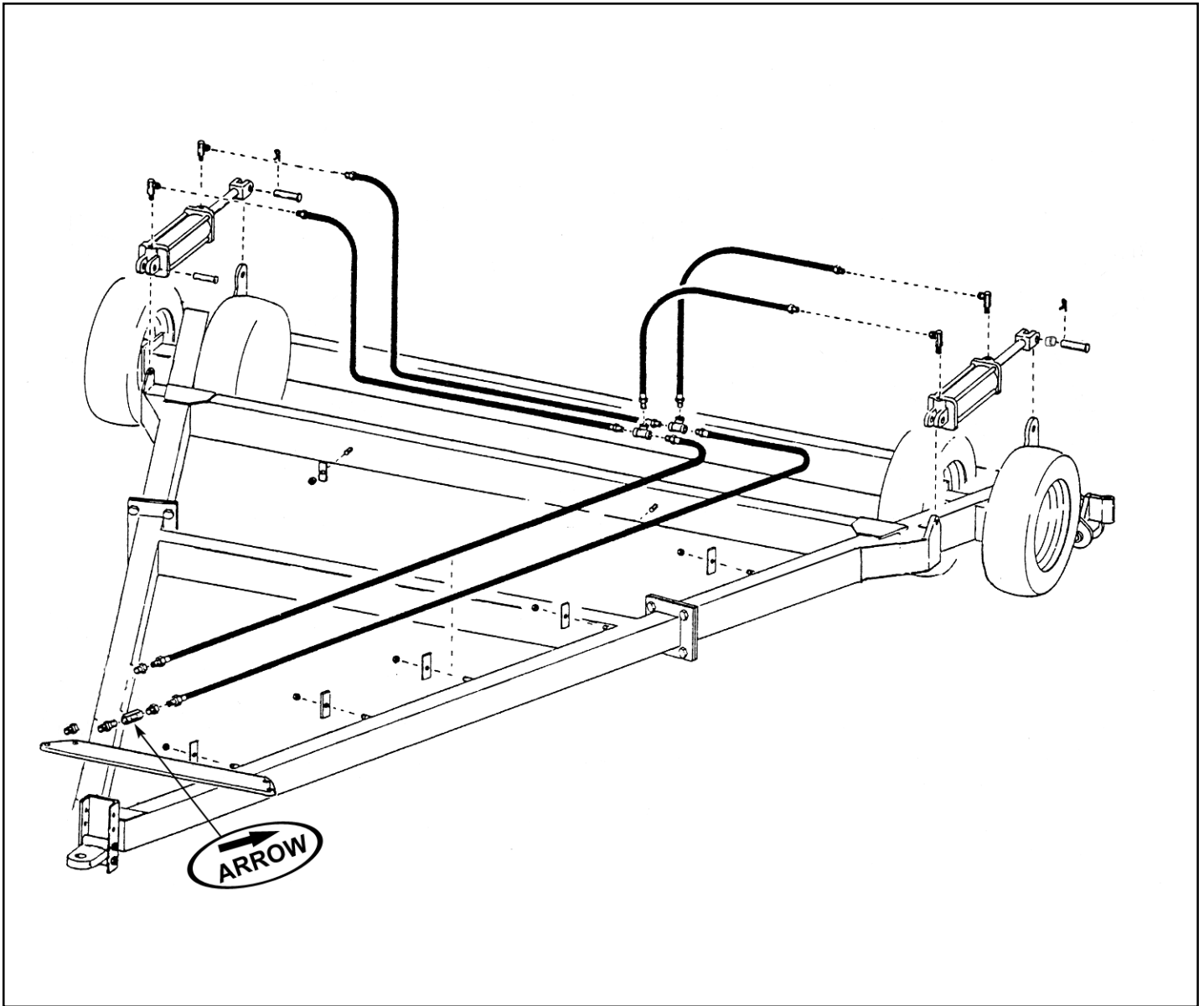


Fig. 19 Hydraulic Lift System - 16 ft. Hitch

**SECTION 3 – SET-UP INSTRUCTIONS — SUPERHARROW**



**Fig. 20** Hydraulic Lift System - 20 ft. Hitch

## SECTION 4 – SET-UP INSTRUCTIONS — SUPERWEEDER

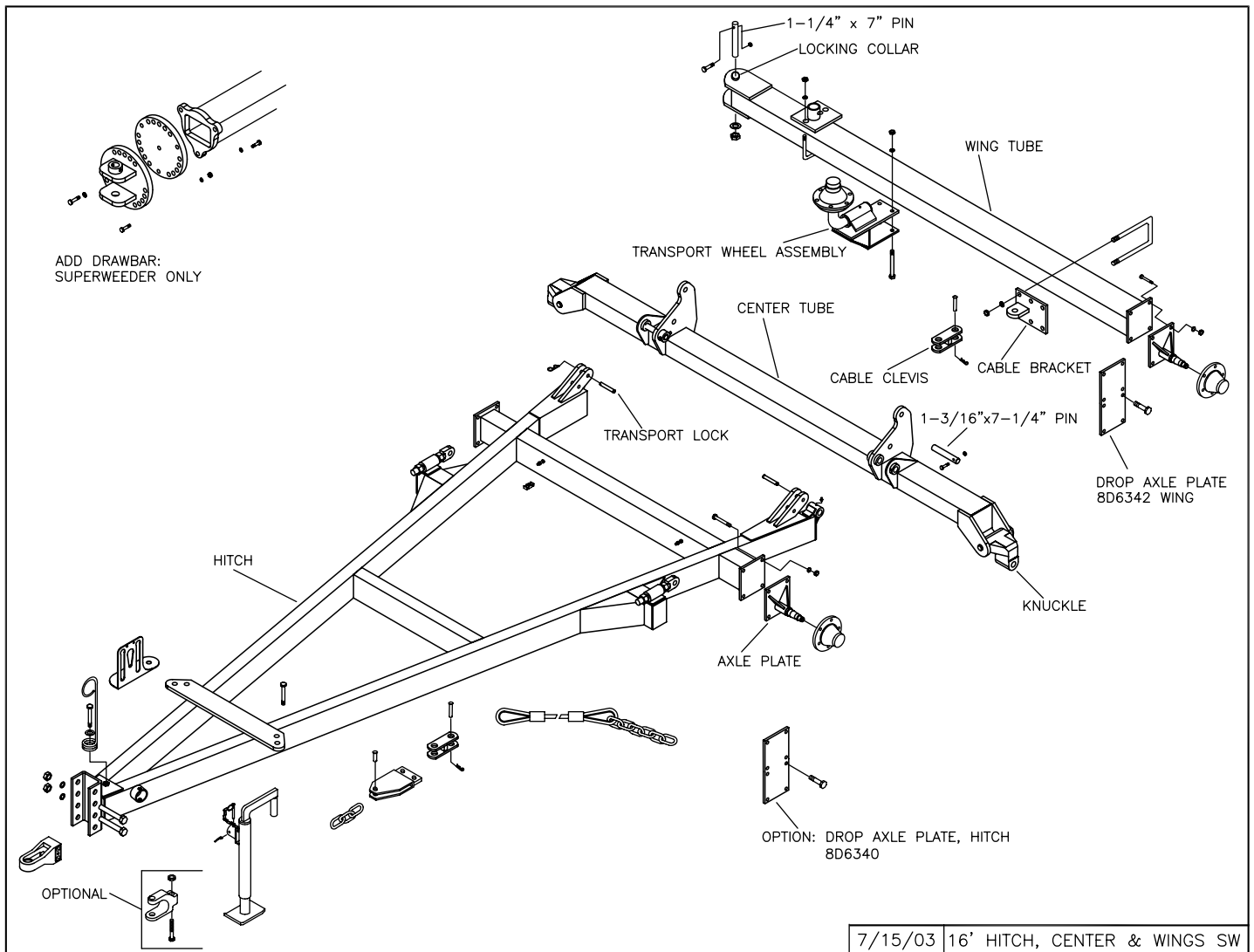


Fig. 1

The machine should be placed in an area that allows ample room for assembly in field position (See Fig. 1).

**CAUTION: For safety purposes, block equipment while working on it.**

Refer to illustrations and parts listing on pages 8-2 through 8-20 and follow these steps when assembling.

### 16' HITCH ASSEMBLY

#### HITCH, HUBS AND WHEELS

Mount axle plates with spindles down for 11L tires and with spindles up for 14L tires. Mount hitch wheels and tires and install hitch jack.

#### CENTER WING DRAWBAR TUBES FOR 16' HITCH

Attach center tube to hitch using (2) 1-3/16" x 7-1/4" pins and secure with 7/16" x 3" bolts and locknuts. Attach wing tubes to center tube knuckles using 1-1/4" x 7" pins. When in field position, the locking collar is on top. Insert a 7/16" x 3" bolt through the locking collar and hole in the top of each pin and secure with locknut. Secure pin with 1" flat washer and 1" NC lock jam nut.

**IMPORTANT: Be sure to install wing tube spindles with spindle down in field position.**

Mount support wheels and tires. Do not mount transport wheel assemblies until lift arms are positioned.

**NOTE: Wing tubes equipped with ADD (Adjustable Double Disk) drawbar are assembled at the factory for left and right applications. Each wing tube is marked with a large L or R for left and right identification.**

## SECTION 4 – SET-UP INSTRUCTIONS — SUPERWEEDER

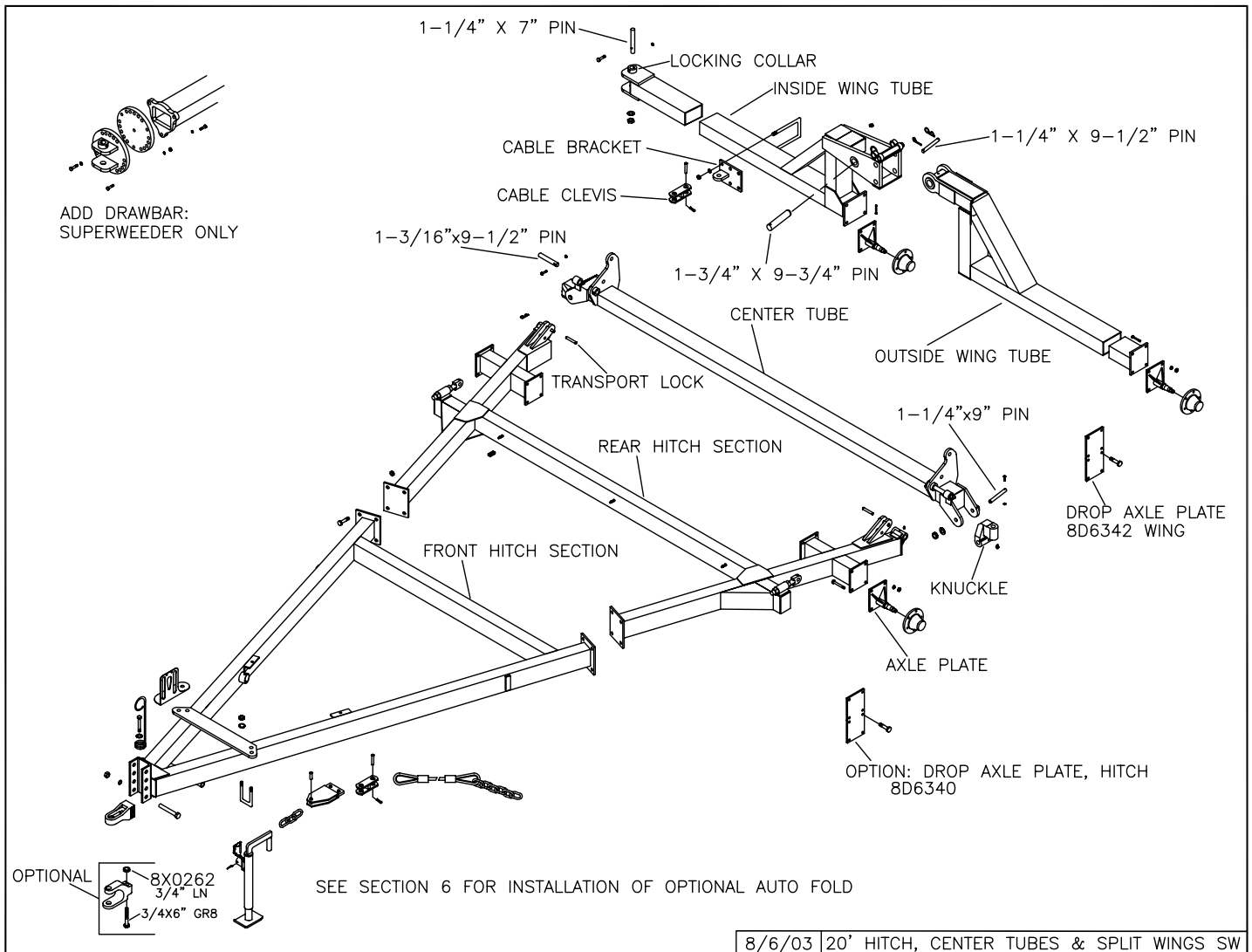


Fig. 2

### 20' HITCH ASSEMBLY

Bolt the two A-frame sections of the hitch together, using eight 7/8" bolts and locknuts.

**NOTE:** Since these larger pieces have a tendency to warp when welded, it may be necessary to pull the legs of the hitch together to match the center tube brackets.

### HITCH, HUBS AND WHEELS

Mount axle plates with spindles down for 11L tires and with spindles up for 14L tires. Mount hitch wheels and tires and install hitch jack.

### CENTER WING DRAWBAR TUBES FOR 16' HITCH

Attach center tube to hitch using (2) 1-3/16" x 9-1/2" pins. Secure with 7/16" x 3" bolts and locknuts. Attach inside section of split-wing with 1-1/4" x 7" pin and secure with 7/16" x 3" bolt and locknut. Secure pin with 1" flat washer and 1" NC lock jam nut.

**NOTE:** Wing tubes equipped with ADD (Adjustable Double Disk) drawbar are assembled at the factory for left and right applications. Each wing tube is marked with a large L or R for left and right identification.

Attach outside wing and secure with 1-3/4" x 9-3/4" pin, 7/16" x 3-1/2" bolt and lock nut. Mount wing tube spindles with spindle down in field position. Do not install transport wheel assemblies until lift arms are positioned.

## SECTION 4 – SET-UP INSTRUCTIONS — SUPERWEEDER

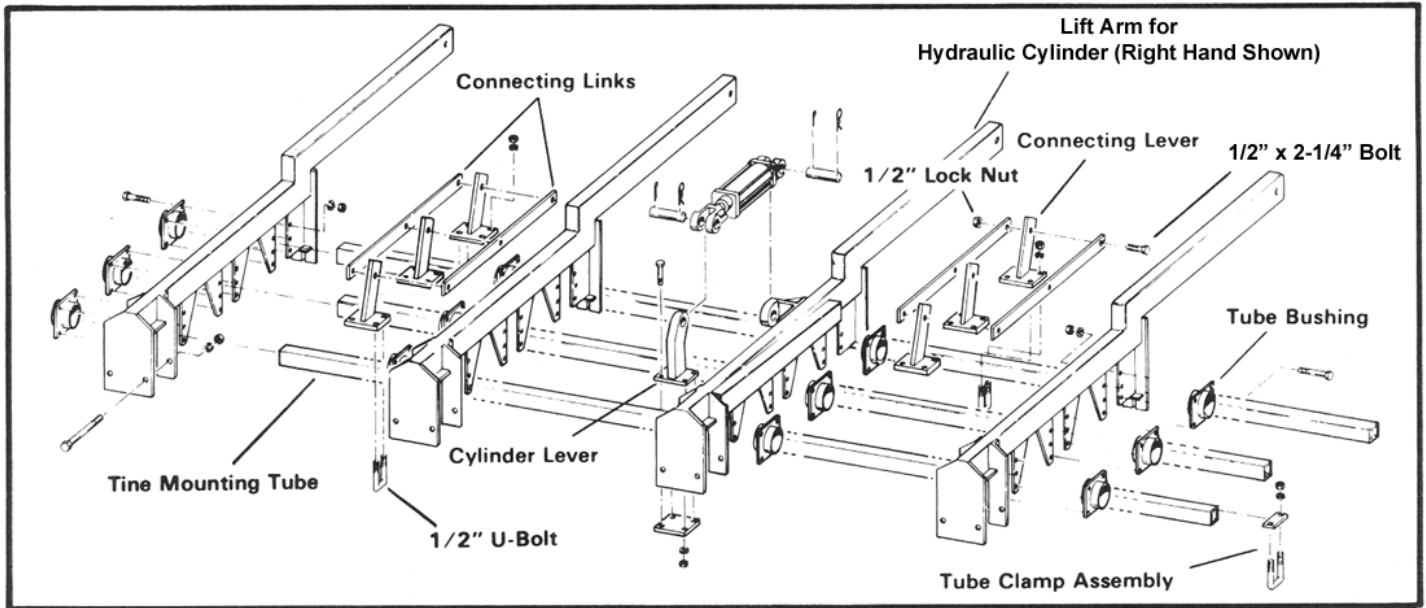


Fig. 15 Lift Arms and Tine Tube Assembly

### LIFT ARMS, TINE TUBES AND TINES

Referring to figures 15, 16 and 17, position all lift arms and secure in place with two 1/2 x 7-1/2" bolts, lockwashers and nuts. Lift arm spacing is determined by referring to legend and schematic of respective model represented in Fig. 17.

**NOTE: Special lift arms are used where hydraulic cylinders are located. These special lift arms are left or right handed (Fig. 15)**

Tine tubes should be assembled to lift arms as shown in Fig. 15. Secure tube bushings in place with four 7/16" x 1" bolts, lockwashers and nuts. See Fig. 17 for tine tube lengths.

**NOTE: Penetration depth of S-tines may be adjusted by positioning the tine tubes in upper or lower sets of bolt holes. It is recommended that tube bushings be initially set in upper set of holes which will provide a maximum penetration depth of 3-1/2". Mounting tube bushings in the lower set of holes increases penetration depth 1-1/2" to a maximum of 5".**

Do not attach tube clamps or connecting levers until tines are positioned and secured.

**IMPORTANT: All measurements shown are to centerlines of lift arms and tines.**

Beginning at the centerline of the Superweeder, space tines as shown in schematics. Tine tubes will have to be slid one way or another to get the correct spacing. All tines are spaced equally on center section and all tines are spaced equally on wing sections.

**IMPORTANT: The first S-tines must be correctly positioned since all successive measurements will be made from them.**

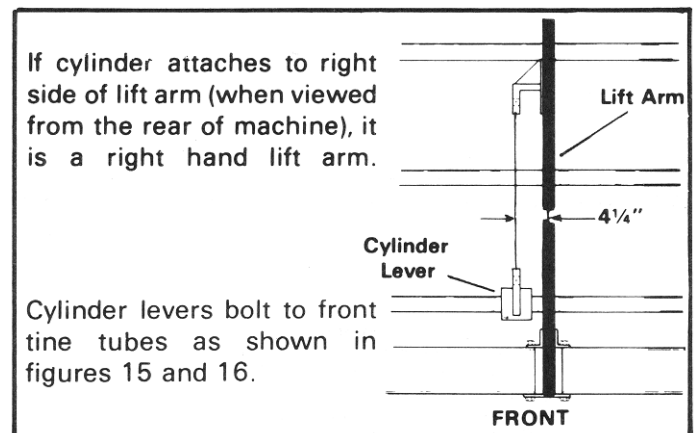


Fig. 16 Cylinder Lever Placement

The stagger of the first tines must be exact since this repeats over the entire machine.

Keep center tube and wing tubes in a straight line when measuring tine spacing from the center to the wing.

When an S-tine cannot be positioned exactly at the specified spacing because of interference from a lift arm, move the S-tine left or right the least distance possible to clear obstruction. At this point, it is very important to space the next tine from the preceding tine to keep the stagger correct.

## SECTION 4 – SET-UP INSTRUCTIONS — SUPERWEEDER

When center section tines are properly spaced and secured, install tube clamps to prevent tubes from moving from side to side. Position tube clamps by taking advantage of places where an S-tine serves the same purpose on the opposite side of lift arm. Four tube clamps are provided for each section.

After all tines are mounted, install connecting levers and links, centering them between tines at location indicated on the schematics. Secure connecting levers in place with 1/2" u-bolts. Secure connecting links with 1/2" x 2-1/4" bolts and lock nuts.

Refer to figures 15 and 16 and position hydraulic cylinder levers and plates, securing with four 5/8" x 4" bolts, lockwashers and nuts.

### TRANSPORT WHEELS:

Position wheel assemblies between the last two lift arms on the 25', 28', 29', 33', 35', 39' and 42' models. On the 47', 50', 55', 56', 58' and 70' models, install them between the second and third lift arms from end of the wing. Secure in place using two 5/8" x 5-1/2" bolts, lockwashers and nuts (See Fig. 1).

**NOTE: Transport wheel brackets are made for left and right sides and are not interchangeable.**

**IMPORTANT: The positioning of the transport wheel assemblies on the wing tubes of the machine is very critical in determining hitch weight. Moving transport wheel assemblies forward will increase hitch weight and moving rearward will decrease hitch weight. See the "Warning Regarding Machines With Negative Hitch Weight" (page 1-2) for more information.**

### CABLES

Install cable brackets and cables as shown in figures 1 and 2. Secure brackets using 3/4" U-bolts, lockwashers and nuts.

Clamps must be placed so wings pull evenly and slightly lead center. On the 55, 56, 58 and 70 foot models, two pull cables are used on each side.

**IMPORTANT: On machines with two cables per wing, the cables must be adjusted to have equal tension.**

### WING TUBE JACK BRACKETS

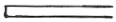

These brackets allow mounting of hitch jacks on wing tubes for added machine stability under conditions where hitch tongue is "light". Secure using 5/8" U-bolt provided (Fig. 6 on Page 3-4).

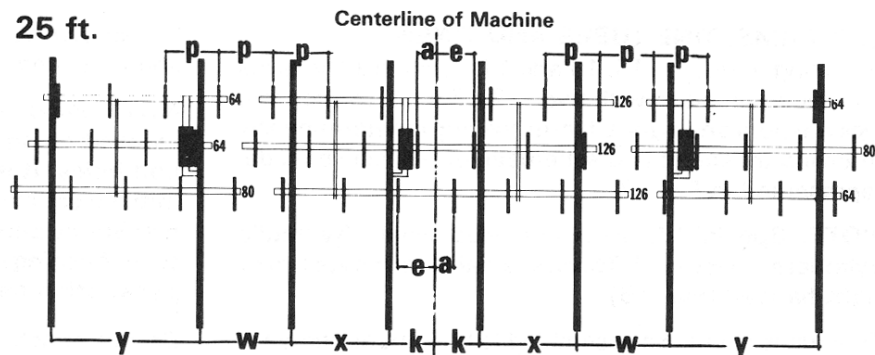
### INSTRUCTIONS FOR MOUNTING EXTENDED S-TINES

Extended S-tines are most often installed at the S-tine locations behind tractor tires. In this case do not install extended S-tines in the center of the machine (this includes the one in the center and 3 others on each side). These seven S-tines cover the 4 ft. between the tractor tires.

Install half of the total number of extended S-tines ordered on each side of the center seven S-tines. Usually 22 extended S-tines are installed when machine is pulled with a tractor with duals. Installing 11 on each side covers about 6 ft. of tractor tracks.

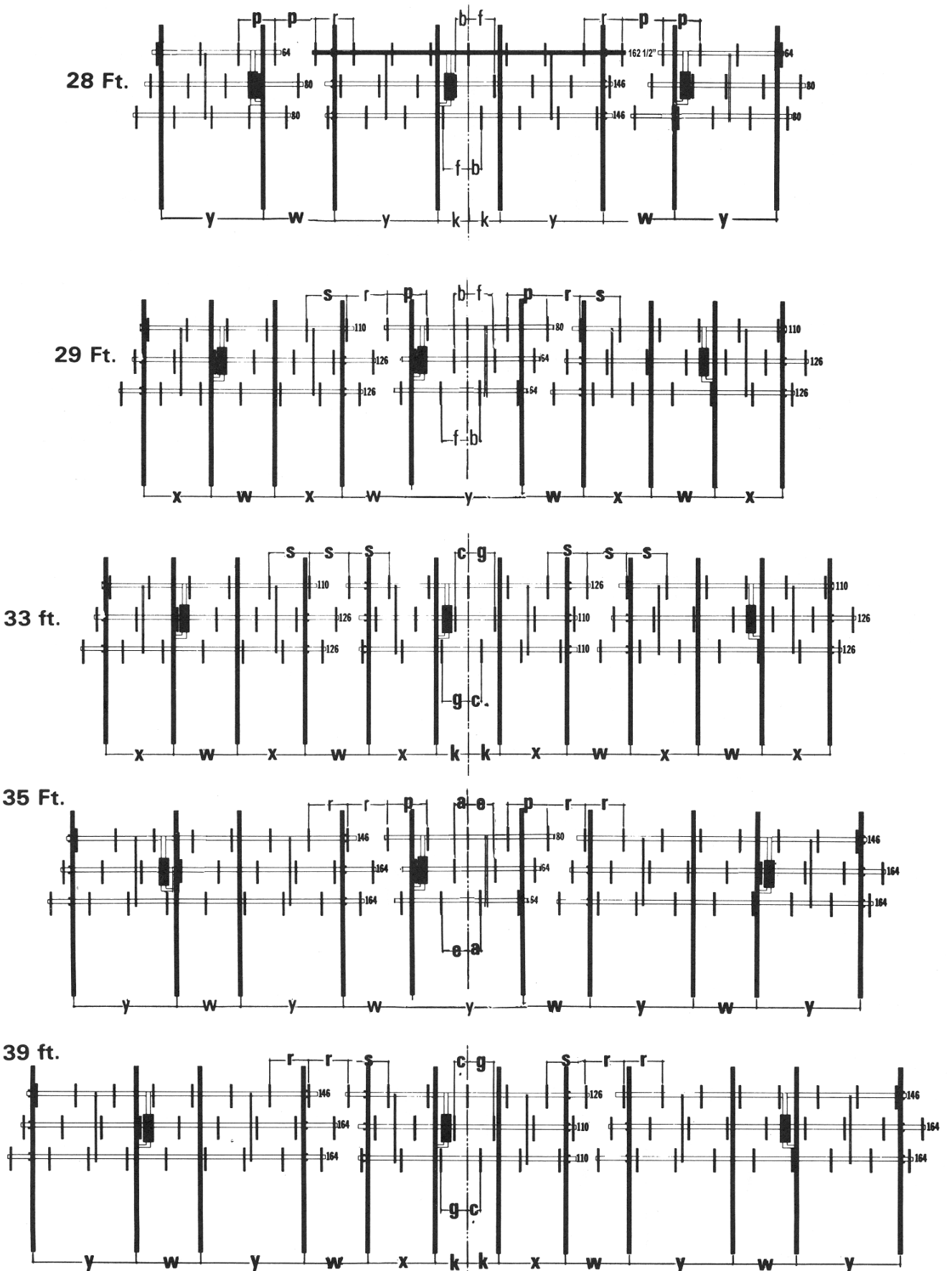
Fig. 17 Schematic Layout

LEGEND FOR SCHEMATICS	
a - 6-3/8"	k - 16"
b - 6-1/2"	p - 19"
c - 6-5/8"	r - 19-1/2"
d - 6-7/8"	s - 20"
e - 12-5/8"	t - 20-1/2"
f - 13"	w - 32"
g - 13-3/8"	x - 34"
h - 13-5/8"	y - 52"
 Regular Tine Mtg. Tube	
 Heavy Tine Mtg. Tube	



# SECTION 4 – SET-UP INSTRUCTIONS — SUPERWEEDER

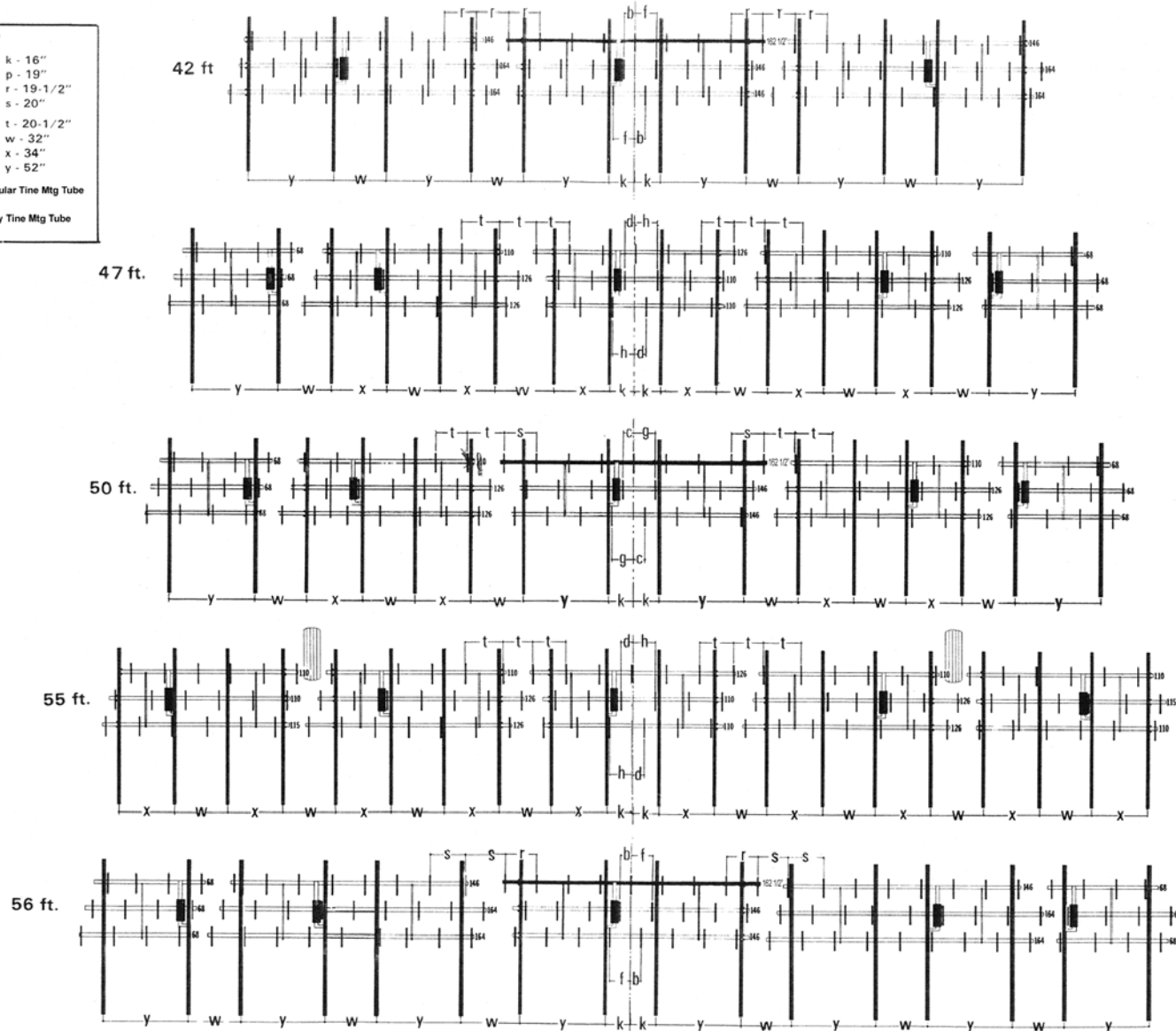
Fig. 17 Schematic Layout



## SECTION 4 – SET-UP INSTRUCTIONS — SUPERWEEDER

Fig. 17 Superweeder Schematic Layout

LEGEND	
a - 6-3/8"	k - 16"
b - 6-1/2"	p - 19"
c - 6-5/8"	r - 19-1/2"
d - 6-7/8"	s - 20"
e - 12/5/8"	t - 20-1/2"
f - 13"	w - 32"
g - 13-3/8"	x - 34"
h - 13-5/8"	y - 52"
3/16" Regular Tine Mtg Tube	
1/4" Heavy Tine Mtg Tube	



Tines/Machine	
25'	Center Section - 21 Tines Wing Section - 13 Tines Total/Machine - 47 Tines
28'	Center Section - 25 Tines Wing Section - 14 Tines Total/Machine - 53 Tines
29'	Center Section - 13 Tines Wing Section - 20 Tines Total/Machine - 53 Tines
33'	Center Section - 19 Tines Wing Sections - 20 Tines Total/Machine - 59 Tines
35'	Center Section - 13 Tines Wing Section - 26 Tines Total/Machine - 65 Tines
39'	Center Section - 19 Tines Wing Sections - 26 Tines Total/Machine - 71 Tines
42'	Center Section - 25 Tines Wing Sections - 26 Tines Total/Machine - 77 Tines
47'	Center Section - 19 Tines Wing Section - 32 Tines Total/Machine - 83 Tines
50'	Center Section - 25 Tines Wing Section - 32 Tines Total/Machine - 89 Tines
55'	Center Section - 19 Tines Wing Sections - 38 Tines Total/Machine - 95 Tines
56'	Center Section - 25 Tines Wing Sections - 38 Tines Total/Machine - 101 Tines
58'	Center Section - 25 Tines Wing Section - 38 Tines Total/Machine - 101 Tines
70'	Center Section - 25 Tines Wing Sections - 50 Tines Total/Machine - 125 Tines





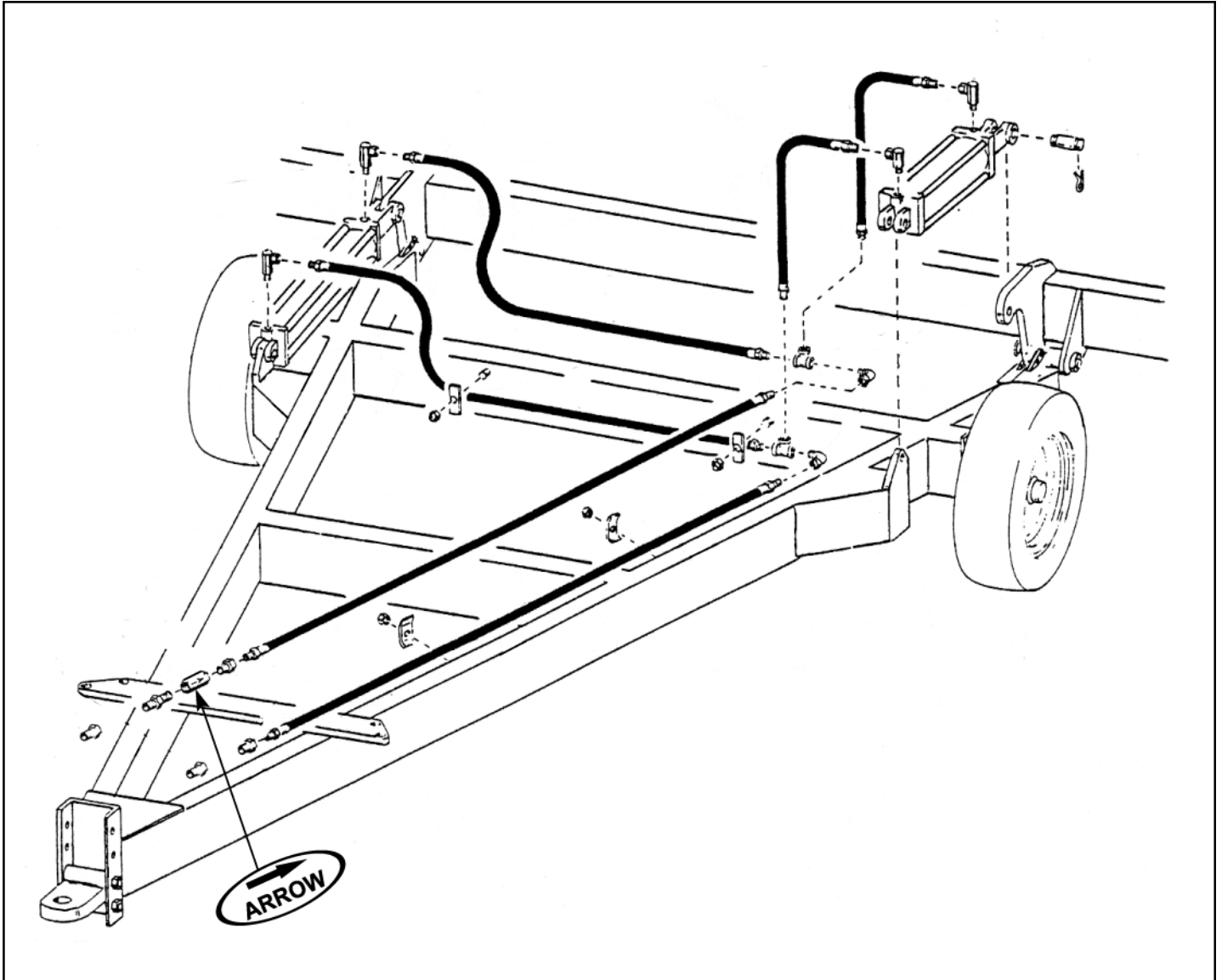


## HYDRAULIC SYSTEMS FOR MACHINES WITH 16 OR 20 FT. HITCHES

Mount lift cylinders and assemble hose lines as shown in figures 19 and 20.

the lift cylinders requires a restrictor valve on the tractor end. Thread this valve on with the arrow pointing back towards the cylinders as illustrated.

**NOTE:** The hydraulic line leading from the rod-end of



**Fig. 19** Hydraulic Lift System - 16 ft. Hitch

SECTION 4 – SET-UP INSTRUCTIONS — SUPERWEEDER

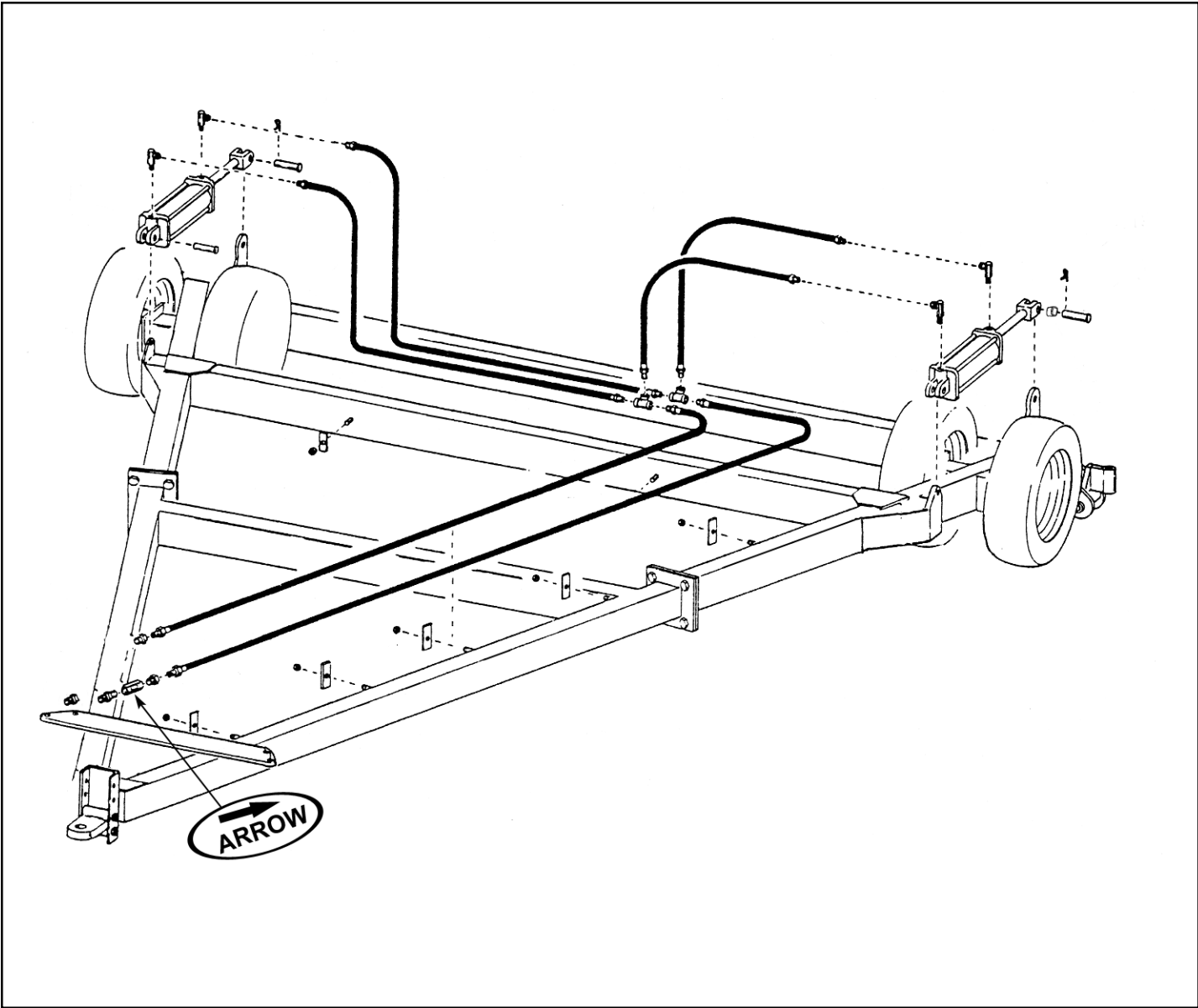


Fig. 20 Hydraulic Lift System - 20 ft. Hitch

## SECTION 4 – SET-UP INSTRUCTIONS — SUPERWEEDER

### HYDRAULIC DEPTH CONTROL

The Superweeder Hydraulic Depth Control System requires one hydraulic cylinder per section to rotate S-tines up or down. Mount these cylinders on special lift arms as shown in figure 15. Assemble hose lines as shown in figure 22 and pages 4-

12 and 4-13.

Each cylinder requires two hoses leading to the manifold mounted on the hitch crossmember. Assemble tractor hose lines and route with lift cylinder lines along the hitch securing in place with nylon ties provided.

### HYDRAULIC HOSE CLAMPS

Use the hose mounting brackets provided to secure the 1/4" hydraulic lines for the S-tine lift cylinders to the machine drawbar (See Fig. 22).

Using these brackets, the 1/4" hydraulic lines can be neatly and securely fastened to the Superweeder drawbar. Remember to leave slack in the lines at knuckle locations between center and wing sections.

**NOTE:** If Superweeder is equipped with a Summers Agri-Sprayer, the hose clamp brackets can be attached to the machine drawbar using the same 3/8" U-bolts, used to secure the nozzle mounting brackets. Simply place the hose clamp bracket on top of the nozzle mounting bracket and secure with the same 3/8" U-bolt. With this method, extra 3/8" U-bolts will be left over (See Fig. 22).

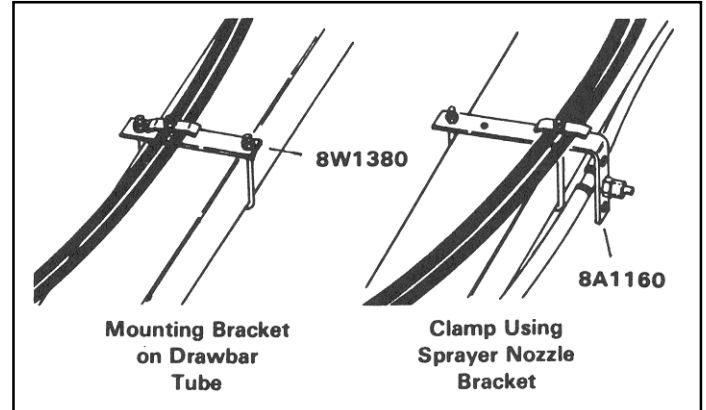
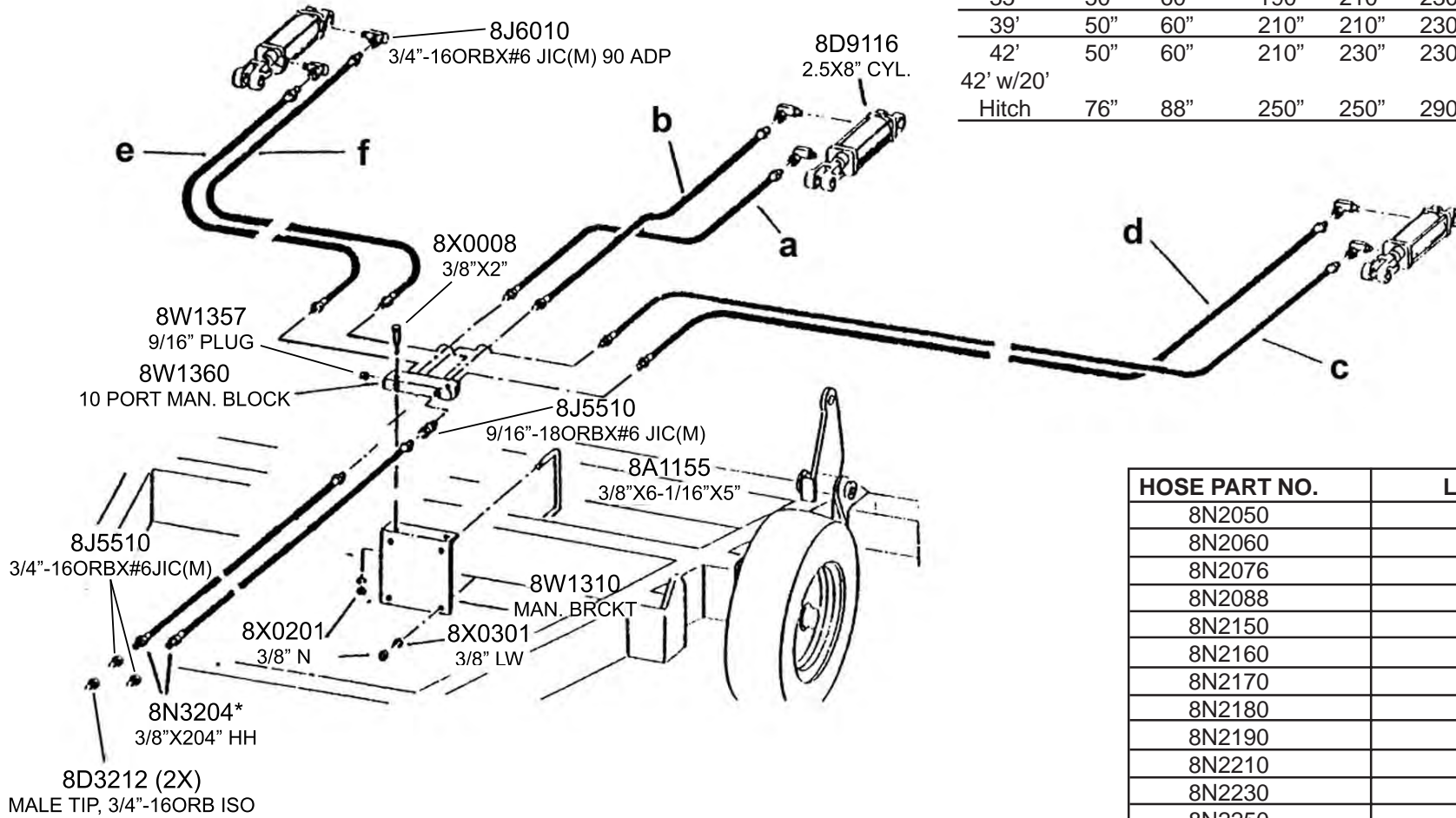


Fig. 22 Hose Mounting Bracket and Clamp

# SUPERWEEDER HYDRAULIC SYSTEM (25'-42')

25', 29', 33', 35', 39' and 42' Machines

MACHINE SIZE	HOSE LENGTHS					
	a	b	c	d	e	f
25'	50"	60"	150"	160"	170"	180"
29'	50"	60"	170"	180"	190"	210"
33'	50"	60"	190"	210"	210"	230"
35'	50"	60"	190"	210"	230"	230"
39'	50"	60"	210"	210"	230"	230"
42'	50"	60"	210"	230"	230"	250"
42' w/20'						
Hitch	76"	88"	250"	250"	290"	290"



HOSE PART NO.	LENGTH
8N2050	50"
8N2060	60"
8N2076	76"
8N2088	88"
8N2150	150"
8N2160	160"
8N2170	170"
8N2180	180"
8N2190	190"
8N2210	210"
8N2230	230"
8N2250	250"
8N2290	290"

\*20' Hitch Superweeders use 8N3252 (3/8"x252" Hyd. Hose)







## **CABLE AUTO-FOLD (16 Ft. Hitches)**

### **SPRING ANCHOR BRACKETS**

Mount the spring anchor brackets (Ref. 16) to the outside of the hitch frame as shown in Fig. 28 and at a distance “A” as shown in Fig. 27. Note that latch spring mounting bracket (Ref. 11) also attaches with the two right front mounting bolts. Mount so the 3/8” dia. hole is up. Secure anchor brackets to the hitch frame with a mounting plate (Ref. 15) and four 5/8 x 5” bolts, lockwashers and nuts per bracket. Do not completely tighten bolts, further adjustment to attach tension springs may be necessary.

### **PIVOT MOUNTING BRACKETS AND CABLE FOLD ARMS (Fig. 27 and 28)**

Mount the left (Ref. 13) and right (Not Shown) pivot mounting brackets to the outside of the hitch frame and at a distance “B” (Fig. 27). Secure to hitch frame with a mounting plate (Ref. 12) and four 5/8” x 5” bolts, lockwashers and nuts – do not completely tighten. The 3/4” x 2” bolts threaded into the 3/4” square nuts should be backed out. They will be used to adjust the fold arms in the next step.

Attach the left and right cable fold arm (Ref. 19, Fig. 28) to their respective mounting brackets and secure with 1” x 9-1/2” bolts and locknuts. Adjust the pivot mounting brackets (Ref. 13 & 14) so that the cable fold arms run level with the hitch and touch the top of the front arm guides. Completely tighten the 5/8” x 5” bolts when the cable fold arms are properly adjusted.

**IMPORTANT:** The cable fold arms must swing freely after all bolts are tightened. Re-adjust if necessary.

### **TENSION SPRINGS**

Attach the 5/16” x 18 link (Ref. 3) to the bottom of the lever on the cable fold arm as shown in Fig. 28. Secure with a 1/2 x 2-1/4” bolt, two flat washers and locknut. Hook one end of the 3” x 27” extension spring to the free end of the 5/16” chain and the other end to the 3/4” eyebolt. Adjust the anchor brackets so all slack in the spring and chain is removed and then secure by tightening the four 5/8 x 5” bolts. Last, tighten the 3/4” eyebolts until the extension spring coils just begin to separate.

### **LATCH ASSEMBLY**

Mount the latch assembly (Ref. 17) directly in front of the existing cable attach plate welded to the hitch frame. Secure using two 1/2” U-bolts and four flatwashers, lockwashers and nuts. Attach the factory crimped end of the 1/4” x 13’ cable to the bottom (short) lever of the latch assembly. Secure between the double links (Ref. 7) of the latch assembly lever with a 7/16 x 1-3/4” bolt and locknut. Attach the 6 link chain (Ref. 1) to the top (long) lever of the latch assembly. Secure with a 7/16 x 1-3/4” bolt, flatwasher and locknut.

Attach one end of the 7/8” x 8” latch spring (Ref. 21) to the other end of the 6-link chain and the other end to the 3/8 dia. eyebolt. Insert the eyebolt in the hole in the latch spring mounting brackets and secure with a 3/8” nylon locknut. Adjust the eyebolt so that the latch assembly lockcups allow the cable lift arms to clear when the machine is in transport position.

### **DRAWBAR CABLE ANCHOR AND CABLE**

Mount the drawbar cable anchor (Ref. 8) 6” to the right side of center of the machine drawbar. Mount so the welded collar is up in transport position or towards the rear in field position. Double check this – it is very important. Secure using a mounting plate (Ref. 10) and two 5/8” lockwashers and nuts (Fig. 28).

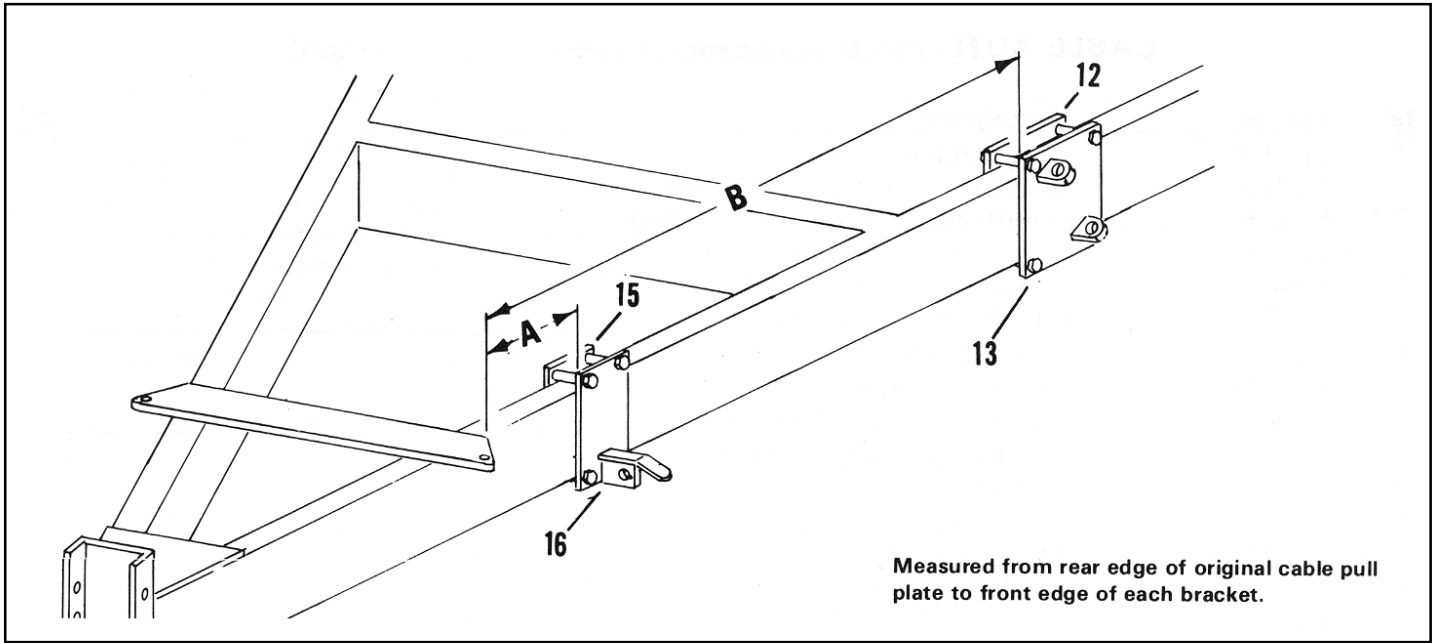
**Cable Installation:** Run the cable from the front latch assembly to the rear cable anchor underneath the front frame crossmember but on the top of the rear frame crossmember. Attach the adjustable end of the cable (one with two cable clamps) between the two links on the drawbar cable anchor and secure with 1/2 x 2” bolt and nylon locknut.

The cable length was pre-set at the factory but must be checked the first time the machine drawbar is lowered. See first-time operation procedure.

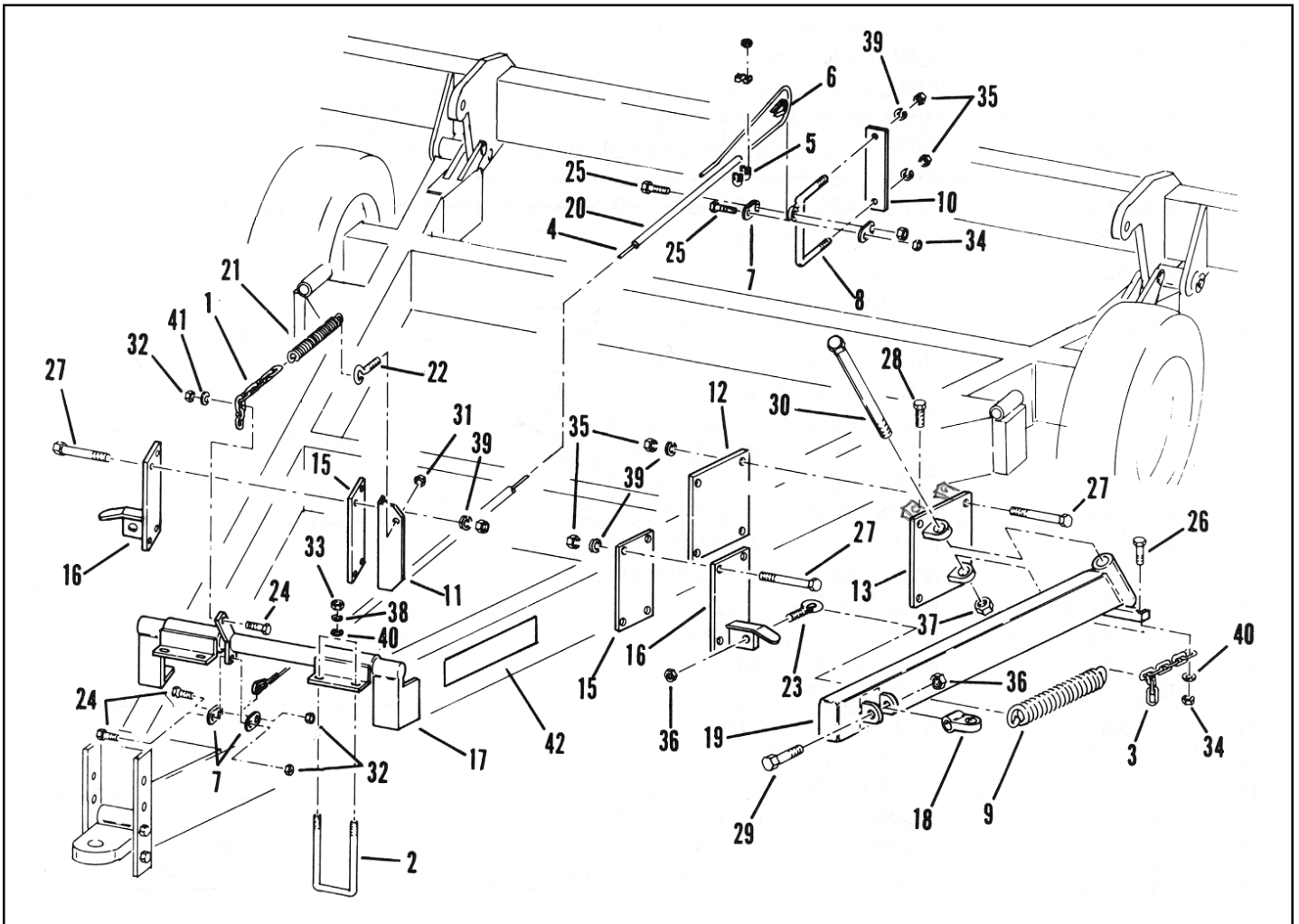
### **WARNING DECALS**

Attach the warning decal to the hitch frame so it can be easily read. Review this warning with all potential operators of the machine.

**SECTION 5 – SET-UP INSTRUCTIONS CABLE AUTO-FOLD (16 Ft. Hitches)**



**Fig. 27** Cable Auto-Fold Positioning (16 Ft. Hitch)



**Fig. 28** Assembly: Cable Auto-Fold (16 Ft. Hitch)

## SECTION 5 – SET-UP INSTRUCTIONS CABLE AUTO-FOLD (16 Ft. Hitches)

Ref.	Part No.	Description	Qty.
1	8D2100	CHAIN, 6 link	1
2	8D3152	U-BOLT, 1/2 x 3-3/8" (16' New)	2
4	8D4012	CHAIN, 5/16" x 18 links - 16' hitch	2
	8D4020	CABLE, 1/4" x 13' - 16' hitch	1
5	8D4024	CABLE CLAMP, 1/4"	2
6	8D4026	CABLE THIMBLE, 1/4"	1
7	8D4030	LINK, cable and chain attach.	4
8	8D4040	DRAWBAR CABLE ANCHOR, U-bolt	1
9	8D4050	SPRING, auto cable fold	2
10	8D4110	MOUNTING PLATE, U-bolt	1
11	8D4120	ANGLE BRACKET, latch spring	1
12	8D4130	MOUNTING PLATE, pivot	2
13	8D4140	MOUNTING BRACKET, pivot, left	1
14	8D4150	MOUNTING BRACKET, pivot, right (Not Shown)	1
15	8D4160	MOUNTING PLATE, spring anchor	2
16	8D4170	MOUNTING BRACKET, spring anchor	2
17	8D4200	LATCH ASSEMBLY, 16' hitch	1
18	8D4210	CABLE PULL W/TUBE	2
19	8D4220	ARM, long left, 16' hitch	1
	8D4230	ARM, long, right (Not Shown), 16' hitch	1
20	8F9410	<b>APPLICATOR HOSE, 3/8" (10-1/2' for 16' Hitch)</b>	Per Ft. X
21	8R4190	SELECTOR SPRING	1
22	8R4335	EYE BOLT, 3/8" NC	1
23	8R6145	EYE BOLT 3/4"	2
24	8X0034	CAPSCREW, 7/16" x 1-3/4" Z (Gr. 5)	3
25	8X0062	CAPSCREW, 1/2" x 2" Z (Gr. 5)	2
26	8X0067	CAPSCREW, 1/2" x 2-1/4" Z (Gr. 5)	2
27	8X0095	CAPSCREW, 5/8" x 5" Z (Gr. 5)	16
28	8X0107	CAPSCREW, 3/4" x 2" Z (Gr. 5)	2
29	8X0113	CAPSCREW, 3/4" x 5" Z (Gr. 5)	2
30	8X0144	CAPSCREW, 1" x 9-1/2" Z (Gr. 5)	2
31	8X0202	NUT, lock 3/8" NC, Z (Nylon)	1
32	8X0234	NUT, lock 7/16" NC, Z (Nylon)	3
33	8X0240	NUT, hex 1/2" NC (Z)	4
34	8X0242	NUT, lock 1/2" NC, Z (Nylon)	4
35	8X0250	NUT, hex 5/8" NC (Z)	18
36	8X0261	NUT, lock 3/4" NC Z (Nylon)	4
37	8X0281	NUT, lock 1" NC Z (Nylon)	2
38	8X0303	LOCKWASHER, 1/2" (Z)	4
39	8X0304	LOCKWASHER, 5/8" (Z)	18
40	8X0330	WASHER, 1-1/4" x 17/32" ID (Z)	8
41	8X0331	WASHER, 1-1/4" x 15/32" ID (Z)	1
42	8Z0232	DECAL, warning - stand clear (2x7" Auto-Fold)	2



## SECTION 6 – SET-UP INSTRUCTIONS CABLE AUTO-FOLD (20 Ft. Hitches)

### CABLE AUTO FOLD, 20 Ft. Hitch

Refer to Fig. 29 and follow these steps:

#### PIVOT MOUNTING BRACKETS AND CABLE FOLD ARMS

Mount the left and right pivot mounting brackets to the outside of the hitch frame against the welded stops. Secure with 5/8" U-bolts, lock washers and nuts – do not completely tighten.

Attach the left and right cable fold arms to the mounting brackets and secure with 1-1/4" x 14" pins, bolts, flatwashers and locknuts.

#### LOCK ASSEMBLY AND HYDRAULIC CYLINDER

Attach Auto-Fold lock with 1" bolt and bushing. Install hydraulic cylinder. Adjust pivot mount brackets and hydraulic cylinder rod end clevis so Auto-Fold lock fully engages over Auto-Fold arms when the cylinder is retracted. Also check that the Auto-Fold arms do not bind when lifted into transport position. If Auto-Fold does not release, adjust the 3/4" x 2-1/

4" bolt and jamnut (Ref. 25 & 28) to provide clearance between the guide (A) and the hitch tube. Tighten 5/8" U-bolts on pivot mounting brackets when adjustments are complete.

#### TENSION SPRINGS

Attach tension springs with 3/4" eyebolts and locknuts. Tighten eyebolts on long springs (8C1940) until the spring coils begin to separate. Tighten eyebolts on lock spring (8C1950) 1/4" past the point that the spring coils begin to separate.

#### HYDRAULIC SYSTEMS

Assemble hoses and fittings as shown.

The Auto-Fold warning decals must be clearly visible to the operators. The Auto-Fold arms must rest on the hitch frame while the hydraulic cylinder is being retracted. If Auto-Fold arms do not rest on hitch frame, back up machine further or readjust if necessary.

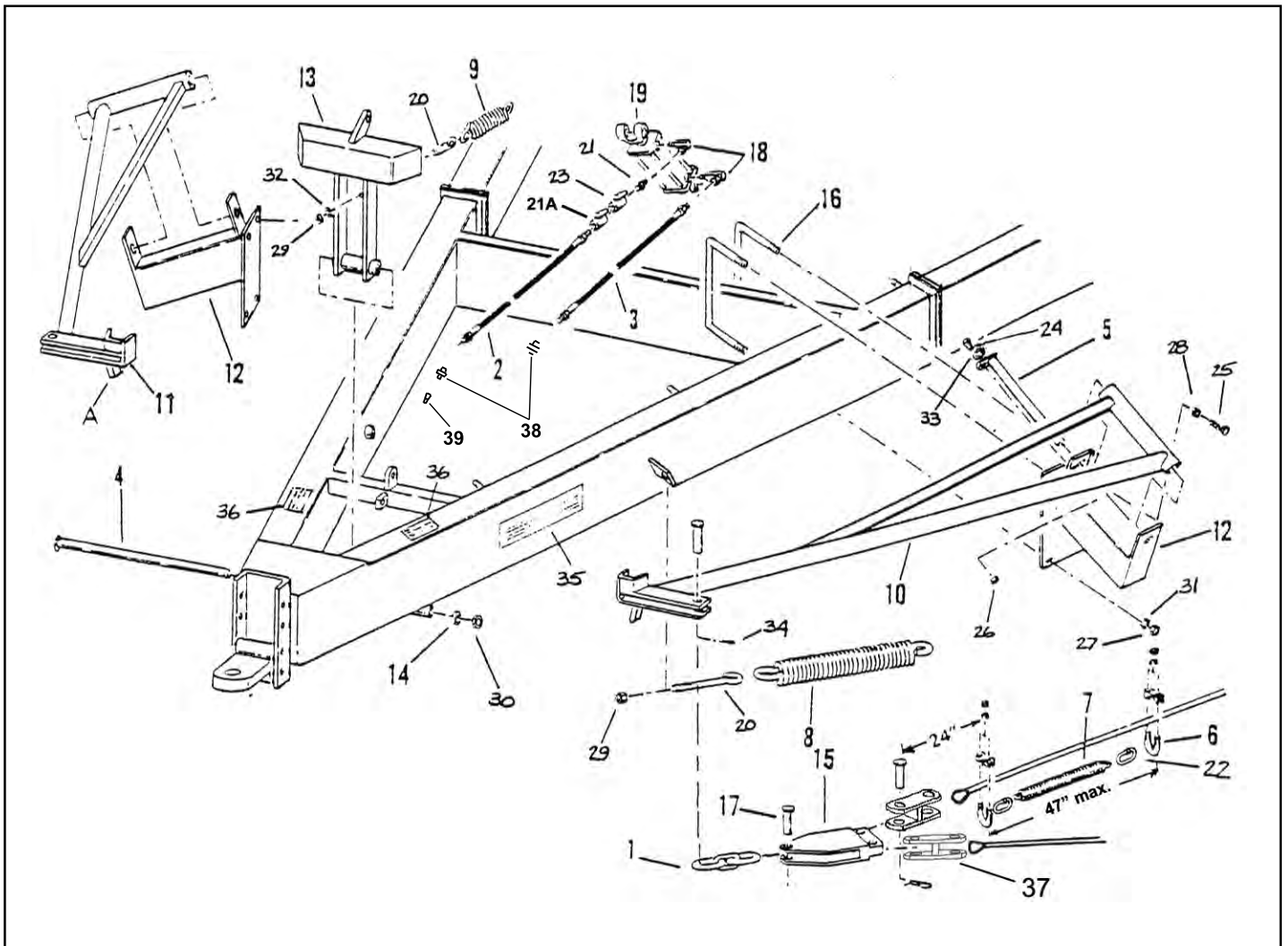


Fig. 29 Assembly: Cable Auto-Fold (20 Ft. Hitch)

## SECTION 6 – SET-UP INSTRUCTIONS CABLE AUTO-FOLD (20 Ft. Hitches)

### CABLE AUTO-FOLD ASSEMBLY (20 Ft. Hitch)

Ref.	Part No.	Description	Qty.
1	8D2400	Chain 3 Link .625" Dia.	2
	8D2410	Chain 9 Link .625" Dia.	2
2	8N3084	3/8"x84" Hyd Hose	1
3	8N3096	3/8"x96" Hyd Hose	1
4	8X0150	Bolt 1-8NCx20"	1
5	8C1470	Pin 1-1/4"x14"AF Arm Pvt	2
6	8C1900	Clamp 1/2" Wire Rope	X
7	8C1920	Spring (Cable)Auto-Fold	X
8	8C1940	Spring Auto-Fold	X
9	8C1950	Spring Lock Auto-Fold	X
10	8C2600	Arm Auto-Fold Left	X
11	8C2610	Arm Auto-Fold Right	X
12	8C2615	Pivot Mnt Brckt Auto-Fold	X
13	8C2640	Lock Assembly Auto-Fold	X
14	8C2660	Bushing Auto-Fold Lock-5/16"	X
15	8C2690	Front Cable Attch Dual Cable	X
16	8D0330	U-Bolt 5/8x6-1/16x5-5/8" Sq	X
17	8D2730	Pin Cable 1"x2-3/4"	X
18	8J6010	3/4"-16 ORB X #6 JIC(M) 90° ADP	X
19	8D9118	Cyl 2.5x8" w/o Depth Control	X
20	8R6145	Eye Bolt 3/4"	X
21	8J5600	9/16"-18 ORB X #6 JIC(F-SW)	X
21A	8J5500	9/16"-18 ORB X #6 JIC(M)	X
22	8S1076	Quicklink 1/4"	X
23	8J7000	Ball Valve	X
24	8X0063	Bolt 1/2-13NCx1-1/2"	X
25	8X0112	Bolt 3/4-10NCx2-1/4"	X
26	8X0242	Nut Ny-Lock 1/2"-13NC	X
27	8X0250	Nut Hex 5/8"-11NC	X
28	8X0259	Nut Jam 3/4"-10NC	X
29	8X0261	Nut Ny-Lock 3/4"-10NC	X
30	8X0281	Nut Ny-Lock 1"-8NC	X
31	8X0304	Lockwasher 5/8"	X
32	8X0318	Washer Flat 3/4 (13/16"ID)	X
33	8X0330	Washer 1.25x17/32"ID	X
34	8X0414	Cotter Pin 1/4x2"	X
35	8Z0093	"Warning"Autofold Decal	2
36	8Z0232	Auto Fold Warning Decal	2
37	8D0312	Clevis	X
38	8J5510	3/4" -16 ORB X #6 JIC(M) STR	2
39	8D3212	Male Tip 3/4"-16ORB ISO	2



## WARNING

AUTO-FOLD LOCK CYLINDER MUST BE FULLY RETRACTED DURING FIELD OPERATION. HOLD HYDRAULIC LEVER FOR 5 SECONDS AFTER CYLINDER IS FULLY RETRACTED TO INSURE THAT IT IS FULLY PRESSURIZED. IF THE TRACTOR HYD. SYSTEM DOES NOT HOLD PRESSURE OR IF THERE IS A CHANCE OF ACCIDENTALLY EXTENDING THE LOCK CYLINDER DURING FIELD OPERATION, MANUAL VALVE MUST BE CLOSED AFTER LOCK IS ENGAGED. IF AUTO-FOLD LOCK CYLINDER EXTENDS DURING FIELD OPERATION, DAMAGE WILL OCCUR AND WARRANTY IS VOID.

8Z0093

## SECTION 7 – OPERATION - ALL MACHINES

### TRANSPORT TO FIELD POSITION

To place machine in field position from transport position, follow this procedure:

1. Hitch machine to tractor drawbar using a locking hitch pin. Connection hydraulic hoses to tractor. Raise jack(s).
2. Select a level area in the field in which to open the machine.
3. **IMPORTANT: Remove the transport locking pins if they are in the lock position (See Fig. 30). Store pins in the storage holes provided.**
4. **Back machine up slowly, maneuvering it so wings open evenly. If wings do not open evenly, pull ahead and try again. Open wings until they are slightly ahead of the center.**
5. **Machines without Auto-Fold: Attach cables. 20' hitch with Auto-Fold only: Retract Auto-Fold cylinder (See decal 8Z0093 on page 1-3 for further information).**
6. **Extend the hydraulic cylinders located at rear of hitch and lower the sections in a smooth continuous motion until the sections are resting on the ground. When lowering machine to field position, a hydraulic restrictor valve prevents the machine from “falling” too fast. Once the machine is resting on the ground, it may be necessary to hold the hydraulic control lever several seconds to allow oil to completely fill the cylinders and extend their full stroke.**
7. **Hinge wing machines only: The 1-1/4” x 9-1/2” lock pins must be removed before field operation. Store pins in storage holes provided.**

### FIELD TO TRANSPORT POSITION

To place machine in transport position from field position, follow this procedure:

1. Stop in a level area and back tractor up enough to provide slack in the pull cables. (20' hitch with Auto-Fold only – extend Auto-Fold lock cylinder.)
2. Hinged wing machines only: The 1-1/4” x 9-1/2” lock pins must be installed before placing the machine into transport position.
3. Raise the sections by completely retracting the hydraulic cylinders located at rear of hitch.
4. Machines without Auto-Fold: Detach cables and secure out of the way (draping over sections provide an easy way of storing cables).
5. With the machine resting on its transport wheels, drive the tractor forward. The wings should fold to trailing (transport) position. NOTE: If the wings do not trail properly, transport wheel “toe in” may need to be adjusted (See Fig. 32).
6. Install Transport Lock Pins.

### UNHITCHING MACHINE

1. Always select a level area in which to park machine. As an added precaution, block the wheels on the hitch to prevent the machine from rolling.

2. Insure that Transport Lock Pins are installed (See Fig. 30).
3. If hitch tongue is light, mount hitch jacks on wing tube before tractor is removed. (See Fig. 31 and Page 1-2 – Negative Hitch Weight Warning). Two wing tube jack brackets are standard on all Superweeders. The second wing tube jack bracket is optional on most Culti-Harrows and Superharrows. Order PN 8C2280 for bracket and PN 8D0330 for mounting U-bolt.



**CAUTION! ALWAYS BLOCK UP THE HITCH WHEN UNHOOKING A MACHINE WITH MORE THAN 100 GALLONS REMAINING IN THE SPRAYER TANK. HITCH JACK WILL NOT SUPPORT MORE THAN THIS WEIGHT.**

4. After completing above steps, disconnect hydraulic hoses, remove hitch pin, and drive tractor carefully ahead.

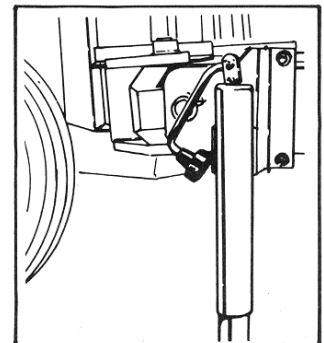
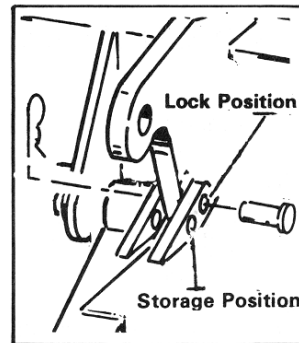


Fig. 30 Transport Locking Pins Fig. 31 Wing Tube Jack Mount

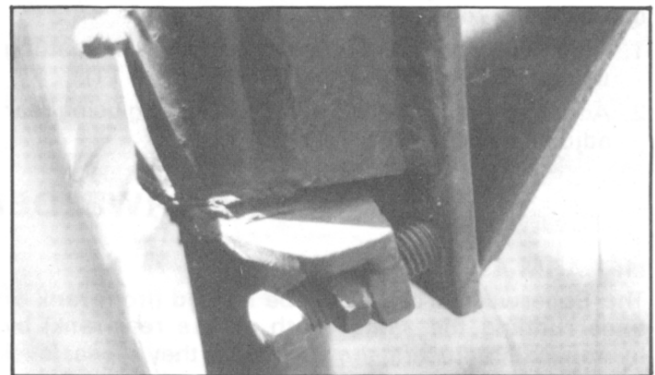


Fig. 32 Transport Wheel “Toe-In” Adjustment

### CULTI-HARROW ADJUSTMENTS LIFT ARM ADJUSTMENT

Once the Culti-Harrow is in field position, the lift arms can be adjusted hydraulically. Lift arms should be parallel with the ground. If the harrow is equipped with optional spring pressure, the lift arms can be adjusted lower on the rear to put spring pressure down on the sections. **IMPORTANT:** The harrow lift arms should never ride on the harrow sections as this will damage the lift arms and sections.

## SECTION 7 – OPERATION - ALL MACHINES

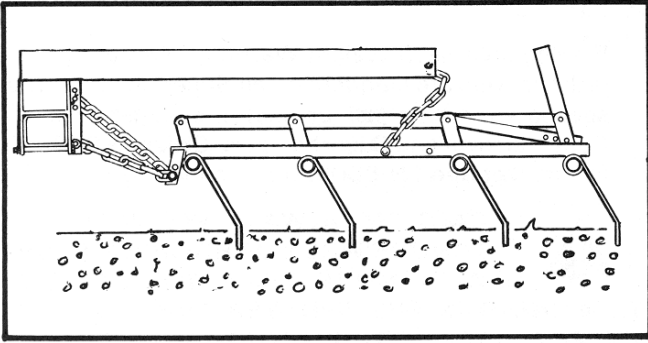


Fig. 33 Teeth Set for Shallow Penetration

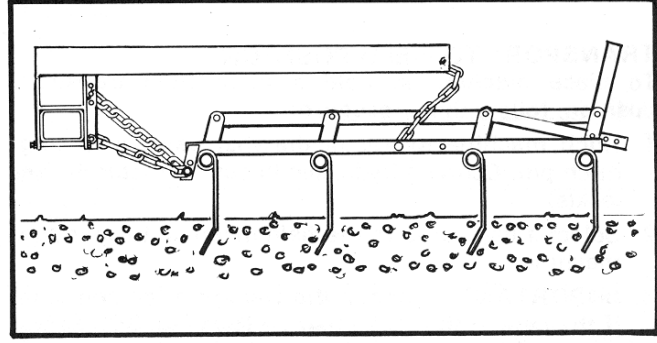


Fig. 34 Teeth Set for Deep Penetration

### HARROW SECTION ADJUSTMENT

Harrow sections should be attached to lift arms as shown in figure 3, page 2-3.

To adjust sections for deep or shallow penetration, see figures 33 and 34. **SECTIONS NOT RIDING LEVEL:** If sec-

tions ride high on front, place top pull chain in bottom hole on lift arm bracket. If section rides low in front, place top pull chain in top hole on lift arm bracket.

## SUPERHARROW ADJUSTMENTS

### SECTION ADJUSTMENT

Section down pressure can be increased or decreased hydraulically by adjusting the lift cylinders.

Adjust teeth angle for penetration and trash clearance required.

Lift arms should run level to insure equal penetration of all teeth. If one lift arm runs higher than the other lift arm on a section, replace the top spacer tube 8HD0510 with PN 8HD0520 on the lift arm that runs high. If all lift arms run high in back, the following adjustments can be made to level the section:

1. Adjust front bar teeth only in a less aggressive setting using front adjustment bar.

2. Adjust all teeth in a less aggressive setting.
3. Raise entire section (See Height Adjustment Instructions, Page 3-3).

If all lift arms run low in back, the following adjustments can be made to level section:

1. Adjust front bar teeth only in a more aggressive setting using front bar.
2. Adjust all teeth in a more aggressive setting.
3. Lower entire section (See Height Adjustment Instructions, Page 3-3).

**ALWAYS, be sure transport locking pins are in the lock position when making adjustments on the machine when in the raised or transport position.**

## SUPERWEEDER ADJUSTMENTS

### LIFT ARM ADJUSTMENT

The Superweeder can easily be leveled (front rank of tines running the same depth as the rear rank) by hydraulically adjusting the lift arms so they appear level from the operator's seat. This should be done while the machine is moving forward at normal operating speed. **IMPORTANT:** The lift arms should never ride on the harrow sections as this will damage the lift arms and sections.

### DEPTH ADJUSTMENT - MANUAL

It is recommended that the Superweeder be pre-set in the top set of adjustment holes (See Fig. 35). Maximum S-tine penetration at this setting, with S-tines rotated completely forward, will be 3-1/2". By mounting bar bushings in bottom set of adjustment holes, S-tine penetration is increased 1-1/2" to a maximum of 5".

### DEPTH ADJUSTMENT - HYDRAULIC

The penetration depth of S-tines can also be controlled hydraulically. Extending the S-tine controlling cylinders (2-1/2" x 8") rotates the S-tines rearward for shallower penetration.

Full extension of the cylinders completely retracts the S-tines from the soil. To uniformly set the penetration depth of S-tines across the entire machine, use the stroke control adjustment found on the rod-end of the cylinders. Restricting the stroke on the S-tine controlling cylinders affects penetration depth according to the following chart.

STROKE CONTROL (dist. stop screwed out)	CHANGE IN PENETRATION DEPTH
1"	1/4" - 1/2"
2"	1/2" - 3/4"
3"	1" - 1-1/2"

Machine must not be adjusted to exceed a maximum S-tine tillage depth of 5" in loose soil conditions. In hard soil conditions, S-tines must not exceed 3" in depth.

**NOTE: Additional stroke control requires depth controls segments (not supplied) to be added on cylinder shaft. However, such additional control may possibly affect the vibrating action of S-tines.**



## SECTION 7 – OPERATION - ALL MACHINES

### USING THE SUPERWEEDER AS A HARROW ONLY

To use your Summers Superweeder for pre-emergence chemical incorporation, (Example: Treflan incorporated over seeded wheat) simply fully extend the S-tine controlling cylinders. This will rotate S-tines completely out of the ground (6" ground clearance) and thus convert the Superweeder into a "straight harrow".

NEVER rotate S-tines forward or backward with machine in transport position.

ALWAYS watch machine carefully when rotating S-tines forward in case an S-tine has accidentally caught on a harrow section.

ALWAYS be sure transport locking pins are in the lock position when making adjustments on the machine in the raised or transport position.

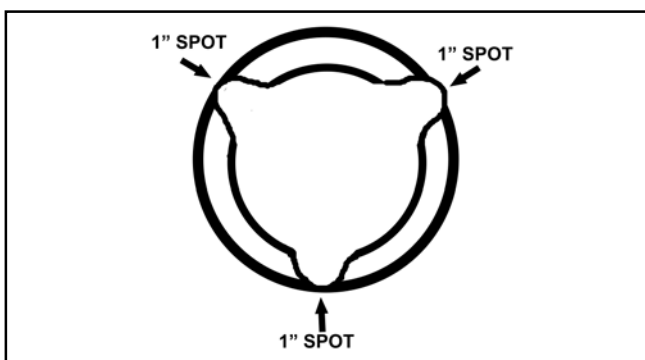
### CABLE PULL BRACKETS

Under severe conditions (heavy machine draft due to deep penetration or high field speed) cable pull brackets may tend to slide on drawbar wing tube, resulting in improper cable adjustment. The recommended solution to this problem is to relocate cable pull brackets at exact desired position then weld a stop on drawbar itself next to cable pull brackets.

### ADD DRAWBAR

**It is important to check the tightness of the ADD Drawbar plate bolts after the first day of use and weekly thereafter. The ADD Drawbar (Adjustable Double Disk) is a feature exclusive to Summers machines and provides for precise machine leveling.**

Rotating the ADD Drawbar plates will raise or lower the lift arms on the wing of a machine in relation to the lift arms on the center section. Rotating the plates one hole will change the height at the end of a Superweeder lift arm approximately 1-1/2". After 10 hours of use, recheck that wing sections are running level with center section. Re-level with ADD if required. When level, spot weld plates as shown in drawing below. Spot welds must be ground off prior to future leveling.



### SUMMERS AUTO-FOLD (16 Ft. Only)

#### FIRST-TIME OPERATING PROCEDURE

1. Back up the machine to spread it out but do not lower machine to ground.

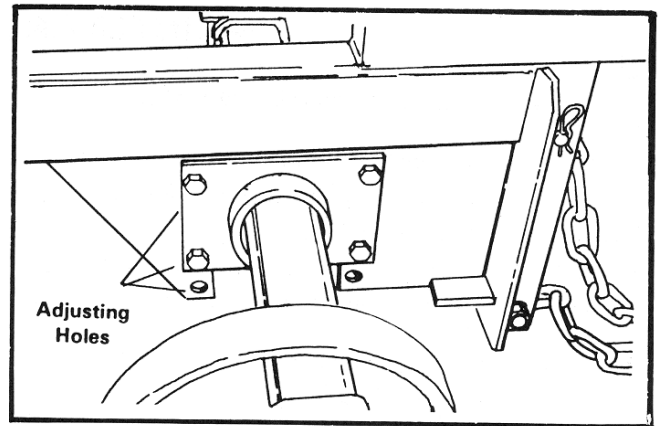


Fig. 35 Manual Depth Adjustment

2. As the machine is lowered the cable attached to the drawbar center will tighten causing the lock cups to rotate and lock the cable lift arms in place. The tension in this cable must be watched the first time the machine is lowered.
3. Have someone slowly lower the machine while you observe the tension in this cable. If the lock cups on the latch assembly are fully locked (become solid) before the machine is completely lowered, the cable will have to be lengthened. If the lock cups on the latch assembly only partially lock when the machine is completely lowered, the cable will have to be shortened.
4. To adjust the cable, simply loosen the two cable clamps and make the necessary adjustment. Caution: A small change in cable length greatly affects cable tension – adjust with care.
5. With the machine down in field position, attach the pull cables to the cable pull arms. Then raise the machine and drive ahead slowly while carefully observing the operation of the entire system. If the system functions smoothly, the installation is complete.

**WARNING: Damage may occur to the auto-fold system if the lock cups do not clear the cable fold arms as the machine is lowered. The cable fold arms must rest against the hitch frame when machine is lowered. If the cable fold arms swing outward slightly as the machine is lowered, this means the operator must back up BEFORE lowering the machine.**

### TRANSPORT AND STORAGE ALL AUTO-FOLD MACHINES

At the beginning and end of every season, grease all zerks with a good grade of multi-purpose grease. Detach the cables from the cable fold arms whenever transporting long distances or storing machine for winter. Always detach the cables when the machine is in field position prior to folding for transport.

## SECTION 7 – OPERATION - ALL MACHINES

### MAINTENANCE AND SERVICE

#### LUBRICATION

Grease fitting locations and lube frequencies:

- Daily:** 2 on each knuckle  
**Daily:** 1 on hinged joint on hinged wing machines  
**Daily:** Auto-Fold pivots  
**Weekly:** 1 on each transport wheel axle  
**Weekly:** 1 on each pivot tube where center section attaches to hitch  
**Periodic:** Repack wheel bearings. Check tightness of all hardware.

Lubricate these fittings with a good grade of general purpose grease.

**Over Winter:** Coat extended hydraulic cylinder rods with grease to prevent corrosion.

#### TIRE INFLATION

Listed below are recommended tire inflations:

- Hitch Tires:** 11L x 15 - 36 PSI  
 14L x 16.1 - 30 PSI  
**Wing Support Tires:** 7.60 x 15 - 24 PSI  
 11L x 15 - 24 PSI  
**Transport Tires:** 7.60 x 15 - 40 PSI  
 11L x 15 - 36 PSI

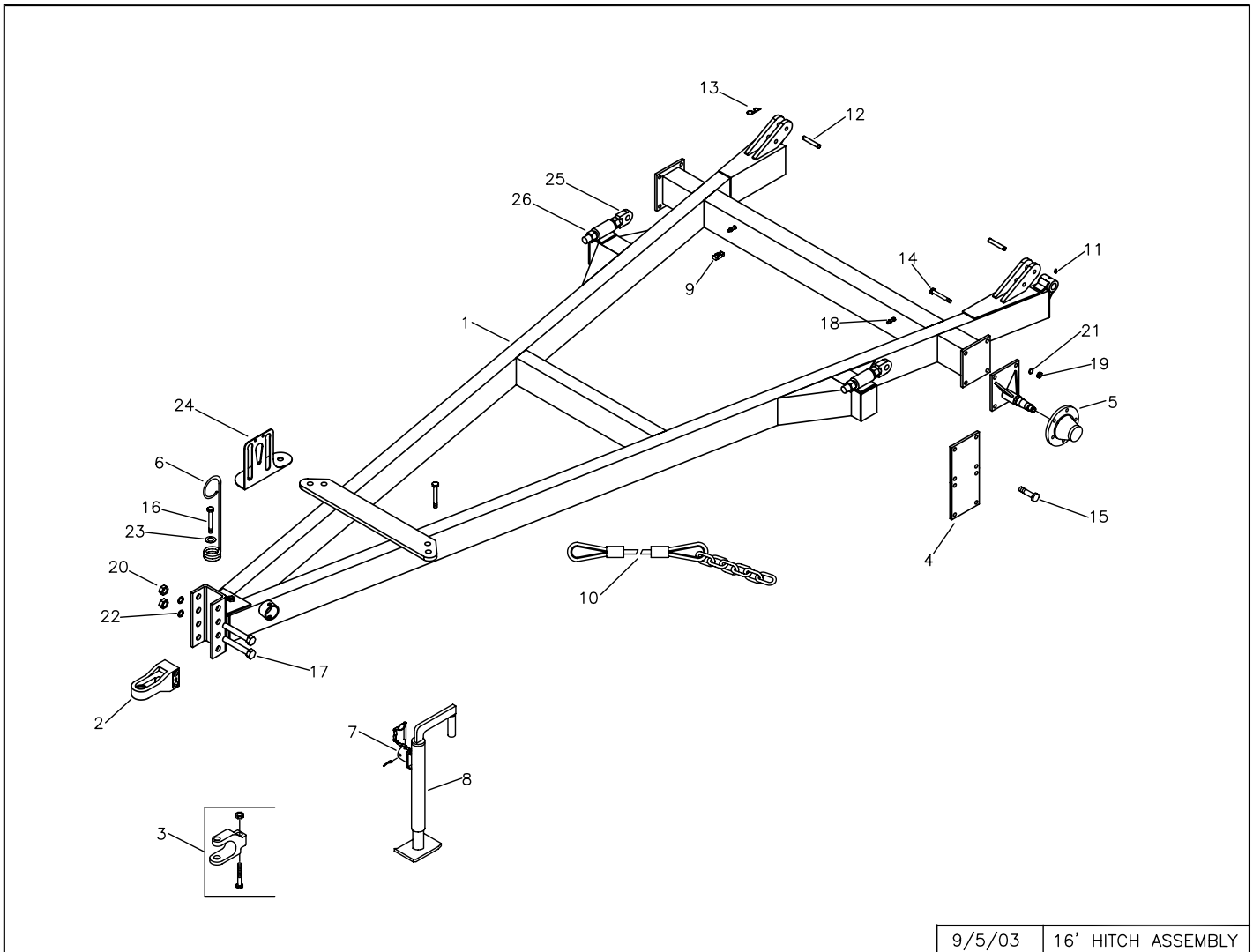
NO.	PROBLEM	CAUSE	CORRECTION	PAGE
1.	Light main hitch.	Transport wheels located to far back on wing tubes.	Relocate transport wheels farther ahead on wing tubes. Use wing tube jack bracket.	1-2
2.	Wings trail too far apart in transport position.	Insufficient transport wheel toe-in adjustment.	Adjust transport wheel toe-in screw for desired trailing position.	7-1
3.	Lowers to field position in a fast or jerky motion.	Hydraulic restrictor valve missing or installed backwards in hydraulic return line.	Install restrictor valve in hydraulic return line so flow is restricted when machine is lowered.	2-5, 2-6, 3-7, 3-8, 4-9, 4-10
4.	Wings of machine bounce excessively.	Improper support tire inflation. Problems 5 & 6.	Inflate support tire to proper pressure.	7-4
5.	Wings are not pulling evenly in field position.	Cable pull brackets are improperly located.	Relocated cable pull brackets until wings slightly lead the center.	-
6.	Harrow sections not riding level. (Culti-Harrow Only)	Top pull chains are improperly adjusted.	Adjust top pull chains by placing in different adjustment hole on lift arm.	2-3, 7-2
7.	S-Tines on Superweeder tend to rotate out of the ground.	Hydraulic cylinder leaking.	Replace or repair cylinder.	8-15, 8-16
		Tractor hydraulic circuit not holding pressure.	Repair tractor valve	-
8.	End harrow sections riding up on wing support tires while turning corners. (Culti-Harrow Only)	Turning too sharp.	Replace end section top pull chain with a solid pull strap, or: slide a 9" length of 1-1/2" standard pipe over top pull chain.	2-3, 7-2
9.	20' hitch Auto-Fold arms do not fold into transport position.	Improper pivot bracket adjustment.	Adjust pivot bracket with set bolts and jam nuts.	6-1
10.	Culti-Harrow Sections jumping.	Excessive field speed	Reduce field speed.	-
		Pull chains improperly adjusted.	Adjust pull chains.	2-3, 7-2
			Install optional spring pressure.	2-3

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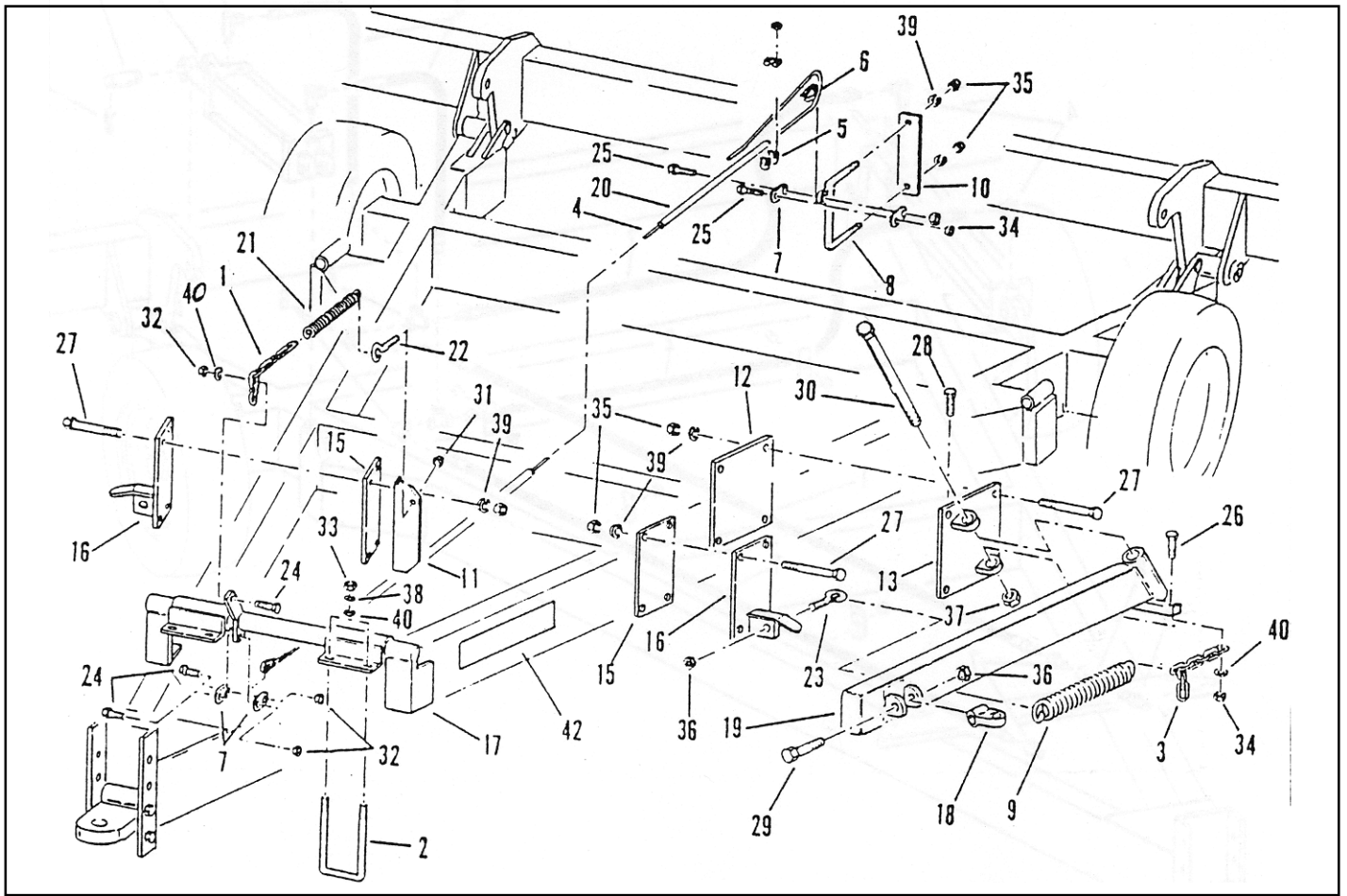
## SECTION 8 – PARTS



### HITCH ASSEMBLY — 16 FT.

Ref.	Part No.	Ref.	Part No.
1	8D6016 - 16' Hitch	12	8X0440 - Clevis Pin 5/8x3-7/8"
2	8D0720 - Hitch Piece Cast	13	8X0402 - Hair Pin Clip
3	8D0724 - Clevis Hitch Option	14	8X0093 - Bolt 5/8-11NCx2"
4	8D6340 - Drop Axle Hitch w/Hardware	15	8X0086 - Bolt 5/8-11NCx1-1/4"
5	8D6350 - Spindle w/Plate Hitch for 611 Hub	16	8X0110 - Bolt 3/4-10NCx1-1/4"
	8D6355 - Spindle w/611 Hub Hitch	17	8X0140 - Bolt 1-8NCx7" w/1.38" Thd
	8D3840 - Spindle w/Plate Hitch for 614 Hub	18	8X0202 - Nut Ny-Lock 3/8"-16NC
	8D3845 - Spindle w/614 Hub Hitch	19	8X0250 - Nut Hex 5/8"-11NC
	See Hub Breakdown Page 8-21	20	8X0280 - Nut Hex 1"-8NC
6	8D8500 - Hyd Hose Holder	21	8X0304 - Lockwasher 5/8"
7	8D8521 - Jack Spool	22	8X0309 - Lockwasher 1"
8	8D8522 - 5000 LB Jack 15" Lift 5/8" Pin	23	8X0318 - 3/4" Flat Washer
9	8S2990 - Hyd Hose Clamp	24	8D8490 - Hose Holder
10	Cables & Pins – See Page 8-5	25	8K1680 - Cyl. Bolt
11	8X0721 - Zerk 5/16-24 NF	26	8X0284 - Nut Hex 1-1/4"-7NC

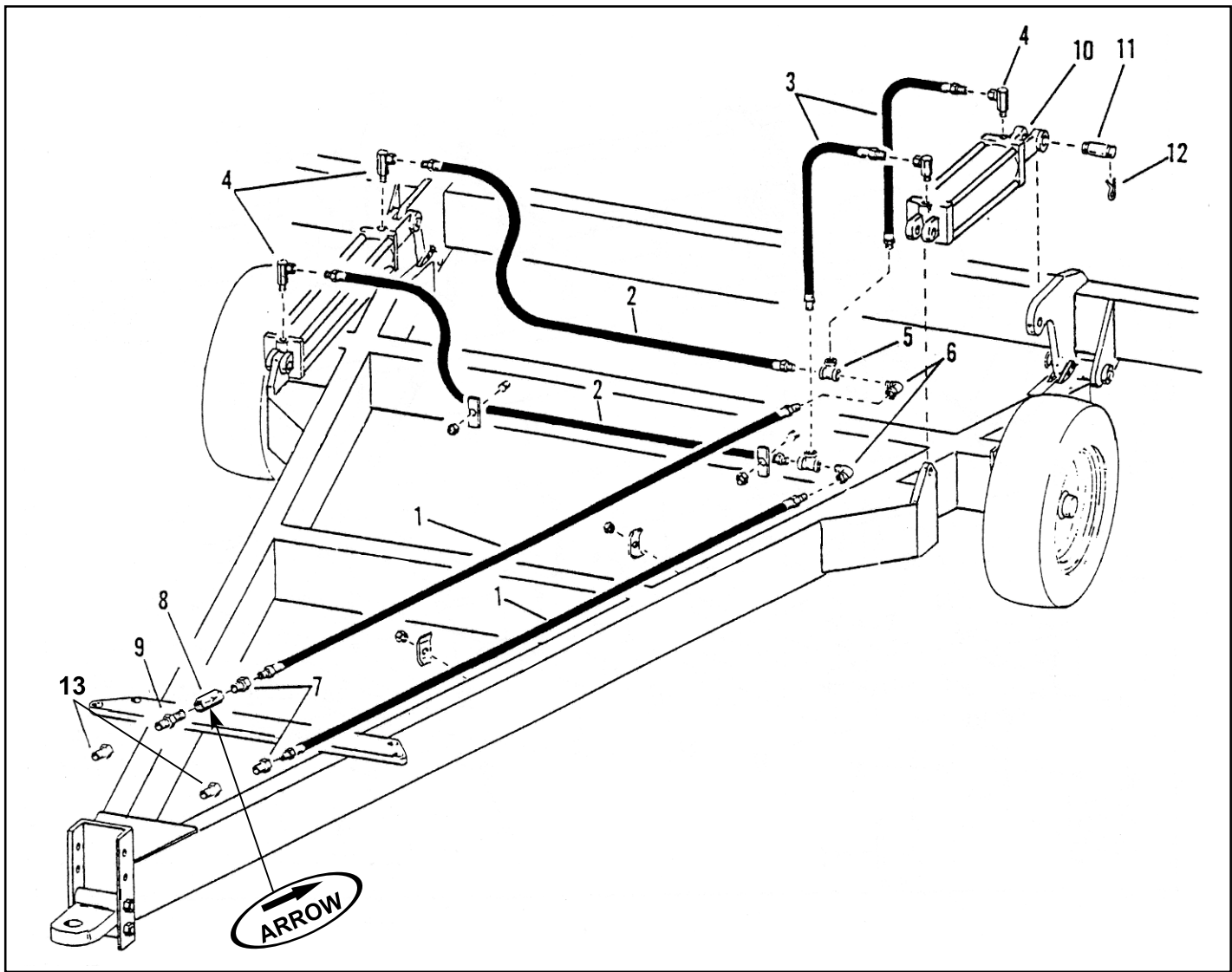
## SECTION 8 – PARTS



**CABLE AUTO-FOLD ASSEMBLY (16 Ft. Hitch)**

Ref.	Part No.	Ref.	Part No.
1	8D2100 - Chain 6 Link	21	8R4190 - Selector Spring
2	8D3152 - U-Bolt 1/2x3-3/8x7-1/4" Sq	22	8R4335 - Eye Bolt 3/8" NC
3	8D4012 - 16 Ft. Chain	23	8R6145 - Eye Bolt 3/4"
4	8D4020 - 16 Ft. Cable	24	8X0034 - Bolt 7/16x1.75 w/1" Thread
5	8D4024 - Cable Clamp 1/4" Malleable	25	8X0062 - Bolt 1/2-13NCx2"
6	8D4026 - Cable Thimble 1/4" HD	26	8X0067 - Bolt 1/2-13NCx2-1/4"
7	8D4030 - Link Cable & Chain Attach	27	8X0095 - Bolt 5/8-11NCx5"
8	8D4040 - Drawbar Cable Anchor U-Bolt	28	8X0107 - Bolt 3/4-10NCx2"
9	8D4050 - Spring Auto Cable Fold	29	8X0113 - Bolt 3/4-10NCx5"
10	8D4110 - Mt Plate For U-Bolt	30	8X0144 - Bolt 1-8NCx9-1/2"
11	8D4120 - Angle Brckt Latch Spring	31	8X0202 - Nut Ny-Lock 3/8"-16NC
12	8D4130 - Mt Plate Pivot	32	8X0234 - Nut Ny-Lock 7/16"-14NC
13	8D4140 - Mt Brckt Pivot L	33	8X0240 - Nut Hex 1/2"-13NC
14	8D4150 - Mt Brckt Pivot R	34	8X0242 - Nut Ny-Lock 1/2"-13NC
15	8D4160 - Mt Plate Spring Anchor	35	8X0250 - Nut Hex 5/8"-11NC
16	8D4170 - Mt Brckt Spring Anchor	36	8X0261 - Nut Ny-Lock 3/4"-10NC
17	8D4200 - 16 Ft. Lock	37	8X0281 - Nut Ny-Lock 1"-8NC
	8D4202 - 14 Ft. Cable & Lock (not shown)	38	8X0303 - Lockwasher 1/2"
18	8D4210 - Cable Pull w/Tube	39	8X0304 - Lockwasher 5/8"
19	8D4220 - 16' L Arm	40	8X0330 - Washer 1.25x17/32" ID
	8D4230 - 16' R Arm	41	8Z0232 - Auto Fold Warning Decal
20	8F9410 - Applicator Hose 3/8" (10'6")		

## SECTION 8 – PARTS



**HYDRAULIC SYSTEM — 16 FT. HITCH**

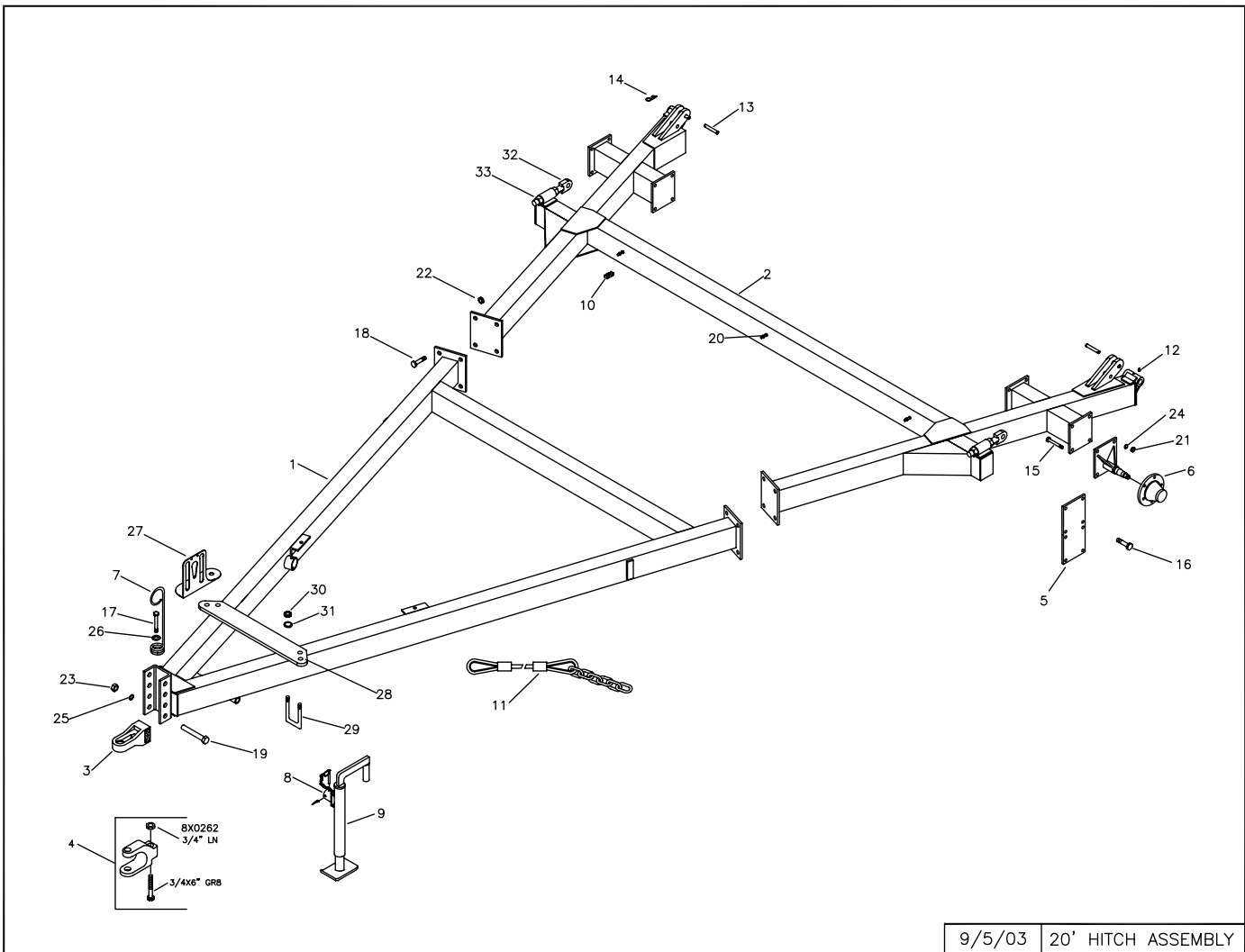
Ref.	Part No. - Pipe Thread Fittings ( -2003)	Ref.	Part No. - JIC Fittings (2003- )
1	8D3093 - 3/8" X 204" Hyd Hose 3000 PSI	1	8N3204 - 3/8" X 204" Hyd Hose 3000 PSI
2	8D3085 - 3/8" X 66" Hyd Hose 3000 PSI	2	8N3070 - 3/8" X 70" Hyd Hose 3000 PSI
3	8D3106 - 3/8" X 18" Hyd Hose 3000 PSI	3	8N3018 - 3/8" X 18" Hyd Hose 3000 PSI
4	8D3097 - 3/4"-16 ORB X 3/8" FPX 90° ADP	4	8J6010 - 3/4"-16 ORB X #6 JIC(M) 90° ADP
5	8R6942 - 3/8" FPT Tee 3 Swivels	5	8J5300 - #6 JIC(M) 3X Tee
6	8R6853 - 3/8" MP X 3/8" FPX 90° ADP	6	8J5700 - #6 JIC(F-Swvl) X #6 JIC(M) 90° ADP
7	8D3098 - Hex Bushing 1/2x3/8"	7	8J5510 - 3/4"-16 ORB X #6 JIC(M) STR
8	8D3099 - 1/2" Restrictor Valve	8	8J7116 - 3/4"-16 ORB X 3/4"-16 ORB 1 Way 1/16" Restrictor Valve
9	8D3107 - 1/2" Hex Close Nipple	9	8J5680 - 3/4"-16 ORB X 3/4"-16 ORB Union
10	8D9216 - Hyd Cylinder 3"x16"	13	8D3212 - Male Tip, 3/4"-16ORB ISO
	8D9316 - Hyd Cylinder 3-1/2"x16"		
	8D9416 - Hyd Cylinder 4"x16"		
11	8D9100 - Clevis Pin 1"x3 1/2"		
	8D9102 - Clevis Pin 1"x4"		
12	8D9110 - Hair Pin Clip		

## SECTION 8 – PARTS

### 16' HITCH — 6" X 4" DRAWBAR Specification Chart

Machine Size	Cable Length	PN-Cable Single	PN-Center	PN-Wing, Inner	PN-Wing, Outer	PN-Lift Cylinder
<b>CULTI-HARROW (3/8" Tooth)</b>						
25'	149"	8D1800	8D1065	8W1022		8D9216
33'	193"	8D1830	8D1065	8W1023		8D9216
39'	193"	8D1830	8D1065	8D1090		8D9216
42'	193"	8D1830	8D1075	8D1090		8D9216
44'	193"	8D1830	8D1065	8D1091		8D9216
53'	246"	8D1860	8D1065	8D1092		8D9216
55' (Hinged Wing) Inside	178"	8D1820	8D1065	8W1040/Left	8W1039	8D9216
Outside	262"	8D1870		8W1041/Right		
56'	246"	8D1860	8D1075	8D1092		8D9216
61'	246"	8D1860	8D1065	8D1093		8D9216
66' (Hinged Wing) Inside	214"	8D1840	8D1065	8D1022/Left	8W1039	8D9216
Outside	324"	8D1900		8D1024/Right		
67'	324"	8D1900	8D1065	8D1094		8D9216
67' (Hinged Wing) Inside	178"	8D1820	8D1065	8D1028/Left	8D1040	8D9216
Outside	324"	8D1900		8D1029/Right		
70'	324"	8D1900	8D1075	8D1094		8D9216
70' (Hinged Wing) Inside	193"	8D1830	8D1075	8D1028/Left	8D1040	8D9216
Outside	324"	8D1900		8D1029/Right		
77' (Hinged Wing) Inside	214"	8D1840	8D1065	8D1022/Left	8D1036	8D9316
Outside	370"	8D1920		8D1024/Right		
<b>SUPER HARROW (1/2" Tooth)</b>						
36'	178"	8D1820	8D1065	8HD2036		8D9216
48'	227"	8D1850	8D1065	8HD2048		8D9316
60'	246"	8D1860	8D1065	8HD2060		8D9316
60' (Hinged Wing) Inside	178"	8D1820	8D1065	8HD2162L/Left	8HD2268	8D9316
Outside	246"	8D1860		8HD2162R/Right		
66' (Hinged Wing) Inside	193"	8D1830	8D1062	8HD2172L/Left	8HD2268	8D9316
Outside	324"	8D1900		8HD2172R/Right		
<b>SUPER WEEDER</b>						
25'	149"	8D1800	8D1065	8W1100		8D9316
29'	161"	8D1810	8D1062	8W1104		8D9316
33'	193"	8D1830	8D1065	8W1104		8D9316
35'	178"	8D1820	8D1062	8W1106		8D9316
39'	193"	8D1830	8D1065	8W1110		8D9316
42'	214"	8D1840	8D1075	8W1110		8D9416
47'	214"	8D1840	8D1065	8W1120		8D9416
50'	227"	8D1850	8D1075	8W1120		8D9416
55' (Hinged Wing) Inside	178"	8D1820	8D1065	8W1140/Left	8W1039	8D9416
Outside	262"	8D1870		8W1142/Right		
56' Inside	193"	8D1830	8D1075	8W1130		8D9416
Outside	295"	8D1890				

## SECTION 8 – PARTS



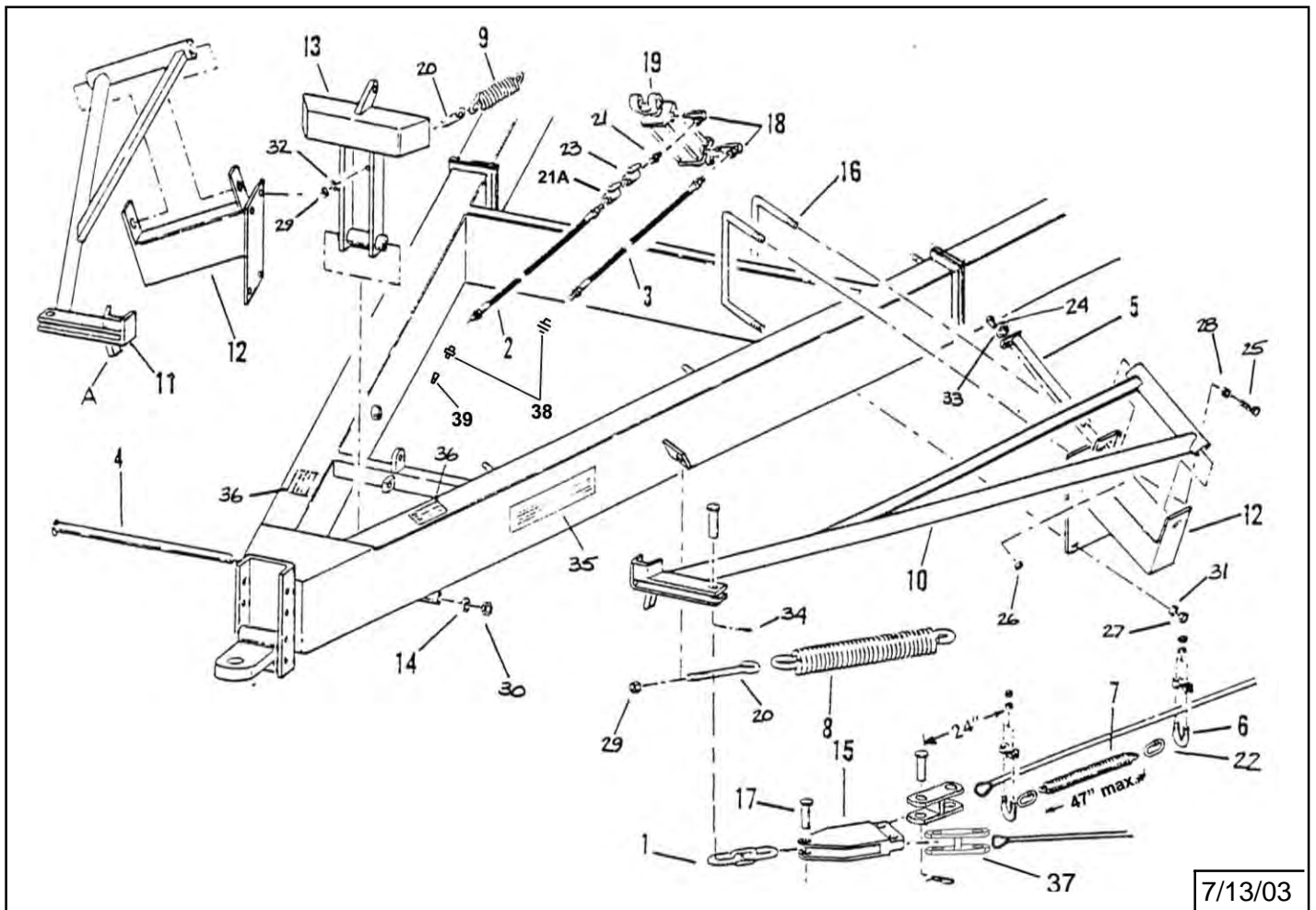
9/5/03 20' HITCH ASSEMBLY

### HITCH ASSEMBLY — 20 FT.

Ref.	Part No.	Ref.	Part No.
1	8D1013A - 20' Hitch Front	15	8X0093 - Bolt 5/8-11NCx2"
2	8D1014 - 20' Hitch Rear	16	8X0086 - Bolt 5/8-11NCx1-1/4"
3	8D0720 - Hitch Piece Cast	17	8X0110 - Bolt 3/4-10NCx1-1/4"
4	8D0724 - Clevis Hitch (Optional)	18	8X0130 - Bolt 7/8-9NCx2"
5	8D6340 - Drop Axle Hitch w/Hardware	19	8X0140 - Bolt 1-8NCx7" w/1.38" Thread
6	8D6350 - Spindle w/Plate Hitch for 611 Hub	20	8X0202 - Nut Ny-Lock 3/8"-16NC
	8D6355 - Spindle w/611 Hub Hitch	21	8X0250 - Nut Hex 5/8"-11NC
	8D3840 - Spindle w/Plate Hitch for 614 Hub	22	8X0270 - Nut Center Lock 7/8"-9NC
	8D3845 - Spindle w/614 Hub Hitch	23	8X0280 - Nut Hex 1"-8NC
	See Hub Breakdown Page 10.2	24	8X0304 - Lockwasher 5/8"
7	8D8500 - Hyd Hose Holder	25	8X0309 - Lockwasher 1"
8	8D8521 - Jack Spool	26	8X0318 - 3/4" Flat Washer
9	8D8522 - 5000 LB Jack 15" Lift 5/8" Pin	27	8D8490 - Hose Holder
10	8S2990 - Hyd Hose Clamp	28	8D1010 - Cable Attach U-Bolt
11	Cables & Pins - See Pages 8-9	29	8D0340 - U-Bolt 3/4x4x7-3/4" Sq
12	8X0721 - Zerk 5/16-24 NF	30	8X0260 - Nut Hex 3/4"
13	8X0440 - Clevis Pin 5/8x3-7/8"	31	8X0306 - Lock Washer 3/4"
14	8X0402 - Hair Pin Clip	32	8K1680 - Cyl. Bolt
		33	8X0284 - Nut Hex 1-1/4"-7NC



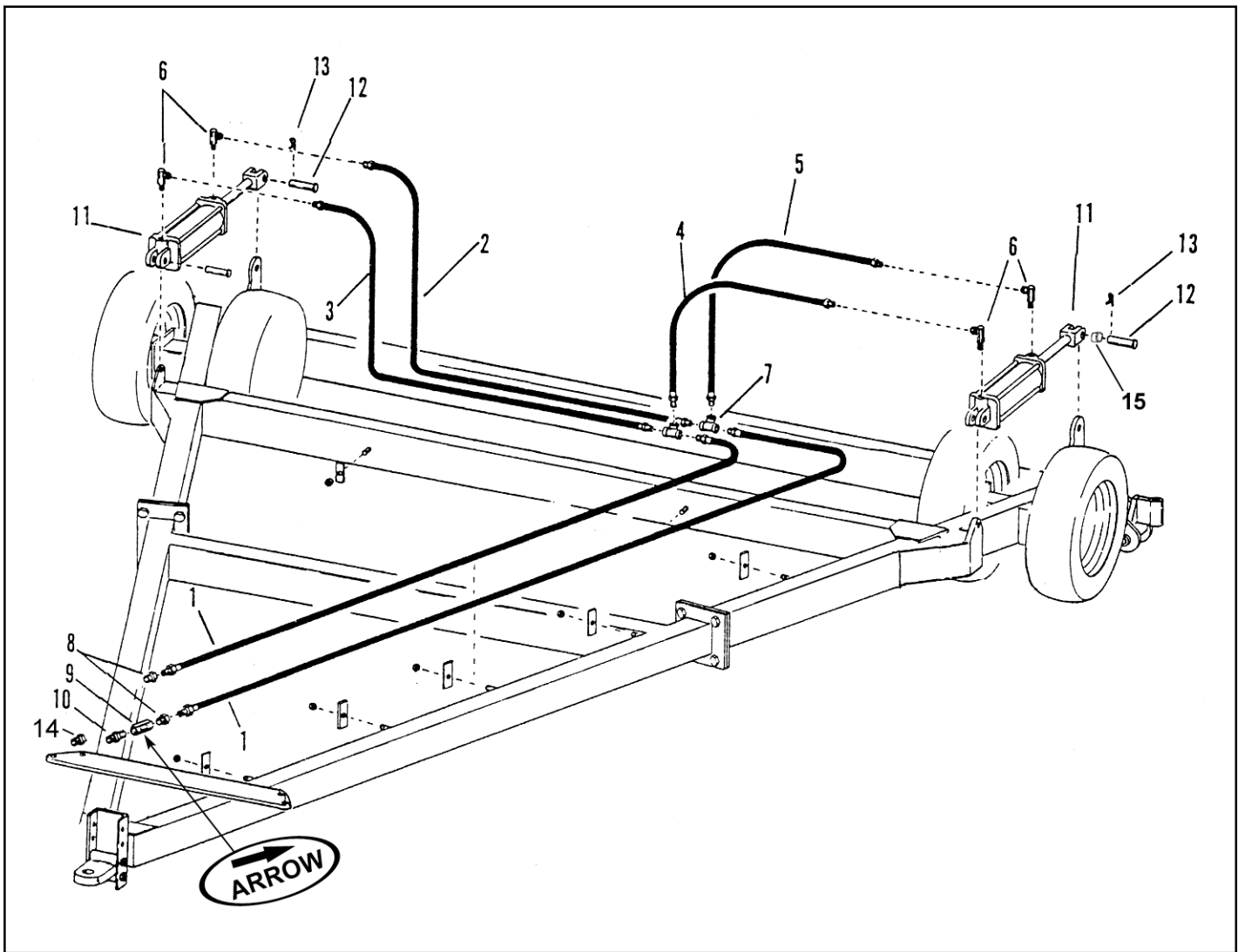
## SECTION 8 – PARTS



**CABLE AUTO-FOLD – (20 Ft. Hitch)**

Ref.	Part No.	Ref.	Part No.
1	8D2400 - Chain 3 Link .625" Dia.	20	8R6145 - Eye Bolt 3/4"
	8D2410 - Chain 9 Link .625" Dia.	21	8J5600 - 9/16"-18 ORB X #6 JIC(F-SW)
2	8N3084 - 3/8"x84" Hyd Hose	21A	8J5500 - 9/16"-18 ORB X #6 JIC(M)
3	8N3096 - 3/8"x96" Hyd Hose	22	8S1076 - Quicklink 1/4"
4	8X0150 - Bolt 1-8NCx20"	23	8J7000 - Ball Valve
5	8C1470 - Pin 1-1/4"x14"AF Arm Pvt	24	8X0063 - Bolt 1/2-13NCx1-1/2"
6	8C1900 - Clamp 1/2" Wire Rope	25	8X0112 - Bolt 3/4-10NCx2-1/4"
7	8C1920 - Spring (Cable) Auto-Fold	26	8X0242 - Nut Ny-Lock 1/2"-13NC
8	8C1940 - Spring Auto-Fold	27	8X0250 - Nut Hex 5/8"-11NC
9	8C1950 - Spring Lock Auto-Fold	28	8X0259 - Nut Jam 3/4"-10NC
10	8C2600 - Arm Auto-Fold Left	29	8X0261 - Nut Ny-Lock 3/4"-10NC
11	8C2610 - Arm Auto-Fold Right	30	8X0281 - Nut Ny-Lock 1"-8NC
12	8C2615 - Pivot Mnt Brckt Auto-Fold	31	8X0304 - Lockwasher 5/8"
13	8C2640 - Lock Assembly Auto-Fold	32	8X0318 - Washer Flat 3/4 (13/16"ID)
14	8C2660 - Bushing Auto-Fold Lock-5/16"	33	8X0330 - Washer 1.25x17/32"ID
15	8C2690 - Front Cable Attch Dual Cable	34	8X0414 - Cotter Pin 1/4x2"
16	8D0330 - U-Bolt 5/8x6-1/16x5-5/8" Sq	35	8Z0093 - "Warning" Autofold Decal
17	8D2730 - Pin Cable 1"x2-3/4"	36	8Z0232 - Auto Fold Warning Decal
18	8J6010 - 3/4"-16 ORB X #6 JIC(M) 90° ADP	37	8D0312 - Clevis
19	8D9118 - Cyl 2.5x8" w/o Depth Control	38	8J5510 - 3/4"-16 ORB X #6 JIC(M) STR
		39	8D3212 - Male Tip 3/4"-16 ORB ISO

## SECTION 8 – PARTS



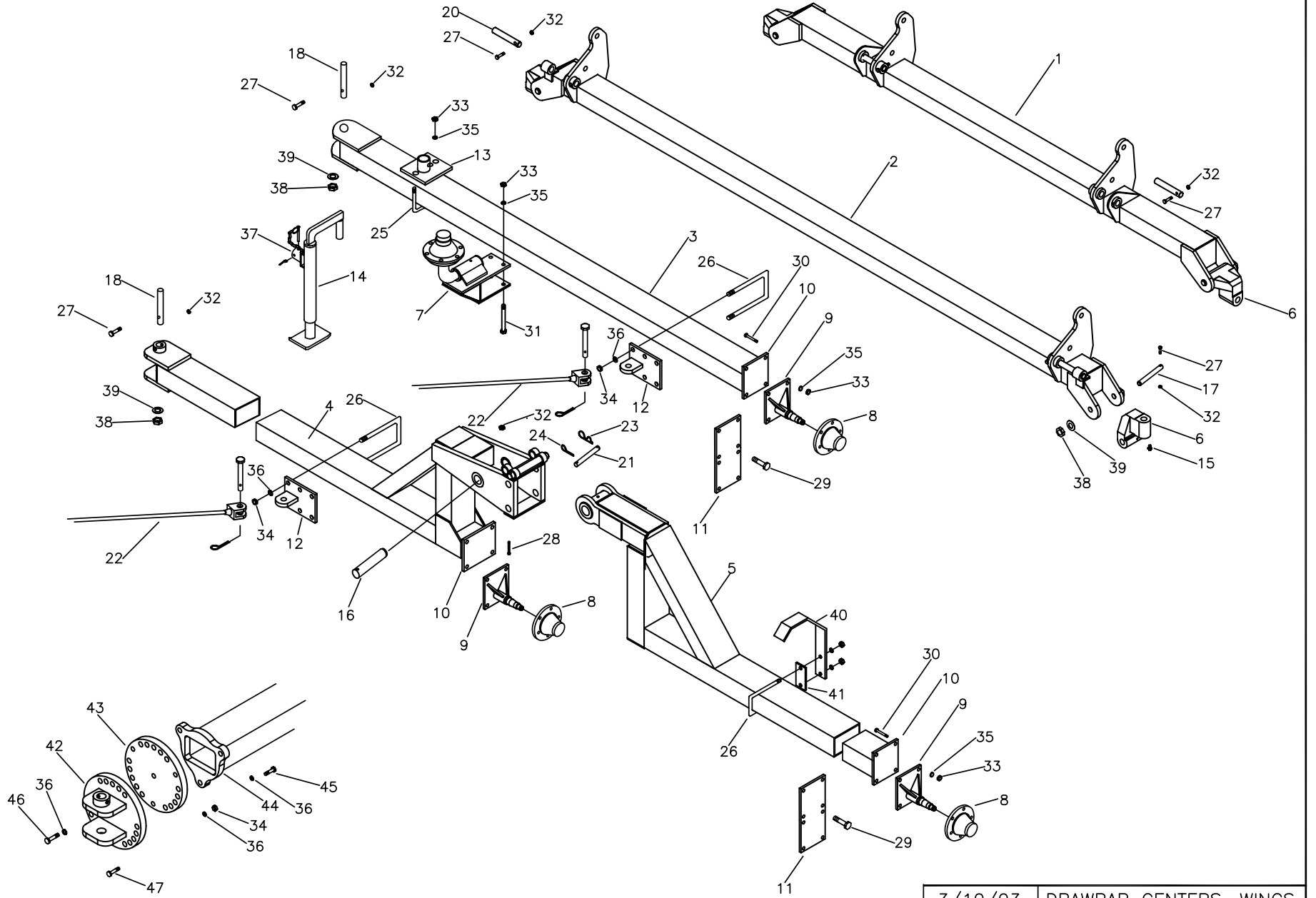
**HYDRAULIC SYSTEM — 20 FT. HITCH**

Ref.	Part No. - Pipe Thread Fittings ( -2003)	Ref.	Part No. - JIC Fittings (2003- )
1	8D3090 - 3/8"x252" Hyd Hose 3000 PSI	1	8N3252 - 3/8"x252" Hyd Hose 3000 PSI
2	8D3088 - 3/8"x144" Hyd Hose 3000 PSI	2	8N3150 - 3/8"x150" Hyd Hose 3000 PSI
3	8D3087 - 3/8"x124" Hyd Hose 3000 PSI	3	8N3124 - 3/8"x124" Hyd Hose 3000 PSI
4	8D3105 - 3/8"x35" Hyd Hose 3000 PSI	4	8N3035 - 3/8"x35" Hyd Hose 3000 PSI
5	8D3084 - 3/8"x48" Hyd Hose 3000 PSI	5	8N3048 - 3/8"x48" Hyd Hose 3000 PSI
6	8D3097 - 3/4"-16 ORBx3/8" FPX 90° ADP	6	8J6010 - 3/4"-16 ORB X #6 JIC(M) 90° ADP
7	8R6942 - 3/8" FPT Tee 3 Swivels	7	8J5300 - #6 JIC(M) 3X Tee
8	8D3098 - Hex Bushing 1/2x3/8"	8	8J5510 - 3/4"-16 ORB X #6 JIC(M) STR
9	8D3099 - 1/2" Restrictor Valve	9	8J7116 - 3/4"-16 ORB X 3/4"-16 ORB 1 Way 1/16" Restrictor
10	8D3107 - 1/2" Hex Close Nipple	10	8J5680 - 3/4"-16 ORB X 3/4"-16 ORB Union
11	8D9216 - Hyd Cylinder 3"x16"	14	8D3212 - Male Tip, 3/4"-16ORB ISO
	8D9316 - Hyd Cylinder 3 1/2"x16"	15	8R6808 - Split Steel Bushing - 5"x16" Cyl Only
	8D9416 - Hyd Cylinder 4"x16"		
	8D9516 - Hyd Cylinder 5"x16"		
12	8D9100 - Clevis Pin 1"x3 1/2"		
	8D9102 - Clevis Pin 1"x4"		
13	8D9110 - Hair Pin Clip		

**SECTION 8 – PARTS**

**20' HITCH — 6" X 4" DRAWBAR  
Specification Chart**

<b>Machine Size</b>	<b>Cable Length</b>	<b>PN-Cable Single</b>	<b>PN-Center</b>	<b>PN-Wing, Inner</b>	<b>PN-Wing, Outer</b>	<b>PN-Lift Cylinder</b>
<b>CULTI-HARROW (3/8" Tooth)</b>						
56'	324"	8D1900	8D1080	8D1092		8D9216
56' w/Auto-Fold	295"	8D1890	8D1080	8D1092		8D9216
70'	383"	8D1930	8D1080	8D1094		8D9216
70' w/Auto-Fold	341"	8D1910	8D1080	8D1094		8D9216
70' (Hinged Wing) Inside	262"	8D1870	8D1080	8D1028/Left	8D1040	8D9216
Outside	383"	8D1930		8D1029/Rght		
70' (Hinged Wing) Inside w/Auto-Fold	246" 341"	8D1860 8D1910	8D1080	8D1028/Left 8D1029/Rght	8D1040	8D9216
84' (Hinged Wing) Inside	324"	8D1900	8D1080	8D1030/Left	8D1040	8D9316
Outside	450"	8D1950		8D1031/Rght		
84' (Hinged Wing) Inside w/Auto-Fold	295" 401"	8D1890 8D1940	8D1080	8D1030/Left 8D1031/Rght	8D1040	8D9316
98' (Hinged Wing) Inside	324"	8D1900	8D1080	8D1030/Left	8D1042	8D9316
Outside	485"	8D1960		8D1031/Rght		
98' (Hinged Wing) Inside w/Auto-Fold	295" 450"	8D1890 8D1950	8D1080	8D1030/Left 8D1031/Rght	8D1042	8D9316
112' (Hinged Wing) Inside	383"	8D1930	8D1080	8D1032/Left	8D1042	8D9316
Outside	581"	8D1980		8D1033/Rght		
112' (Hinged Wing) Inside w/Auto-Fold	341" 581"	8D1910 8D1980	8D1080	8D1032/Left 8D1033/Rght	8D1042	8D9316
<b>SUPER HARROW (1/2" Tooth)</b>						
72' (Hinged Wing) Inside	262"	8D1870	8D1081	8HD2172L/Left	8HD2268	8D9416
Outside	370"	8D1920		8HD2172R/Rght		
72' (Hinged Wing) Inside w/Auto-Fold	262" 370"	8D1870 8D1920	8D1081	8HD2172L/Left 8HD2172R/Rght	8HD2268	8D9416
84' (Hinged Wing) Inside	262"	8D1870	8D1081	8HD2172L/Left	8HD2284	8D9416
Outside	450"	8D1950		8HD2172R/Rght		
84' (Hinged Wing) Inside w/Auto-Fold	262" 401"	8D1870 8D1940	8D1081	8HD2172L/Left 8HD2172R/Rght	8HD2284	8D9416
<b>SUPER WEEDER (S-Tine &amp; 3/8" Tooth)</b>						
42'	262"	8D1870	8D1080	8W1110		8D9416
42' w/Auto-Fold	262"	8D1870	8D1080	8W1110		8D9416
50'	262"	8D1870	8D1080	8W1120		8D9416
50' w/Auto-Fold	262"	8D1870	8D1080	8W1120		8D9416
56' Inside	262"	8D1870	8D1080	8W1130		8D9416
Outside	324"	8D1900				
56' w/Auto-Fold Inside	246"	8D1860	8D1080	8W1130		8D9416
Outside	295"	8D1890				
58' (Hinged Wing) Inside	246"	8D1860	8D1081	8W1140/Left	8W1039	8D9516
Outside	324"	8D1900		8W1142/Rght		
58' (Hinged Wing) Inside w/Auto-Fold	227" 295"	8D1850 8D1890	8D1081	8W1140/Left 8W1142/Rght	8W1039	8D9516
70' (Hinged Wing) Inside	262"	8D1870	8D1081	8W1150/Left	8D1040	8D9516
Outside	370"	8D1920		8W1152/Rght		
70' (Hinged Wing) Inside w/Auto-Fold	246" 341"	8D1860 8D1910	8D1081	8W1150/Left 8W1152/Rght	8D1040	8D9516

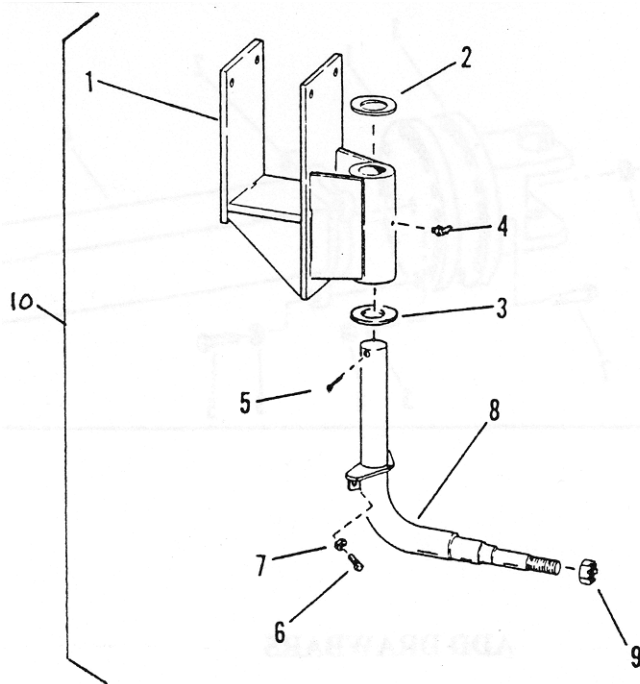


## SECTION 8 – PARTS

### DRAWBAR CENTERS AND WINGS

<b>Ref.</b>	<b>Part No.</b>	<b>Ref.</b>	<b>Part No.</b>
1-5	See Chart Page 8-5 - 16' Hitch See Chart Page 8-7 - 20' Hitch	24	8D9110 - Hair Pin Clip
6	8D0620 - Knuckle Cast w/Zerks 6x4 Drawbar	25	8D0330 - U-Bolt 5/8x6-1/16x5-5/8" Sq
7	Trans. Whl Asmbly - See Page 8-12	26	8D0340 - U-Bolt 3/4x4x7-3/4" Sq
8	Hub Asmbly - See Page 8-21	27	8X0041 - Bolt 7/16-14NCx3"
9	8D6351 - Spindle w/Plate Wing for 611 Hub 8D6356 - Spindle w/611 Hub Wing 8D3850 - Spindle w/Plate Wing for 614 Hub (opt.) 8D3855 - Spindle w/614 Hub Wing (opt.)	28	8X0044 - Bolt 7/16-14NCx3-1/2"
10	7D6156 - Flat 1/2x7 - 8" w/Holes	29	8X0086 - Bolt 5/8-11NCx1-1/4"
11	8D6342 - Drop Axle Wing 3/4x10-9" w/Hrdw	30	8X0093 - Bolt 5/8-11NCx2"
12	8D0327 - Cable Pull Bracket HD (For 4x6)	31	8X0099 - Bolt 5/8-11x6" w/2.75" Thread
13	8C2280 - Jack Attachment Bracket	32	8X0234 - Nut Ny-Lock 7/16"-14NC
14	8D8522 - 5000 LB Jack 15" Lift 5/8" Pin	33	8X0250 - Nut Hex 5/8"-11NC
15	8X0721 - Zerk 5/16-24 NF	34	8X0260 - Nut Hex 3/4"-10NC
16	8D1650 - Pin 1-3/4x9-3/4"	35	8X0304 - Lockwasher 5/8"
17	8D0750 - Pin 1-1/4CRx9-1/2" (1"-8NC) ZPL	36	8X0306 - Lockwasher 3/4"
18	8D0490 - Pin 1-1/4CRx7-1/2" (1"-8NC) ZPL	37	8D8521L - Jack Spool
19	8D0302 - Pin 1-3/16x7-1/4" 7/16" Hole	38	8X0278 - 1" NC Lock Jam Nut
20	8D1615 - Pin 1-3/16x9-1/2" 80 & After	39	8X0316 - 1" Flat Washer
21	8D1236 - Pin 1-1/4x9-1/2" (6"X4") HWNG	40	8D0112 - Cable Guide 112 Harrow
22	Cables & Pins - See Page 8-5 or 8-9	41	8D0110 - Flat 112' Cable Guide
23	8X0414 - Cotter Pin 1/4x2"	42	8W0250 - ADD Drawbar PL w/Clevis
		43	8W0115 - ADD Drawbar PL Free 1.5*
		44	8W0200 - ADD Drawbar PL Wing Tube
		45	8X0107 - Bolt 3/4-10NC x 2"
		46	8X0112 - Bolt 3/4-10NC x 2-1/4"
		47	8X0114 - Bolt 3/4-10NC x 3"

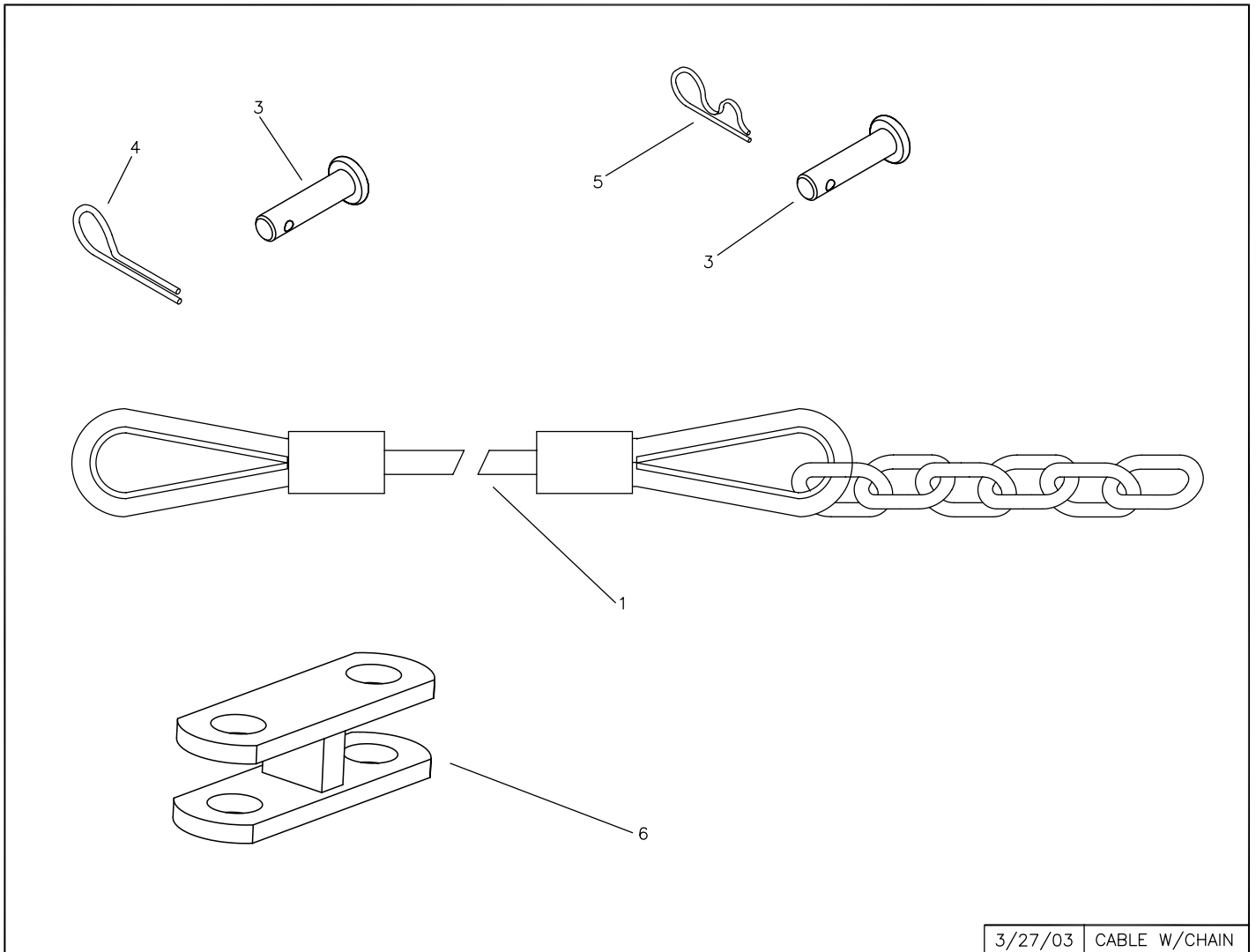
## SECTION 8 – PARTS



### TRANSPORT AXLE FOR H611 HUB (1 3/4" Dia. - Used On 1980 Models & Later)

Ref.	Part No.
1	7D1145 - Bracket 1-3/4" Trans Axle
2	8X0361 - NR Mach Bushing 1.75x10 GA Pln
3	8X0341 - Washer 2-1/2x1-3/4 Brass
4	8X0727 - Zerk 1/8" NPT 90°
5	8X0414 - Cotter Pin 1/4x2"
6	8X0614 - Set Screw Sq HD 5/8-11x2"
7	8X0251 - Nut Jam 5/8"-11NC
8	7D1107 - H611 Bent Axle w/FC L 7D1107S - H611 Bent Axle w/FC L Short 7D1108 - H611 Bent Axle w/FC R 7D1108S - H611 Bent Axle w/FC R Short
9	8D5312 - Nut Hex Slotted 1"-14
10	8D1220 - Trans Axle w/H611 Hub L 8D1221 - Trans Axle w/H611 Hub R 611 Hub Assembly - See Page 8-21

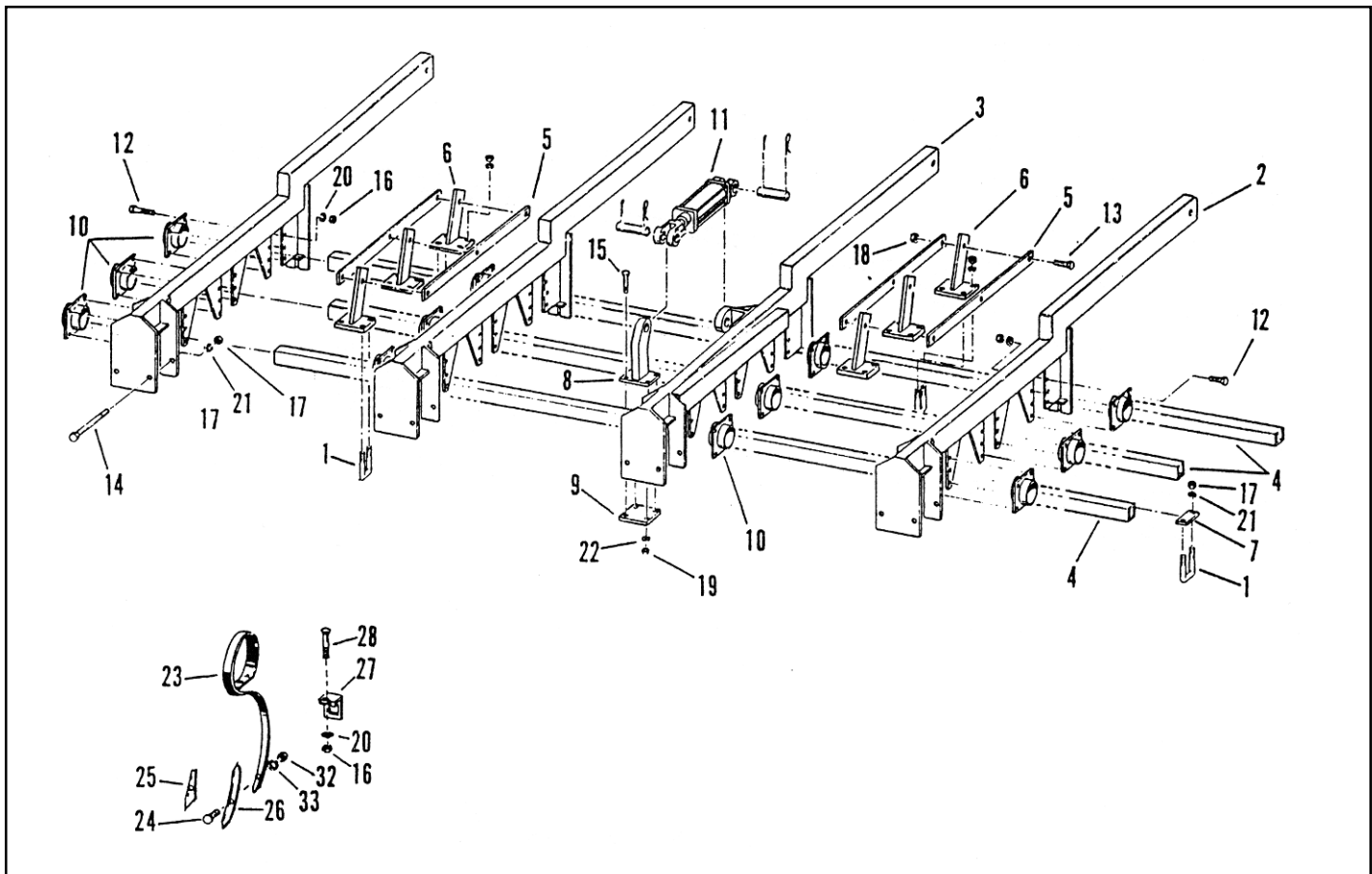
**SECTION 8 – PARTS**



**CABLES AND PINS**

<b>Ref.</b>	<b>Part No.</b>	<b>Ref.</b>	<b>Part No.</b>
1	8D1800 - Cable 1/2X149" E-E Plus Chain		8D1920 - Cable 1/2X370" E-E Plus Chain
	8D1810 - Cable 1/2X161" E-E Plus Chain		8D1930 - Cable 1/2X383" E-E Plus Chain
	8D1820 - Cable 1/2X178" E-E Plus Chain		8D1940 - Cable 1/2X401" E-E Plus Chain
	8D1830 - Cable 1/2X193" E-E Plus Chain		8D1950 - Cable 1/2X450" E-E Plus Chain
	8D1840 - Cable 1/2X214" E-E Plus Chain		8D1960 - Cable 1/2X485" E-E Plus Chain
	8D1850 - Cable 1/2X227" E-E Plus Chain		8D1970 - Cable 1/2X521" E-E Plus Chain
	8D1860 - Cable 1/2X246" E-E Plus Chain		8D1980 - Cable 1/2X581" E-E Plus Chain
	8D1870 - Cable 1/2X262" E-E Plus Chain		8D1990 - Cable 1/2X611" E-E Plus Chain
	8D1880 - Cable 1/2X281" E-E Plus Chain		8D2000 - Cable 1/2X661" E-E Plus Chain
	8D1890 - Cable 1/2X295" E-E Plus Chain	3	8D2730 - Pin Cable 1"x2-3/4"
	8D1900 - Cable 1/2X324" E-E Plus Chain	4	8X0414 - Cotter Pin 1/4x2"
	8D1910 - Cable 1/2X341" E-E Plus Chain	5	8D9110 - Hair Pin Clip
		6	8D0312 - Cable Pull Clevis

## SECTION 8 – PARTS



### SUPERWEEDER SECTIONS (3 Rank)

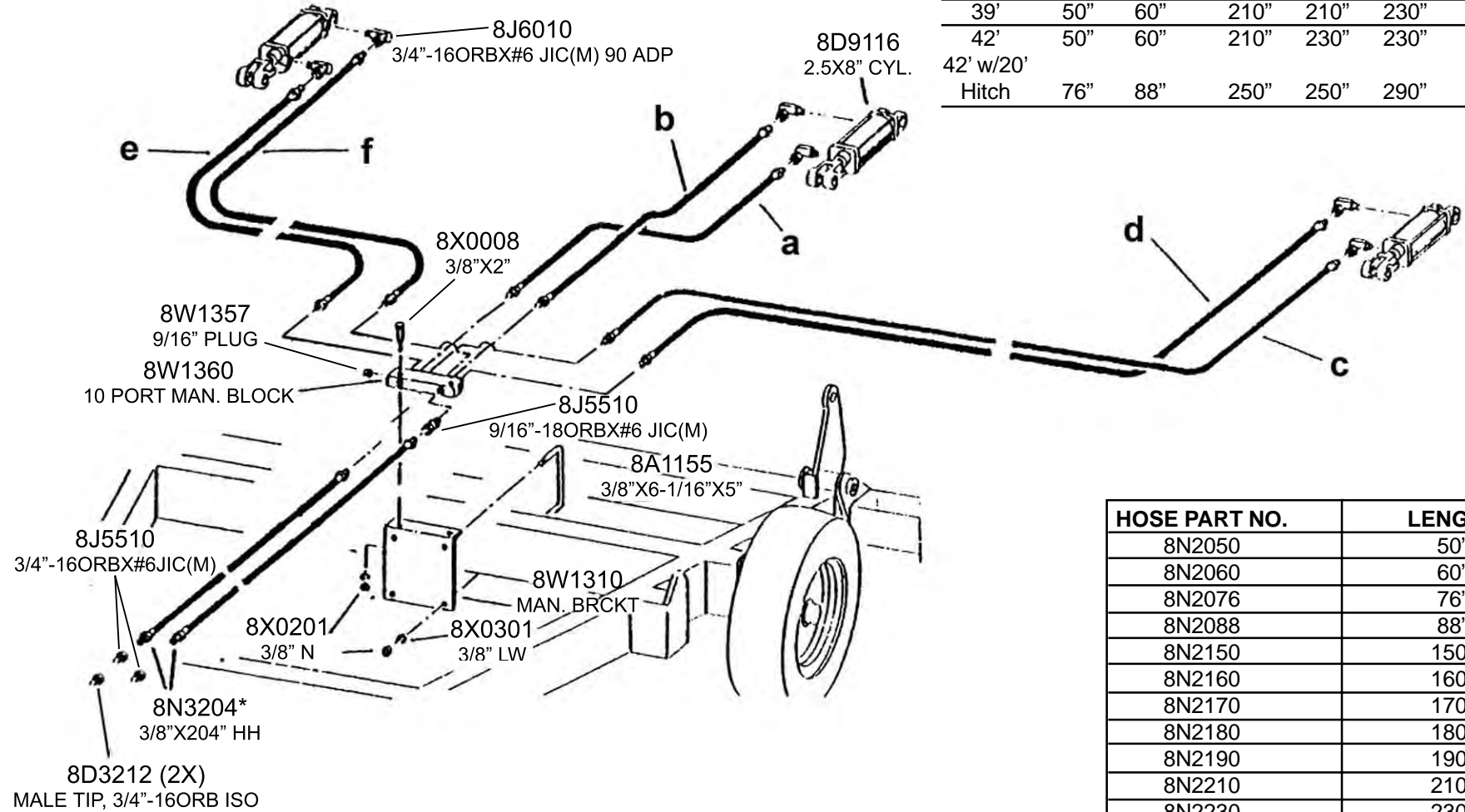
<b>Ref.</b>	<b>Part No.</b>		
1	8W1200 - U-Bolt 1/2x2x3-1/4" Sq	12	8X0031 - Bolt 7/16-14NCx1"
2	8W1210 - Lift Arm	13	8X0067 - Bolt 1/2-13NCx2-1/4"
3	8W1220 - Lift Arm L w/Cyl Attach	14	8X0077 - Bolt 1/2-13NCx7-1/2"
	8W1221 - Lift Arm R w/Cyl Attach (Shown)	15	8X0096 - Bolt 5/8-11NCx4"
4	8W1222 - Tube Sq 2x2 - 64" 3T	16	8X0232 - Nut Hex 7/16"-14NC
	8W1224 - Tube Sq 2x2 - 68" 3T	17	8X0240 - Nut Hex 1/2"-13NC
	8W1226 - Tube Sq 2x2 - 80" 3T	18	8X0242 - Nut Ny-Lock 1/2"-13NC
	8W1230 - Tube Sq 2x2 - 110" 3T	19	8X0250 - Nut Hex 5/8"-11NC
	8W1230H - Tube Sq 2x2 - 110" HD	20	8X0302 - Lockwasher 7/16"
	8W1232 - Tube Sq 2x2 - 115" 3T	21	8X0303 - Lockwasher 1/2"
	8W1235 - Tube Sq 2x2 - 126" 3T	22	8X0304 - Lockwasher 5/8"
	8W1240 - Tube Sq 2x2 - 146" 3T	23	8W1011 - S-Tine Standard
	8W1245 - Tube Sq 2x2 - 164" 3T		8W1012 - S-Tine High Clearance
	8W1245H - Tube Sq 2x2-162-1/2" 1/4" Wall	24	8W1006 - Plowbolt 3/8-16x1.5"
5	8W1260 - Flat 3/8x1.5 - 34"	25	8W1020 - 1/4x2.75" S-Tine Shovel
6	8W1270 - Lever For 2" Sq Tube/S-Tine		8W1021 - 1/4x4" S-Tine Shovel
7	8W1275 - Bar Clamp Flat 3/8x1.5 - 4"	26	8W1018 - 1.5" Reversible Pt S-Tine
8	8W1280 - Cyl Atch Lever Rod End	27	8W1015 - Std. Clamp For S-Tine (Silver)
9	8W1285 - Bottom Plate 1/2x4 - 4"		8W1016 - Hi Clearance (Gold)
10	8W1300 - Bushing For 2" Sq Tube/S-Tine	28	8X0048 - Crg 7/16-14NCx3-1/2"
11	8D9116 - Cyl 2.5x8" SP w/Depth Control	32	8W1007 - Heavy Hex Nut 3/8-16
		33	8X0320 - 3/8" Flat Washer



# SUPERWEEDER HYDRAULIC SYSTEM (25'-42')

25', 29', 33', 35', 39' and 42' Machines

MACHINE SIZE	HOSE LENGTHS					
	a	b	c	d	e	f
25'	50"	60"	150"	160"	170"	180"
29'	50"	60"	170"	180"	190"	210"
33'	50"	60"	190"	210"	210"	230"
35'	50"	60"	190"	210"	230"	230"
39'	50"	60"	210"	210"	230"	230"
42'	50"	60"	210"	230"	230"	250"
42' w/20' Hitch	76"	88"	250"	250"	290"	290"



HOSE PART NO.	LENGTH
8N2050	50"
8N2060	60"
8N2076	76"
8N2088	88"
8N2150	150"
8N2160	160"
8N2170	170"
8N2180	180"
8N2190	190"
8N2210	210"
8N2230	230"
8N2250	250"
8N2290	290"

\*20' Hitch Superweeders use 8N3252 (3/8"x252" Hyd. Hose)

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SECTION 8 - PARTS

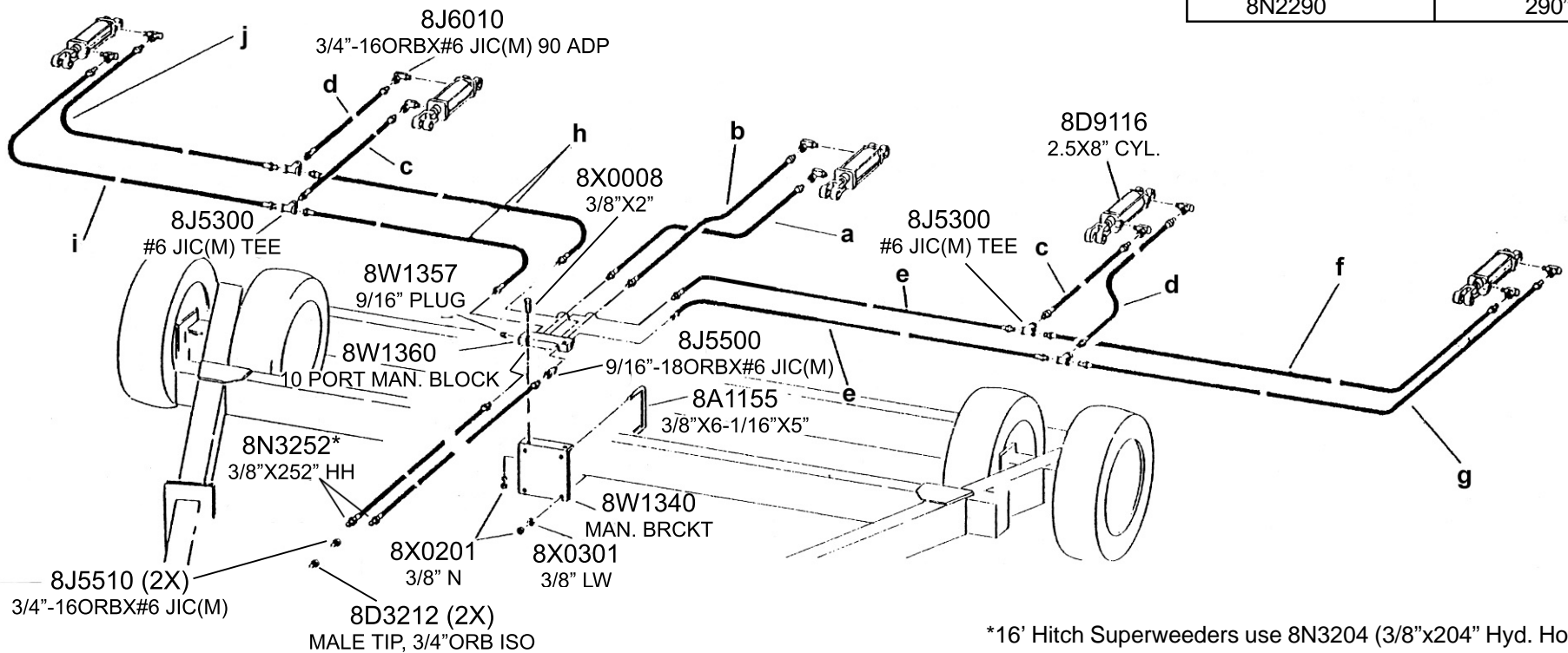
# SUPERWEEDER HYDRAULIC SYSTEM (47'-70')

47', 50', 55', 56', 58' and 70' Machines  
HOSE LENGTHS

MACHINE SIZE	a	b	c	d	e	f	g	h	i	j
47' w/16' Hitch	50"	60"	24"	36"	180"	88"	110"	210"	88"	110"
50' w/16' Hitch	50"	60"	24"	36"	210"	88"	110"	230"	88"	110"
50' w/20' Hitch	76"	88"	24"	36"	210"	88"	110"	250"	88"	110"
55' w/16' Hitch	50"	60"	24"	36"	190"	180"	190"	210"	170"	180"
56' w/16' Hitch	50"	60"	24"	36"	230"	110"	120"	250"	110"	120"
56' w/20' Hitch	76"	88"	24"	36"	230"	110"	120"	290"	110"	120"
58' w/20' Hitch	76"	88"	24"	36"	210"	180"	190"	290"	170"	180"
70' w/20' Hitch	76"	88"	24"	36"	230"	230"	230"	290"	190"	210"

HOSE PART NO.	LENGTH
8N2024	24"
8N2036	36"
8N2050	50"
8N2060	60"
8N2076	76"
8N2088	88"
8N2110	110"
8N2120	120"
8N2170	170"
8N2180	180"
8N2190	190"
8N2210	210"
8N2230	230"
8N2250	250"
8N2290	290"

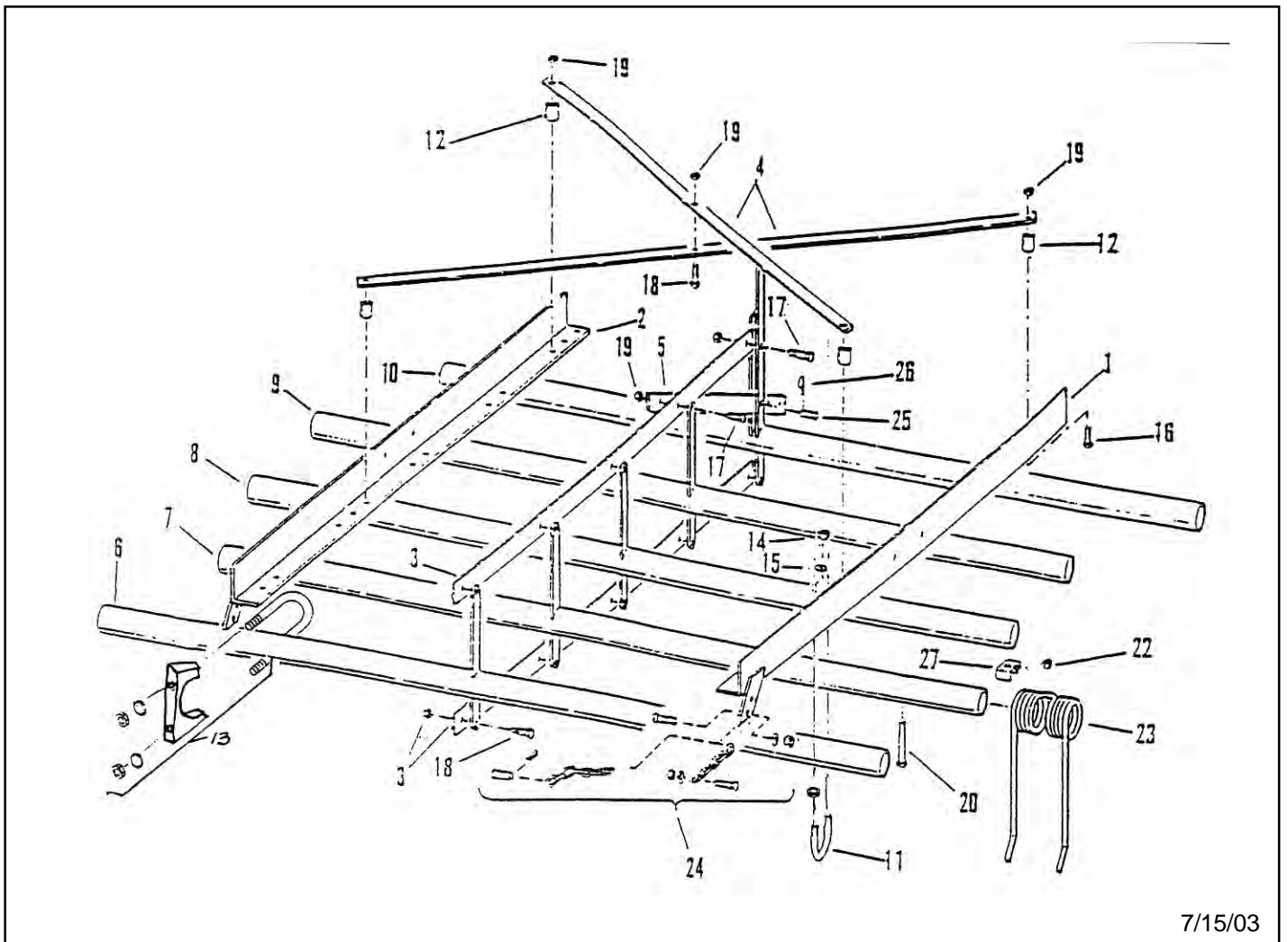
8-16



\*16' Hitch Superweeders use 8N3204 (3/8"x204" Hyd. Hose)

SECTION 8 - PARTS

## SECTION 8 – PARTS



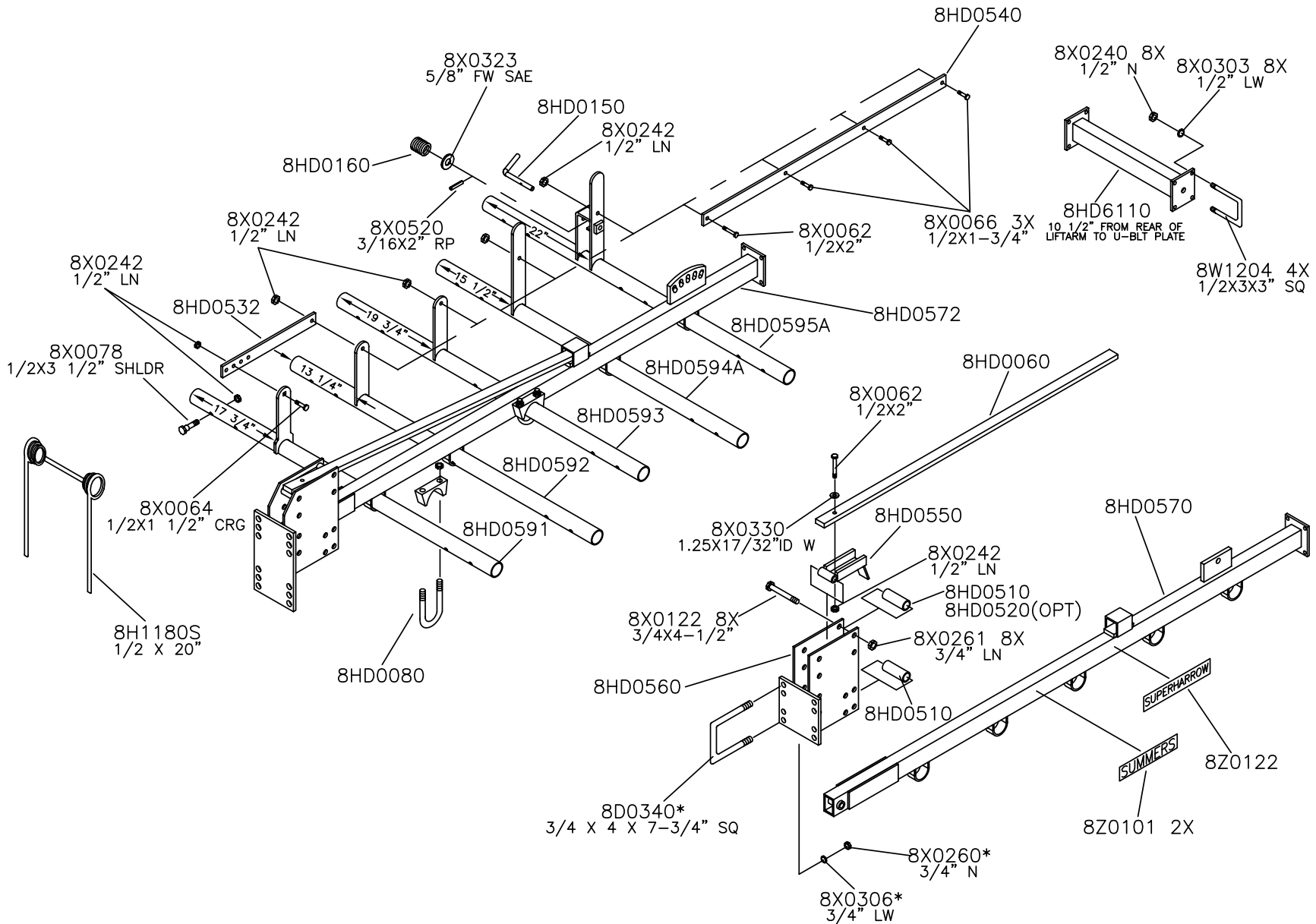
7/15/03

### 5-1/2 FOOT HARROW SECTION - 5 BAR (8H0805)

Ref.	Part No.	Ref.	Part No.
1	8H0410 - Side Angle Left 5 Bar	16	8X0036 - Bolt 7/16-14NCx2"
2	8H0411 - Side Angle Right 5 Bar	17	8X0034 - Bolt 7/16x1.75 w/1" Thread
3	8H0370 - Flat 5/16x1.5 - 57"	18	8X0033 - Bolt 7/16x1.25 5/8" Thread
4	8H0235 - Flat 5/16x1.5 - 49.5"	19	8X0234 - Nut Ny-Lock 7/16"-14NC
5	8H0260 - Flat 5/16x1.5 -18.5" Adj Culti	20	8X0069 - Bolt 1/2-13NCx3"
6	8H0631 - 1st Pipe w/Lever 5.5' 5 Bar	22	8X0242 - Nut Ny-Lock 1/2"-13NC
7	8H0632 - 2nd Pipe w/Lever 5.5' 5 Bar	23	8H1110 - Harrow Tooth 3/8x14"
8	8H0633 - 3rd Pipe w/Lever 5.5' 5 Bar		8H1110S - Harrow Tooth 3/8x14" Straight
9	8H0634 - 4th Pipe w/Lever 5.5' 5 Bar	24	Lift & Pull Chain Asmbly - See Page 8-18
10	8H0635 - Rear Pipe w/Lever 5.5' 5 Bar	25	8X0420 - Clevis Pin 7/16x1-3/4"
11	8H0350 - U-Bolt 1/2x2x3" Rd	26	8X0400 - Hair Pin Clip 1/8x1-15/16"
12	8H0390 - Pipe Std 1/2" - 1"	27	8X0333 - Washer Harrow Tooth
13	8S0080 - Pipe Clamp 1.90" ID	28	8Z0070 - Decal SMC Section
14	8X0240 - Nut Hex 1/2"-13NC		
15	8X0303 - Lockwasher 1/2"		



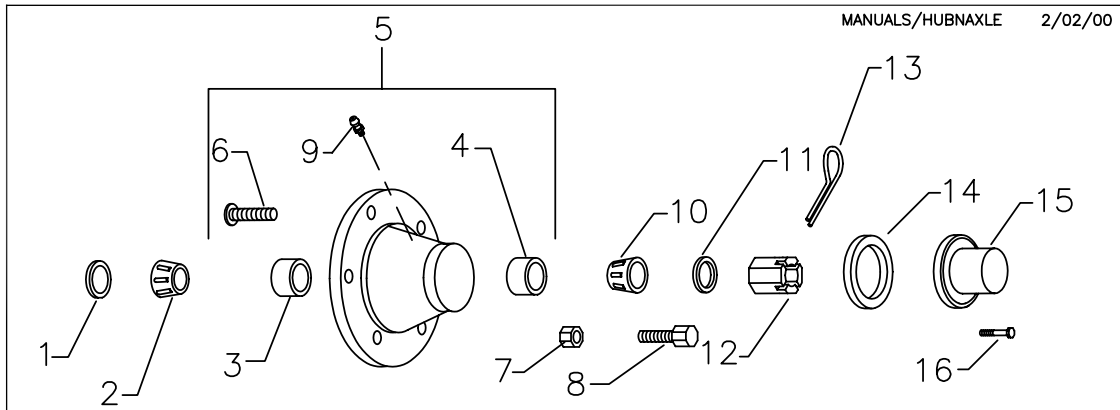
# 5-BAR 6' SUPERHARROW SECTION (6 X 4)



8-19

\* MOUNTING HARDWARE NOT INCLUDED WITH SECTION





## HUB AND AXLE COMPONENTS

### Assembly Notes:

A. Before towing machine, pack wheel bearings and fill 1/2 of hub cavity with high quality bearing grease.

B. Tighten axle nut to 50 ft.-lbs, loosen nut until first slot is aligned with hole in axle, install cotter pin and bend to retain.

Legend:

SMC	Part Number
INDUSTRY	Part Number or Size

HUB	1. SEAL	2. INNER BEARING	3. INNER RACE	4. OUTER RACE	5. HUB ASSY	6. WHEEL STUD	7. WHEEL NUT	8. WHEEL BOLT	9. HUB ZERK	10. OUTER BEARING	11. AXLE WASHER	12. AXLE NUT	13. COTTER PIN	14. HUB CAP GASKET	15. HUB CAP	16. HUB CAP BOLT
HD211	8G8220	8G8217	8G8230	8G8230	8G8211	N/A	N/A	8D5114	N/A	8G8217	8D5219	8D5212	8X0410	N/A	8G8213	N/A
	SE10	LM44649	LM44610	LM44610	HD211			WB10		LM44649	7/8" I.D.	7/8"-14	3/16 X 1"		DC11	
H413	8D5120	8D5117	8D5536	8D5330	M65278050	N/A	N/A	8D5114	8X0708	8D5118	8X0317	8D5112	8X0410	N/A	M6527846	N/A
	SE11	LM67048	LM67010	LM11910	H413			WB10	1/4-28NF	LM11910	3/4" I.D.	3/4"-16	3/16x1"		DC24	
H511	8D5120	8D5117	8D5336	8D5330	8D5111	N/A	N/A	8D5114	8X0721	8D5118	N/A	8D5112	8X0410	N/A	8D5113	N/A
	SE11	LM67048	LM67010	LM11910	H511			WB10	5/16-24NF	LM11949		3/4"-16	3/16x1"		DC12	
H517	8D5220	8D5217	8D5332	8D5336	8D5211	8D5215	N/A	N/A	8X0721	8D5117	8D5219	8D5212	8X0410	N/A	8D5213	N/A
	SE13-OLD	LM48548	LM48510	LM67010	H517	WB16				5/16-24NF	LM67048	7/8" I.D.	7/8"-14		3/16x1"	
H611	8D5221	8D5317	8D5334	8D5336	8D5311	N/A	N/A	8D5114	8X0708	8D5117	8D5319	8D5312	8X0415	N/A	8D5213	N/A
	SE13	LM29749	LM29710	LM67010	H611			WB10	1/4-28NF	LM67048	1" I.D.	1"-14	3/16x1-3/4"		DC13	
H614	8R6922**	8R6917	8R6925	8D5332	8R6911	N/A	N/A	8R6914	8X0708	8D5217	8D5319	8D5312	8X0415	N/A	8R6913	N/A
	SE57	LM603049	LM603011	LM48510	H614			WB12	1/4-28NF	LM48548	1" I.D.	1"-14	3/16x1-3/4"		DC15	
HD812	8K7120	8K7117	8K7130	8K7132	8K7111	8K7115-9/16"	8K7116-9/16"	N/A	8X0708	8K7118	8D5319	8D5312	8X0415	N/A	8K7113	N/A
						8K7122-5/8"	8K7123-5/8"									
	WB41	WB40														
	WB46	WB18														
SE17	LM3780	LM3720	LM2720	HD812	WB41	WB40	WB46	WB18	1/4-28NF	LM2790	1" I.D.	1"-14	3/16x1-3/4"	DC17		
H1010	8K7220	8K7217	8K7230	8K7232	8K7211	8K7215	8K7216	N/A	8X0708	8K7218	8X0328	8D5314	8X0414	8K7212	8K7213	8K7214
	SE48	39585	39520	453A	H1010	WB51	WB52		1/4-28NF	460	1.312 I.D.	1-1/4"-12	1/4X2"	SE49	DC27	WB53

\* Pre 1997

\*\* 8R6921 Pre 2000, Seal Only 8R6923





Stock code	Description	Stock code	Description
7C4020	SWIVEL PULL FRAME	8C2360	WING TUBE AXLE W/HUB 611
7C4040	4' SHAFT 2" HR 1045 59"	8C2420	TRANSPORT AXLE 812
7C4050	5' SHAFT 2" HR 1045 71"	8C2430	TRANSPORT AXLE W/HUB 812
7C4055	5.5' SHAFT 2" HR 1045 77"	8C2450	PIVOT W/ PLATE TRANSPORT AXLE HP
7C4060	6' SHAFT 2" HR 1045 83"	8C2500	CABLE ATTACH 22' HITCH U-BOLT 96-
7C4070	7' SHAFT 2" HR 1045 95"	8C2600	ARM AUTO-FOLD LEFT
7D1107	H611 BENT AXLE W/FC L	8C2610	ARM AUTO-FOLD RIGHT
7D1107S	H611 BENT AXLE W/FC L SHORT	8C2615	PIVOT MNT BRACKET A-F 20' HITCH
7D1108	H611 BENT AXLE W/FC R	8C2620	PIVOT MNT BRACKET A-F 22' HITCH
7D1108S	H611 BENT AXLE W/FC R SHORT	8C2640	LOCK ASSEMBLY AUTO-FOLD 20' HITCH
7D1145	BRACKET 1-3/4" TRANS AXLE	8C2650	LOCK ASSEMBLY AUTO-FOLD 22' HITCH
8A4048	NYLON TIE .18 X 11"	8C2660	BUSHING AUTO-FOLD LOCK - 5/16"
8A4050	NYLON TIE .30 X 8-7/8"	8C2680	FRONT CABLE ATTACH SINGLE CABLE
8A4052	NYLON TIE .30 X 15-1/4"	8C2690	FRONT CABLE ATTACH DUAL CABLE
8C0050	CLEVIS CABLE PULL 3/4" W/.875" PIN	8C3100	WING TUBE 10' (8" SQ) HP
8C0150	SNAP RING .05" FOR 1-3/16" DIA	8C3150	WING TUBE 15' (8" SQ) HP
8C0200	COLLAR RETAINING 1-3/16"	8C3150H	WINGTUBE 15' 5/16 FOR 40' ST2
8C0202	BEARING ONLY P206	8C3200	WING TUBE 20' (8" SQ) HP
8C0204	PILLOW BLOCK ONLY P206	8C3250	WING TUBE 25' (8" SQ) HP
8C0206	PILLOW BLOCK BEARING 1-3/16"	8C3300	WING TUBE 28'11" (8" SQ) HP
8C0250	NEOPRENE 1-3/8 X 1/2 ID- 2" 96-	8C3350	WING TUBE 35' (8" SQ) HP
8C0270	SPLIT STEEL BUSH 1.375" OD X 1" ID X 1"	8C3500	WING TUBE 15'PART 1 LEFT HW
8C0432	HYD CYLINDER 4" X 32"	8C3510	WING TUBE 15'PART 1 RIGHT HW
8C0450	ROD FOR PRINCE 4 X 32" CYL	8C3550	WING TUBE 10' END HW
8C0532	HYD CYLINDER 5" X 32"	8C3600	WING TUBE 15' END HW
8C0535	SEAL KIT 5 X 32" RAM 3000PSI	8C4000	LIFT ARM SHORT 1991 & LATER HP
8C0650	MANIFOLD BLOCK ALUMINUM 5 PORT	8C4010	LIFT ARM LONG 1991 & LATER HP
8C0800	AXLE HD812 2.5" DIA X 13.75"	8C4020	PIVOT ARM SHORT STANDARD HP
8C1410	PIN 1" X 3-7/8" PD WING PIVOT	8C4040	PIVOT ARM LONG STANDARD HP
8C1420	PIN 1" X 5-7/8" HP PK ATTACH	8C4070	PULL FRAME ADJUSTABLE (3" SQ) HP
8C1430	PIN 1" X 11-3/4" PK DRAWBAR	8C4079	ADJUSTMENT ARM COIL FORMED
8C1435	PIN 1" X 12-3/4" PK DRAWBAR	8C4080	ARM ADJUSTABLE SIDE-COIL (WELDED)
8C1452	PIN 1" X 6.5" CYL DOUBLE	8C4082	ARM ADJUSTABLE SIDE-COIL (FORMED)
8C1470	PIN 1-1/4" X 14" AF ARM PIVOT	8C4090	COUNTER BALANCE SH+/COIL 98-
8C1480	PIN 1-1/2" X 11" KNUCKLE PIVOT	8C4100	BRACE ANGLE 2 X 2 - 33-1/4"
8C1700	U-BOLT 3/8" X 2 X 4-7/8" SQ	8C4120	BRACE ANGLE 2 X 2 - 63.25" END
8C1710	U-BOLT 3/8" X 8 X 9" SQ	8C4410	4' X 1-3/4" COIL W/SHAFT LEFT
8C1720	U-BOLT 1/2 X 2-5/8 X 3-3/4 SQ	8C4415	4' X 1-3/4" COIL W/SHAFT RIGHT
8C1740	U-BOLT 1/2 X 4-1/4 X 7-1/4" RD	8C4510	5' X 1-3/4" COIL W/SHAFT LEFT
8C1750	U-BOLT 3/4 X 3 X 5-1/2" SQ	8C4515	5' X 1-3/4" COIL W/SHAFT RIGHT
8C1755	U-BOLT 3/4 X 6 X 6" SQ	8C4560	5.5'X 1-3/4" COIL W/SHAFT LEFT
8C1760	U-BOLT 3/4 X 8 X 6" SQ	8C4565	5.5'X 1-3/4" COIL W/SHAFT RIGHT
8C1780	U-BOLT 7/8 X 8 X 10" SQ	8C4610	6' X 1-3/4" COIL W/SHAFT LEFT
8C1800	KNUCKLE 88-1/4 DEG. OFFSET LEFT	8C4615	6' X 1-3/4" COIL W/SHAFT RIGHT
8C1800D	KNUCKLE 86-1/2 DEG. OFFSET LEFT	8C4710	7' X 1-3/4" COIL W/SHAFT LEFT
8C1802	KNUCKLE 88-1/4 DEG. OFFSET RIGHT	8C4715	7' X 1-3/4" COIL W/SHAFT RIGHT
8C1802D	KNUCKLE 86-1/2 DEG. OFFSET RIGHT	8C5050	HITCH CHANNEL (7D6120) W/HOLE PD
8C1805	KNUCKLE 90 DEG. OFFSET MACHINED	8C5070	HITCH EXTENSION 5' PD
8C1900	CLAMP 1/2" WIRE ROPE	8C5080	HITCH TUBE LEFT 20' PD
8C1920	SPRING PAINTED (CABLE) AUTO-FOLD	8C5084	HITCH TUBE LEFT 24' 52-60 PD
8C1940	SPRING PAINTED AUTO-FOLD	8C5090	HITCH TUBE RIGHT 20' PD
8C1950	SPRING PAINTED LOCK AUTO-FOLD	8C5094	HITCH TUBE RIGHT 24' 52-60 PD
8C1970	SPRING PAINTED PCKRDBR & ROCK	8C5100	HITCH EXTENSION ANGLED- 9' PD
8C2200	22' HITCH 90-	8C5110	HITCH STIFFENER "T" 52-60 PD
8C2210	CENTER HARROW PACKER 8" X 8"-10'	8C5120	BRACE FRONT CENTER 46'-50' PD
8C2246	TRANSPORT LOCK 1/2 X 3 FOR 32" CYL	8C5130	BRACE ANGLE LEFT 46'-50' PD
8C2260	BRACKET CABLE PULL (8" SQ WING)	8C5132	BRACE ANGLE LEFT 52'-60' PD
8C2270	CABLE GUIDE BRACKET SH+ 02-	8C5135	BRACE ANGLE RIGHT 46'-50' PD
8C2280	JACK ATTACH BRACKET - WING 97-	8C5137	BRACE ANGLE RIGHT 52'-60' PD
8C2300	WALKING AXLE 614	8C5140	STOP WING (U-BOLT) 5-SECT PD
8C2300H	OSCILLATING AXLE HDUTY 614 00-	8C5150	CENTER FRAME 18'-50' PD
8C2310	WALKING AXLE W/HUBS 614	8C5152	CENTER FRAME 52'-60' PD
8C2310H	OSC AXLE W/HUBS HDUTY 614 00-	8C5160	BRACE ANGLE 2.5 X 2.5 X 1/2- 48" PD
8C2316	SPACER FLAT 1/2 X 2-1/2- 8-7/8"	8C5170	CROSS BRACE FRONT GAUGE WHEEL
8C2318	SPACER BRACKET HITCH AXLE ATTACH	8C5180	CROSS BRACE MIDDLE GAUGE WHEEL
8C2320	MOUNTING BRACKET WALKING AXLE	8C5190	CROSS BRACE W/TRANSPRT STOP PD
8C2322	MNTG BRCKT WLKNG AXL-HYD D ADJ	8C5192	CROSS BRACE W/DBL CYL ATTCH PD
8C2322H	MNTG BRCKT OSC AXLE HDUTY 00-	8C5200	WING PART 1 - REAR 26'-32' PD
8C2325	PIPE SPACER 1/2" SCH 80- 7" 00-	8C5210	WING PART 1 -FRONT 26'-32' PD
8C2330	SINGLE AXLE HITCH 614	8C5250	WING PART 1 - REAR 34'-38' PD
8C2340	SINGLE AXLE HITCH W/HUB 614	8C5260	WING PART 1 -FRONT 34'-42' PD
8C2350	WING TUBE AXLE W/PLATE 611	8C5270	WING PART 1 -FRONT 44' PD

Stock code	Description
8C5280	WING PART 1 - REAR 40'-44' PD
8C5300	WING PART 1 - FRONT 46'-50' PD
8C5310	WING PART 1 - REAR 46'-50' PD
8C5370	WING PART 1- FRONT/REAR 52-60' PD
8C5402	WING FRAME ASSY PART 2 46-56' PD
8C5412	WING FRAME ASSY PART 2 58-60' PD
8C5500	AXLE ASSY WING 611 PD
8C5510	AXLE ASSY WING W/HUB 611 PD
8C5600	LIFT ARM W/CYL ATTCH CENTR PD
8C5650	TRANSPORT STOP 21" PD
8C5805	PULL FRAME PACKER 4' & 5' COIL 00-
8C5807	PULL FRAME PACKER 6' & 7' COIL 00-
8C5820	FLAT SPRNG MNT 1/2 X 5" 00-
8C5910	LINK STRAIGHT 3/4" 180° FOLD
8C5920	LINK CURVED 5/8" 180° FOLD
8C5980	SPACER W/WASHER 1" ID-180° FOLD PD
8C6000	SPACER WING 1-5/8" OD- 1-1/8" PD
8C6010	WASHER 3-1/16 OD X 1.03 ID X 1/4
8C6012	WASHER 3-1/16 OD X 1.28 ID X 1/4
8C6015	WASHER 3-1/16 OD X 1.53 ID X 1/4
8C6110	PIPE TRANSPORT 1/2 X - 4.12" 26-44 PD
8C6120	FLAT TRANSPORT 3/8 X 4 - 30" 26-44 PD
8D0110	FLAT 112' CABLE GUIDE 3/8 X 3-6-1/4"
8D0112	CABLE GUIDE (1/2 X 3 - 30.5) 112 HRRW
8D0200	BUSHING 1.25 OD X .760 ID- 3"
8D0300	PIN 1-3/16 X 7-1/4" PRE80
8D0302	PIN 1-3/16 X 7-1/4" 7/16" HOLE
8D0310	CABLE PULL CLEVIS (7/8" X 9NC)
8D0312	CLEVIS FOR EYE-EYE CABLE 99-
8D0327	CABLE PULL BRACKET HD (FOR 4X6)
8D0330	U-BOLT 5/8 X 6-1/16 X 5-5/8" SQ
8D0340	U-BOLT 3/4 X 4 X 7-3/4" SQ
8D0350	U-BOLT 3/4 X 4 X 10 SQ
8D0490	PIN1-1/4 CR X 7-1/2" (1"-8NC) ZPL
8D0520	FLAT 3/8 X 2.5 - 7.5" WT CAP
8D0620	KNUCKLE CAST W/ZERKS 6X4 DRWBR
8D0675	LIFT ARM HARROW RECTANGULAR
8D0677	LIFT ARM HARROW RECT 72" LONG
8D0702	WEAR BUSHING 3.12 X 2 ID - 1.75" PRE 93
8D0704	WEAR BUSHING 3.12 X 2.3 - 1.75" PRE 93
8D0706	WEAR BUSHNG 3.5 X 2.25 - 1.75" 93-97
8D0720	HITCH PIECE CAST CAT.3 CTD PNTD
8D0722	PERFECT HITCH BACKSTOP W/HDWE
8D0724	CLEVIS OPT. HITCH CAT.3 CTD 99-
8D0730	URETHANE CUSHION FOR PERFECT HITCH
8D0750	PIN 1-1/4CR X 9-1/2" (1"-8NC) ZPL
8D1010	CABLE ATTACH 20' HITCH U-BOLT
8D1013A	20' HITCH FRONT AUTO-FOLD
8D1014	20' HITCH REAR
8D1022	15'8" WT FOR 66 & 77' L NEW
8D1024	15'8" WT FOR 66 & 77' R NEW
8D1028	13'4" WT FOR 70' L NEW
8D1029	13'4" WT FOR 70' R NEW
8D1030	20'0" WT FOR 84 & 98' L NEW
8D1031	20'0" WT FOR 84 & 98' R NEW
8D1032	27'3" WT FOR 112' L NEW
8D1033	27'3" WT FOR 112' R NEW
8D1036	13'11" WT FOR 77 HRW 78+86 XHD END
8D1040	12'2" WT FOR 70 & 84' END NEW
8D1042	18'9" WT FOR 98 & 112' END NEW
8D1062	7' CENTER/16' HITCH
8D1065	11' CENTER/16' HITCH
8D1075	14' CENTER/16' HITCH
8D1080	14' CENTER/20' HITCH
8D1081	14' CENTER/20' HITCH HD
8D1090	12'9" WT FOR 39 & 42'
8D1091	15'2" WT FOR 44'
8D1092	19'8" WT FOR 53 & 56'
8D1093	23'7" WT FOR 61'
8D1094	26'7" WT FOR 67 & 70'
8D1110	AXLE H511 1-5/8 X 9.5" (WAS 11")
8D1111	WT AXLE W/PLATE H511 HUB

Stock code	Description
8D1117	WT AXLE W/PLATE H517 HUB
8D1118	WT AXLE W/PLATE H611 (WELD-ON)
8D1155	AXLE H611 STR 1-7/8 X 7.5"
8D1160	AXLE H611 STR 1-7/8 X 9-1/4"
8D1165	AXLE H611 BENT 1-3/4"
8D1165S	AXLE H611 BENT 1-3/4" SHORT
8D1170	AXLE H517 STR 1-3/4 X 9"
8D1220	TRANS AXLE W/H611 HUB L
8D1220S	TRANS AXLE W/H611 HUB L SHORT
8D1221	TRANS AXLE W/H611 HUB R
8D1221S	TRANS AXLE W/H611 HUB R SHORT
8D1234	PIN 1 X 9-1/2" (6"X4") HWNG
8D1236	PIN 1-1/4" X 9-1/2" HWNG 01-
8D1240	PIN 1 X 11-1/2" (8"SQ) HWNG
8D1242	PIN 1-1/4" X 11-1/2" HWNG 01-
8D1610	PIN 1-1/4 X 9-1/4" PRE 82 HWNG
8D1611	PIN 1-3/16 X 9-1/2" BEFORE 80
8D1615	PIN 1-3/16 X 9-1/2" 80 & AFTER
8D1650	PIN 1-3/4 X 9-3/4" HWNG
8D1660	PIN 1-3/4 X 11-3/4" HARDENED
8D1710	EYE BOLT SHORT 7/16" DIA
8D1720	EYE BOLT LONG 1/2" DIA
8D1730	SPRING 3/8" HARROW SECT PRESS OPT
8D1740	1/2" STRG PIPE W/WASHER
8D1750	PIPE STRONG 1/2" X 1-1/4"
8D1751	PIPE STRONG 1/2" X 2-1/8"
8D1760	CABLE 3/8 X 312 E-E SH+ REAR OPT
8D1770	CABLE 1/2 X 30.5" EYE-EYE 99-
8D1800	CABLE 1/2 X 149" E-E PLUS CHAIN
8D1810	CABLE 1/2 X 161" E-E PLUS CHAIN
8D1820	CABLE 1/2 X 178" E-E PLUS CHAIN
8D1830	CABLE 1/2 X 193" E-E PLUS CHAIN
8D1840	CABLE 1/2 X 214" E-E PLUS CHAIN
8D1850	CABLE 1/2 X 227" E-E PLUS CHAIN
8D1860	CABLE 1/2 X 246" E-E PLUS CHAIN
8D1870	CABLE 1/2 X 262" E-E PLUS CHAIN
8D1880	CABLE 1/2 X 281" E-E PLUS CHAIN
8D1890	CABLE 1/2 X 295" E-E PLUS CHAIN
8D1900	CABLE 1/2 X 324" E-E PLUS CHAIN
8D1910	CABLE 1/2 X 341" E-E PLUS CHAIN
8D1920	CABLE 1/2 X 370" E-E PLUS CHAIN
8D1930	CABLE 1/2 X 383" E-E PLUS CHAIN
8D1940	CABLE 1/2 X 401" E-E PLUS CHAIN
8D1950	CABLE 1/2 X 450" E-E PLUS CHAIN
8D1960	CABLE 1/2 X 485" E-E PLUS CHAIN
8D1970	CABLE 1/2 X 521" E-E PLUS CHAIN
8D1980	CABLE 1/2 X 581" E-E PLUS CHAIN
8D1990	CABLE 1/2 X 611" E-E PLUS CHAIN
8D2000	CABLE 1/2 X 661" E-E PLUS CHAIN
8D2100	CHAIN 6 LINK (CASE HARDENED)
8D2210	CHAIN 8 LINK (CASE HARDENED)
8D2300	CHAIN 9 LINK HARRW SECTN LIFT
8D2400	CHAIN 3 LINK .625" DIA. ALLOY Z
8D2410	CHAIN 9 LINK .625" DIA. ALLOY Z
8D2460	SAFETY CHAIN 3/8" X 59" 20200#
8D2470	SAFETY CHAIN 7/16" X 64" 30400#
8D2730	PIN CABLE 1" X 2-3/4" ZI-DI
8D2990	TIRE VALVE TR413
8D2994	TIRE VALVE TR415
8D2996	VALVE CAP
8D3016	TIRE 7.60 X 15" 8PLY TUBELESS
8D3017	TIRE 12.5L X 15" 8PLY LUG TUBELS
8D3020	WHEEL 15 X 8" 5 BOLT
8D3024	TIRE 11L X 15" 8PLY TUBELESS
8D3030	WHEEL 15 X 6" 6 BOLT
8D3031	7.60 X 15 8PLY ON 15 X 6 X 6 WHEEL
8D3035	WHEEL 15 X 8" 6 BOLT-VLV GRD
8D3036	WHEEL 15 X 10" 6 BOLT
8D3037	11L X 15 8PLY ON 15 X 8 X 6 WHEEL
8D3038	12.5L X 15 8 PLY ON 15 X 10 X 6 WHL
8D3040	WHEEL 16.1 X 11" 6 BOLT
8D3041	TIRE 14L X 16.1" 8PLY TUBELESS

Stock code	Description
8D3042	14L X 16.1 8PLY ON 16.1 X 11 X 6 WHL
8D3045	TIRE 31 X 13.5-15" 8PLY TUBELESS
8D3046	31 X 13.5" 8PLY ON 15 X 10 X 6 WHEEL
8D3047	WHEEL 16 X 8" 8 BOLT
8D3048	LT235/85R16E LIGHT TRCK RADIAL
8D3049	LT235/85R16E RAD. ON16 X 8 X 8 WHL
8D3050	WHEEL 16.1 X 14" 8 BOLT
8D3051A	TIRE 16.5L X 16.1" 10 PLY TL
8D3053	16.5L X 16.1 10PL ON 16.1 X 14 X 8 WHL
8D3095	1/2" MP X 3/8" FPX 90° ADP
8D3096	1/2" MP X 3/8" FP 90° ADP
8D3097	3/4"-16 ORB X 3/8" FPX 90° ADP
8D3097A	7/8"-14 ORB X 3/8" FPX 90° ADP
8D3098	HEX BUSHING 1/2 X 3/8" Z
8D3099	1/2" RESTRICTOR VALVE
8D3100	3/8 MP X 3/8" FPX 1/32" RESTR
8D3100A	3/8 MP X 3/8" FPX 1/16" RESTR
8D3101	3/4"-16 ORB X 1/2" FPT STR ADP
8D3102	3/4"-16 ORB X 1/2" FPX SWIVEL
8D3107	1/2" HEX CLOSE NIPPLE
8D3108	3/4"-16 ORB X 3/8" MPT NIPPLE
8D3110	U-BOLT 1/2 X 2-9/16 X 7-5/8 SQ
8D3130	U-BOLT 3/8 X 1-3/4 X 2-1/2 RD
8D3140	U-BOLT 1/2 X 4-3/8 X 7-1/4" SQ
8D3150	U-BOLT 1/2 X 3 X 7-1/4" SQ
8D3152	U-BOLT 1/2 X 3-3/8 X 7-1/4" SQ
8D3212	MALE TIP 3/4"-16ORB ISO
8D3800	BRONZE BUSHING 3 OD X 2.75" ID
8D3830	CAP RETAINING
8D3840	SPINDLE ASSY 16/20 HITCH FOR 614 HUB
8D3845	SPINDLE C/W 614 HUB 16/20 HITCH
8D3850	SPINDLE ASSY 6X4 WING FOR 614 HUB
8D3855	SPINDLE C/W 614 HUB 6 X 4 WING
8D4010	CHAIN 5/16" X 10 LINKS
8D4012	CHAIN 5/16" X 18 LINKS
8D4018	CABLE 1/4" X 11'8" 14' HITCH
8D4020	CABLE 1/4" X 13' 16' HITCH
8D4024	CABLE CLAMP 1/4" MALLEABLE
8D4026	CABLE THIMBLE 1/4" HEAVY DUTY
8D4030	LINK CABLE & CHAIN ATTCH
8D4040	DRAWBAR CABLE ANCHOR U-BOLT
8D4050	SPRING AUTO CABLE FOLD PTD
8D4110	MT PLATE FOR U-BOLT
8D4120	ANGLE BRCKT LATCH SPRING
8D4130	MT PLATE PIVOT
8D4140	MT BRCKT PIVOT L
8D4150	MT BRCKT PIVOT R
8D4160	MT PLATE SPRING ANCHOR
8D4170	MT BRCKT SPRING ANCHOR
8D4200	LATCH ASSY 16' HITCH
8D4202	LATCH ASSY 14' HITCH
8D4210	CABLE PULL W/TUBE
8D4220	ARM L 16' HITCH
8D4222	ARM L 14' HITCH
8D4230	ARM R 16' HITCH
8D4232	ARM R 14' HITCH
8D4250	CLEVIS DUAL CABLE AUTO-FOLD
8D5110	HUB H511
8D5111	HUB H511 W/ZERK 5 BOLT
8D5112	NUT HEX SLOT 3/4"-16 GR2 PLN
8D5113	HUB CAP H511
8D5114	WHEEL BOLT 1/2-20 UNF
8D5117	BEARING LM67048
8D5118	BEARING LM11949
8D5120	SEAL 1-1/2"ID FOR H413 & H511
8D5210	HUB H517
8D5211	HUB H517 W/ZERK 5 BOLT
8D5212	NUT HEX SLOT 7/8"-14 GR2 PLN
8D5213	HUB CAP H517 & H611
8D5214	WHEEL NUT 1/2-20 UNF
8D5215	WHEEL STUD 1/2-20 UNF X 1-7/8
8D5217	BEARING LM48548

Stock code	Description
8D5219	WASHER AXLE 7/8"
8D5220	SEAL 1.70" ID FOR H517 & H611
8D5221	SEAL 1.75" ID FOR H611
8D5311	HUB H611 W/ZERK 6 BOLT
8D5312	NUT HEX SLOTTED 1"-14 GR2 PLN
8D5313	NUT HEX SLOTTED 1"-14 GR2 Z
8D5314	NUT HEX SLOT 1.25"-12 GR2 PLN
8D5315	NUT HEX SLOT 1.25"-12 GR2 Z
8D5317	BEARING LM29749
8D5319	WASHER AXLE 1"
8D5330	OUTER RACE FOR H511 LM11910
8D5332	RACE FOR H517 H614 LM48510
8D5334	INNER RACE FOR H611 LM29710
8D5336	RACE FOR H511 517 & 611 LM67010
8D5770	TEE CASTING FOR 1-1/8" DIA ROD
8D5771	TEE CASTING FOR 1-1/2" DIA ROD
8D6002	TRANSPORT LOCK 14' HITCH
8D6016	16' HITCH
8D6142	PLATFORM FOR 20' AF PTD
8D6180	PLATFORM FOR 16' AF PTD
8D6340	DROP AXLE HITCH 3/4 X 10-8" W/HRDW
8D6342	DROP AXLE WING 3/4 X 10-9" W/HRDWR
8D6350	SPINDLE W/PLATE HITCH
8D6351	SPINDLE W/PLATE WING TUBE
8D6355	SPINDLE W/611 HUB HITCH
8D6356	SPINDLE W/611 HUB WING TUBE
8D6502	48" DIA SKID FOR 16' HITCH
8D6515	PUMP BRCKT W/LEGS 16' AF
8D6521	FLAT 1/4 X 1-3/4 - 22.5" 500
8D6525	L 2.5 X 2 X 3/16 - 20.5" PTO
8D6530	L 2.5 X 2 X 3/16 - 27.5"
8D6533	5TH LEG FOR 1000 GAL SKID
8D6582	FRAME 1000 GAL FOR 20' HITCH
8D6590	BRACKET SPEED SENSOR W/11L
8D6592	BRACKET SPEED SENSOR W/14L
8D6710	MT PLATE 5/16 X 1-1/2 - 6"
8D6720	RUNNR TUBE L 20' W/500 GAL 72"
8D6722	RUNNR TUBE R 20' W/500 GAL 72"
8D6730	BOLT PLATE 2" (7D4234 PTD) 22'
8D6735	BOLT PLATE 4" (7D4236 PTD) 22'
8D6740	RUNNR TUBE L 22' 500 GAL 79.75"
8D6742	RUNNR TUBE R 22' 500 GAL 79.75"
8D8116	HITCH WEIGHT PACKAGE 16' HITCH
8D8490	PIONEER/ISO TIP HOLDER 97-
8D8500	HYD HOSE HOLDER PTD BLK
8D8520	JACK SPOOL 2" OD X 1.5" ID-1 7/8"
8D8521	JACK SPOOL 3 X 2.56- 1-29/32"
8D8521L	JACK SPOOL 3 X 2.56- 4-1/4" 99-
8D8521U	JACK SPOOL 3 X 2.56- 2-1/2" 00-
8D8522	5000 LB JACK 15" LIFT 5/8" PIN
8D8523	5000 LB JACK DROP LEG 5/8" PIN
8D8535	2000 LB JACK 15" LIFT SIDE CR
8D8554	PIN & CHAIN ASSY 9/16" HMBLOW
8D8556	PIN & CHAIN ASSY 5/8" FULTON
8D9090	HYD CYLINDER 2.5" X 14"
8D9091	SEAL KIT RAM 2.5 X 30" CYL 99
8D9091A	SEAL KIT RAM 2.5 X 14" GRN 99
8D9092	SEAL KIT PRINCE 8D9090/BA-0671
8D9100	CLEVIS PIN 1" X 3 1/2"
8D9102	CLEVIS PIN 1" X 4"
8D9104	CLEVIS PIN 1" X 4 3/4"
8D9108	ROLL PIN 1/4 X 2" ZP
8D9110	HAIR PIN CLIP
8D9111	SEAL KIT PRINCE 8D9112/BA-0669
8D9112	HYD CYLINDER 3.0" X 6"
8D9113	CYL 2.5 X 8" W/3.75" STOP TUBE
8D9114	CYL 2.5 X 8" W/DEPTH CNTRL
8D9115	CYL 2.5 X 8" W/3.75" STOP TUBE
8D9116	CYL 2.5 X 8" SP W/DEPTH CNTRL
8D9118	CYL 2.5 X 8" SP W/O DEPTH CNTRL
8D9119	SEAL KIT 2.5 X 8" PRINCE
8D9119A	SEAL KIT 2.5 X 8" PRINCE 3000 PSI

Stock code	Description
8D9120	HYD CYLINDER 2.5" X 30"
8D9121	HYD CYLINDER 2.5 X 30" ULT 99-
8D9122	SEAL KIT PRINCE 8D9121/BA-0670
8D9130	SEAL KIT 2.5X 8" LION
8D9138	SEAL KIT 2.5 X 8" SANBORN/MAG
8D9140	SEAL KIT RUGBY 2508
8D9146	TUBE 2.5" DIA RUGBY 2508
8D9160	CLEVIS SMALL RUGBY 2508
8D9180	CLEVIS 2.5 X 8" PRINCE 9108
8D9186	ROD 1.25" FOR 2.5 X 8" PRINCE 32508
8D9192	DEPTH CONTROL ASSY PRINCE ALL
8D9211	SEAL KIT PRINCE 8D9214/BA-0790
8D9213	SEAL KIT PRINCE 8D9215/BA-0672
8D9214	HYD CYLINDER 3 X 15.25" 26.5C-C
8D9215	HYD CYLINDER 3" X 16" 26.5C-C
8D9216	HYD CYLINDER 3" X 16"
8D9217	SEAL KIT RAM 3" CYL 99-
8D9217A	CYL TUBE FOR RAM 3 X 16"
8D9217B	ROD END GLAND FOR RAM 3 X 16"
8D9218	SEAL KIT 3X16" PRINCE 2500 PSI
8D9218A	SEAL KIT 3X16" PRINCE 3000 PSI
8D9220	MODEL 9216 & 9316 TIE ROD W/NUTS
8D9224	MODEL 9216 GLAND BUTT END
8D9226	MODEL 9216 TUBE
8D9230	MODEL 9216 PISTON
8D9232	MODEL 9216 PISTON ROD
8D9234	MODEL 9216 GLAND ROD END
8D9236	MODEL 9216 & 9316 CLEVIS ASSY.
8D9240	SEAL KIT 3" RUGBY
8D9250	SEAL KIT 3" X 16" LION/MONARCH
8D9260	SEAL KIT HYDRA MAC 3" WELDED
8D9316	HYD CYLINDER 3 1/2" X 16"
8D9318	SEAL KIT 3.5X16" PRINCE 2500PSI
8D9318A	SEAL KIT 3.5X16" PRINCE 3000PSI
8D9326	MODEL 9316 TUBE
8D9330	MODEL 9316 PISTON 3/4" HOLE
8D9330A	MODEL 9316 PISTON 7/8" HOLE
8D9332	MODEL 9316 PISTON ROD 3/4" THD
8D9332A	MODEL 9316 PISTON ROD 7/8" THD
8D9334	MODEL 9316 GLAND ROD END
8D9340	SEAL KIT 3.5" 1.25" ROD RUGBY
8D9340B	SEAL KIT 3.5" 1.5" ROD RUGBY
8D9350	SEAL KIT 3.5 X 16" LION/MONARCH
8D9358	ANCHOR END CAP RUGBY 3516
8D9360	SEAL KIT J&L 3.5" WELDED
8D9416	HYD CYLINDER 4" X 16"
8D9418	SEAL KIT 4 X 16 & 32" PRINCE 2500PSI
8D9418A	SEAL KIT 4 X 16" & 32 PRINCE 3000PSI
8D9420	MODEL 9416 TIE ROD W/NUTS
8D9424	MODEL 9416 GLAND BUTT END
8D9426	MODEL 9416 TUBE
8D9430	MODEL 9416 PISTON
8D9432	MODEL 9416 PISTON ROD
8D9434	MODEL 9416 GLAND ROD END
8D9436	MODEL 9416 CLEVIS ASSY
8D9440	SEAL KIT 4" 1.5" ROD RUGBY
8D9450	PISTON 4" DIA RUGBY 4016
8D9458	ANCHOR END CAP RUGBY 4016
8D9466	HYD CYLINDER 4.5" X 16" 99-
8D9470	BARREL 4 X 16" LANTEX
8D9472	PISTON 4 X 16" LANTEX
8D9473	SEAL KIT 4 X 16" LANTEX
8D9474	GLAND 4 X 16" LANTEX
8D9475	COLLAR 4 X 16" LANTEX
8D9476	ROD 1 3/4" 4 X 16" LANTEX
8D9516	HYD CYLINDER 5" X 16"
8D9518	SEAL KIT 5 X 16" PRINCE 2500PSI
8D9518A	SEAL KIT 5 X 16" PRINCE 3000 PSI
8D9540	SEAL KIT 5 X 16" RUGBY
8D9554	CLEVIS FOR PRINCE 5 X 16" CYL
8D9718	MODEL 19700 PRINCE SEAL KIT
8D9720	MODEL 10300 PRINCE SEAL KIT

Stock code	Description
8H0230	FLAT 1/4 X 1-1/4 - 45-1/2"
8H0232	FLAT 5/16 X 1.5 - 47.5"
8H0235	FLAT 5/16 X 1.5 - 49.5"
8H0240	FLAT 5/16 X 1.5 - 67.5"
8H0250	FLAT 3/8 X 1.5 - 51.5"
8H0260	FLAT 5/16 X 1.5 -18.5"ADJULTI
8H0261	FLAT 5/16 X 1.5 - 19.75" OLD 5
8H0350	U-BOLT 1/2 X 2 X 3" RD
8H0370	FLAT 5/16 X 1.5 - 57"
8H0380	FLAT 5/16 X 1.5 - 72.5"
8H0390	PIPE STD 1/2" - 1"
8H0401	1ST PIPE W/LEVER 7' 5-BAR
8H0402	2ND PIPE W/LEVER 7' 5-BAR
8H0403	3RD PIPE W/LEVER 7' 5-BAR
8H0404	4TH PIPE W/LEVER 7' 5-BAR
8H0410	SIDE ANGLE LEFT 5 BAR
8H0411	SIDE ANGLE RIGHT 5 BAR
8H0520	LEVER CULT BRACKET
8H0540	LEVER 1ST BAR STRAIGHT
8H0541	LEVER 2ND BAR LEFT
8H0542	LEVER 3RD BAR RIGHT
8H0550	SIDE ANGLE LEFT 4 BAR
8H0551	SIDE ANGLE RIGHT 4 BAR
8H0615	1ST PIPE W/LEVER 5.5' 4 BAR
8H0616	2ND PIPE W/LEVER 5.5' 4 BAR
8H0617	REAR PIPE W/LEVER 5.5' 4 BAR
8H0618	3RD PIPE W/LEVER 5.5' 4 BAR
8H0620	REAR PIPE W/LEVER 7' 4 BAR
8H0621	REAR PIPE W/LEVER 7' 5 BAR
8H0631	1ST PIPE W/LEVER 5.5' 5 BAR
8H0632	2ND PIPE W/LEVER 5.5' 5 BAR
8H0633	3RD PIPE W/LEVER 5.5' 5 BAR
8H0634	4TH PIPE W/LEVER 5.5' 5 BAR
8H0635	REAR PIPE W/LEVER 5.5' 5 BAR
8H0641	1ST PIPE W/LEVER 5' 5 BAR
8H0642	2ND PIPE W/LEVER 5' 5 BAR
8H0643	3RD PIPE W/LEVER 5' 5 BAR
8H0644	4TH PIPE W/LEVER 5' 5 BAR
8H0645	REAR PIPE W/LEVER 5' 5 BAR
8H0682	PIPE 1S1231 W/.5" HL PTD
8H0691	BAR ONLY 1.9"- 35" W/HO PTD
8H0701	BAR ONLY 1.9"- 49" W/HO PTD
8H0711	BAR ONLY 1.9"- 63" W/HO PTD
8H0721	BAR ONLY 1.9"- 77" W/HO PTD
8H0731	BAR ONLY 1.9"- 91" W/HO PTD
8H0741	BAR ONLY 1.9"-105" W/HO PTD
8H0749	BAR ONLY 1.9"-119" W/HO PTD
8H0751	BAR ONLY 1.9"-133" W/HO PTD
8H0755	BAR ONLY 1.9"-147" W/HO PTD
8H0761	BAR ONLY 1.9"-161" W/HO PTD
8H0771	BAR ONLY 1.9"-175" W/HO PTD
8H1110	HARROW TOOTH 3/8 X 14" DB
8H1110S	HARROW TOOTH 3/8 X 14" STR DB
8H1110SL	HARROW TOOTH 3/8 X 16" STR DB
8H1140	HARROW TOOTH 3/8 X 16" MH
8H1140S	HARROW TOOTH 3/8 X 16" STR MH
8H1150	HARROW TOOTH 3/8 X18.5" MH
8H1150S	HARROW TOOTH 3/8 X18.5"STR MH
8H1180S	HARROW TOOTH 1/2 X 20" STR
8H1190S	HARROW TOOTH 9/16 X 26" STR
8H1280	SPRING EXTENSION 1" OD X 4" LONG
8H1304	SPRING HEAVY 1" ID - 2.75"
8H1306	SPRING MEDIUM 1.5" OD-15" 50# 1"
8H1308	SPRING LIGHT 7/8" ID - 15"
8H1310	ROD 3/4" DIA X 24"
8H1311	SUPPORT ROD
8H1320	COLLAR ADJUSTMENT
8H1325	SWIVEL
8H1330	SIDE PLATE 3 BAR M74-M94
8H1331	SIDE PLATE 3BAR RGHT M94 02-
8H1332	SIDE PLATE 4 BAR M74-M94
8H1333	SIDE PLATE 4BAR RIGHT M94 02-

Stock code	Description	Stock code	Description
8H1380	CONN BAR 5/16 X 1.5 - 25.5 3BR	8HD0532	ADJUSTMENT BAR 3/8 X 2 X 19" FRNT XHD
8H1382	CONN BAR 5/16 X 1.5 - 37.5 4BR	8HD0540	CONNECTNG BAR 3/8 X 2 X 49-1/2" XHD
8H1384	ADJ BAR 5/16 X 1.5 - 16" ARM	8HD0550	STOP/MNT BRACKET SPRING FLAT XHD
8H1385	ADJ BAR 5/16 X 1.5 - 17.75 BCK	8HD0560	MOUNTING BRACKET SECTION XHD
8H1395	CLIP LOCKUP 2-7/8 X 4 10 GA	8HD0570	LIFT ARM SH W/O ADJ. FC 93-
8H1398	CLIP BACKUP	8HD0572	LIFT ARM SH W/ADJ. FC. RIGHT 96-
8H1480	SPACER 1/2 X 5 - 3-7/8"	8HD0591	1 ST PIPE W/LEVER 6'5 BAR SH 93-
8H1498	SPACER TUBE 4 X 3 - 5" 5T	8HD0591L	1 ST PIPE W/LEFT LEVER-HYD 96-
8H1499	SPACER TUBE 4 X 2 - 5" 4T	8HD0592	2 ND PIPE W/LEVER 6'5 BAR SH 93-
8H1502	SPACER TUBE 3 X 1.5 - 8" 3T	8HD0592L	2 ND PIPE W/LEFT LEVER-HYD 96-
8H1504	SPACER TUBE 4 X 4 - 5" 4T	8HD0593	3 RD PIPE W/LEVER 6'5 BAR SH 93-
8H1506	SPACER TUBE 4 X 6 - 5" 4T	8HD0593L	3 RD PIPE W/LEFT LEVER-HYD 96-
8H1510	MT PLATE (FLAT 1/2 X 5-10") 6" MAX.	8HD0594	4 TH PIPE W/LEVER 6'5 BAR SH 93-95
8H1512	MT PLATE (FLAT 1/2 X 5-16") 11" MAX.	8HD0594A	4 TH PIPE W/LEVER 6' SPRING 95-
8H1520	MT BRACKET SHORT (13") UNIV	8HD0594L	4 TH PIPE W/LEFT LEVER-HYD 96-
8H1522	MT BRACKET SHORT (20") HI-CLR	8HD0595	REAR PIPE W/LEVER 6'5 BAR SH 93-95
8H1530	MT BRACKET LONG (25") UNIV	8HD0595A	REAR PIPE W/LEVER 6' SPRING 95-
8H1532	MT BRACKET LONG (29") HI-CLR	8HD0595L	REAR PIPE W/LEFT LEVER-HYD 96-
8H1540	MT BRACKET SHORT L JD235	8HD0791	1 ST PIPE W/LEVER 8'5 BAR SH 1993
8H1541	MT BRACKET SHORT R JD235	8HD0792	2 ND PIPE W/LEVER 8'5 BAR SH 1993
8H1546	MT BRACKET SHORT JD235	8HD0793	3 RD PIPE W/LEVER 8'5 BAR SH 1993
8H1550	MT BRACKET SPECIAL JD235	8HD0794	4 TH PIPE W/LEVER 8'5 BAR SH 1993
8H1560	MT BRACKET EXTENSION JD235	8HD0795	REAR PIPE W/LEVER 8'5 BAR SH 1993
8H2010	PIPE SPACER 3/4 X 1 1/2" 1 ARM	8HD2036	WINGTUBE 10'10" 3T FOR 36' XHD
8H2040	1ST PIPE W/LEVER 4.5' 3 OR 4 BAR M94	8HD2048	WINGTUBE 16'10" 4T FOR 48' XHD
8H2042	2ND PIPE W/LEVER 4.5' 3 OR 4 BAR M94	8HD2060	WINGTUBE 22'10" 6T FOR 60' XHD
8H2044	3RD PIPE W/LEVER 3BR 4.5' M94 88-00	8HD2162L	WNGTUBE 9'10.5" 4T-60' SH #1 LEFT
8H2045	3RDPPIPE W/LEVER 3BR 4.5' M94 QADJ 02-	8HD2162R	WNGTUBE 9'10.5" 4T-60' SH #1 RIGHT
8H2060	1ST PIPE W/LEVER 6' 3 OR 4 BAR M94	8HD2172L	WNGTUBE 15'11" 6T FOR 72+84 #1 LEFT
8H2062	2ND PIPE W/LEVER 6' 3 OR 4 BAR M94	8HD2172R	WNGTUBE 15'11" 6T FOR 72+84 #1 RIGHT
8H2064	3RD PIPE W/LEVER 3BR 6' M94 88-00	8HD2268	WNGTUBE 9'10.5" 4T FOR 60-72' SH END
8H2065	3RDPPIPE W/LEVER 3BR 6' M94 QADJ 02-	8HD2284	WNGTUBE 15'11" 6T FOR 84' SUPER END
8H2076	3RD PIPE W/LEVER 4.5' 4 BAR M94	8HD5052	1ST PIPE W/LEVER 6' 104/6 3 OR 4 BAR
8H2078	4TH PIPE W/LEVER 4BR 4.5' M94 88-00	8HD5054	2ND PIPE W/LEVER 6' 104/6 3 OR 4 BAR
8H2079	4THPIPE W/LEVER 4BR 4.5' M94 QADJ 02-	8HD5056	3RD PIPE W/LEVER 6' 104/6 3BR 93-00
8H2086	3RD PIPE W/LEVER 6' 4 BAR M94	8HD5056Q	3RD PIPE W/LEVER 6' 3BR 104/6 QADJ 00-
8H2088	4TH PIPE W/LEVER 4BR 6' M94 88-00	8HD5057	3RD PIPE W/LEVER 6' 104/6 4BR 98-
8H2089	4THPIPE W/LEVER 4BR 6' M94 QADJ 02-	8HD5058	4TH PIPE W/LEVER 6' 104/6 4BR 98-00
8H2094	1ST PIPE W/LEVER 7.5' 3 OR 4 BAR M94	8HD5058Q	4TH PIPE W/LEVER 6' 4BR 104/6 QADJ 02-
8H2096	2ND PIPE W/LEVER 7.5' 3 OR 4 BAR M94	8HD5072	1ST PIPE W/LEVER 8' 104/6 3 OR 4 BAR
8H2098	3RD PIPE W/LEVER 3BR 7.5' M94 91-00	8HD5074	2ND PIPE W/LEVER 8' 104/6 3 OR 4 BAR
8H2099	3RDPPIPE W/LEVER 3BR 7.5' M94 QADJ 02-	8HD5076	3RD PIPE W/LEVER 8' 104/6 3BR 93-00
8H2100	MT PLATE 5/8 X 4 - 8-3/8 1 ARM	8HD5076Q	3RD PIPE W/LEVER 8' 3BR 104/6 QADJ 00-
8H2107	3RD PIPE W/LEVER 7.5' 4 BAR M94	8HD5077	3RD PIPE W/LEVER 8' 104/6 4BR 98-
8H2108	4TH PIPE W/LEVER 4BR 7.5' M94 91-00	8HD5078	4TH PIPE W/LEVER 8' 104/6 4BR 98-00
8H2114	4THPIPE W/LEVER 4BR 7.5' M94 QADJ 02-	8HD5078Q	4TH PIPE W/LEVER 8' 4BR 104/6 QADJ 02-
8H2120	MOUNTING BRACKET 1 ARM	8HD5082	1ST PIPE W/LEVER 10' 104/6 3 OR 4 BAR
8H2130	ADJ NUT W/SPRING-ROD ASSY 1 ARM	8HD5084	2ND PIPE W/LEVER 10' 104/6 3 OR 4 BAR
8H2132	CARRIER ARM 34" DISK M94/104/106	8HD5086	3RD PIPE W/LEVER 10' 104/6 3BR 93-00
8H2142	CARRIER ARM 42" M94/104/106	8HD5086Q	3RD PIPE W/LEVER 10' 3BR 104/6 QADJ 00-
8H2144	CARRIER ARM 52" CHP M94/104/106	8HD5087	3RD PIPE W/LEVER 10' 104/6 4BR 98-
8H2145	CROSS TUBE W/FLAT 3'6" BAR 1 ARM	8HD5088	4TH PIPE W/LEVER 10' 104/6 4BR 98-00
8H2150	CROSS TUBE W/FLAT 4.5' M94	8HD5088Q	4TH PIPE W/LEVER 10' 4BR 104/6 QADJ 02-
8H2155	CROSS TUBE W/FLAT 4'8" BAR 1 ARM	8HD5094	EXT PIPE 2.375" OD X .148-12" 01-
8H2160	CROSS TUBE W/FLAT 6' M94	8HD5096	EXT TUBE 1.5 SQ 11GA- 23-3/4" 01-
8H2170	CROSS TUBE W/FLAT 7.5' M94	8HD5097	M104 1 TINE EXT OPT PAIR 03-
8H2180	CLIP W/PIVOT AUTO LOCK UP 1 ARM	8HD5098	M106 1 TINE EXT OPT PAIR 03-
8H2190	HANDLE W/PIN AUTO LOCK UP 1 ARM	8HD5100	SIDE PLATE 1/4" 3BR 104/6 93-00
8H2300	MNTG ARM ASSY 34" M94/104/106	8HD5101	SIDE PLATE 1/4" 3BR 104/6 LEFT 00-
8H2310	MNTG ARM ASSY 42" M94/104/106	8HD5102	SIDE PLATE 1/4" 3BR 104/6 RIGHT 00-
8H2314	MNTG ARM ASSY 52" M94/104/106	8HD5104	SIDE PLATE 5/16"4BR 104/6 98-00
8H2315	EXT. MNT. ARM 6" M94/104/106	8HD5105	SIDE PLATE 5/16" 4BR 104/6 LEFT 00-
8HD0060	SPRING FLAT 5/8 X 1-3/4- 60" PNTD	8HD5106	SIDE PLATE 5/16" 4BR 104/6 RIGHT 00-
8HD0064	SPRING FLAT 3/4 X 1-3/4- 60" PNTD	8HD5110	ADJUSTMENT BAR (3/8 X 2 X 19") 93-00
8HD0080	PIPE CLAMP 2-1/2" ID PLATED ZDI	8HD5115	CONNCTING BAR (3/8 X 2-17.5) 00-
8HD0150	ADJUSTMNT PIN 5/8 X 9.75" 95-	8HD5120	CONNCTING BAR (3/8 X 2 X 30.5) 93-
8HD0160	SPRING TINE ADJ. COMP. ZINC 95-	8HD5124	CONNCTING BAR (3/8 X 2 X 45") 98-00
8HD0200	U-BOLT 1/2 X 2-3/8 X 3-9/16" RD	8HD5140	CROSS TUBE W/FLAT 6' M104/M106
8HD0510	PIPE SPACER 3/4 X 2-3/4" XHD	8HD5150	CROSS TUBE W/FLAT 8' M104/M106
8HD0520	SPACER 1.25 OD X .76 ID -2.75"	8HD5160	CROSS TUBE W/FLAT 10' M104/M106
8HD0522	TOP SPACER 1-7/8 OD X 9/32- 2-3/4"	8HD5180	EXT. BRACKET LEFT M94-106 2ND ARM
8HD0530	ADJUSTMENT BAR 3/8 X 2 X 19" REAR XHD	8HD5188	EXT. BRACKET RIGHT M94-106 2ND ARM

Stock code	Description
8HD5190	EXT. BRACKET RIGHT W/HRDWR 2ND ARM
8HD5225	BOLT PLATE JD 510 MOUNT 99-
8HD5230	EXTENSION JD 510 MOUNT 99-
8HD5240	TUBE 4SQ-172" JD510 MOUNT 99-
8HD6110	CROSS TUBE U-BOLT ATTCH 24"C-C
8HD6120	CROSS TUBE U-BOLT ATTCH 48"C-C
8HD6120S	CROSS TUBE U-BOLT ON FOR 8' SECT
8HD6140	MOUNTING BRACKET SECTION FOR 8" SQ
8HD6150	ANGLE TOOTH STOP 1.75 X 1.75-6.25
8HD6160	EXTENSION SHRT COIL MNT FOR 8" SQ
8HD6170	EXTENSION LONG COIL MNT FOR 8" SQ
8HD6174	PIVOT ARM SHORT SH+/COIL 96-
8HD6176	PIVOT ARM LONG SH+/COIL 96-
8HD6180	LIFT ARM FOR SH+ SECT. LEFT 95-
8HD6182	LIFT ARM SH+ W/ADJ. FC RIGHT 95-
8HD6460	CABLE ATTACH FLAT 3/8 X 2- 4 5/8"
8HD6464	CABLE GUIDE FLAT 3/8 X 6 - 9"
8HD6490	CHAIN 5/16 X 37" (33 LINKS) 95-
8HD6620	WINGTUBE 11'0" FOR 36'8" SQ
8HD6640	WINGTUBE 17'2" FOR 48' 8" SQ
8HD6660	WINGTUBE 23'0" FOR 60' 8" SQ
8HD6660H	WINGTUBE 23' (5/16" WALL)
8HD6663	WINGTUBE PART 1 LEFT 60 & 72 SH+ 96-
8HD6664	WINGTUBE PART 1 RIGHT 60 & 72 SH+ 96-
8HD6665	WINGTUBE END (8"SQ) 60' HW SH+ 96-
8HD6680	WINGTUBE 34'10" 84' SOLID
8HD6684	WINGTUBE PART 1 LEFT FOR 84' SH+
8HD6685	WINGTUBE PART 1 RIGHT FOR 84' SH+
8HD6698	WINGTUBE END (8" SQ) FOR 72 & 84' SH+
8HD7000	BUSHING ROCKSHFT HYD. TINE 95-
8HD7020	CYL.ATTACH BASE-HYD. TINE 95-
8HD7040	CYL.ATTACH ROD- HYD. TINE 95-
8HD7060	LEVER U-BOLT ON HYD. TINE 95-
8HD7080	CONNECTING TUBE HYD. TINE 95-
8HD7100	STIFFNR FLAT 3/8 X 2 HYD. TINE 95-
8HD7110	CLAMP ROCK SHFT HYD. TINE 95-
8HD7120	PIPE CAP - SH+ 98-
8HD7130	ROCKSHAFT 4 SQ X 6T- 54" HYD. TINE
8HD7136	ROCKSHAFT 4 SQ X 6T- 84" HYD. TINE
8HD7148	ROCKSHAFT 4 SQ X 6T- 13'0" HYD. TINE
8HD7160	ROCKSHAFT 4 SQ X 6T- 19'0" HYD. TINE
8HD7172	ROCKSHAFT 4 SQ X 6T- 25'0" HYD. TINE
8HD7184	ROCKSHAFT 4 SQ X 6T- 31'0" HYD. TINE
8J0190	SCRAPER FLAT SUPERCOULTER 00-
8J0200	MOUNT FLAT SCRAPER SUPERCOULTER 00-
8J1022	COULTR BLADE WAVE .197 X 22" 00-
8J1023	COULTR BLADE FLAT .197 X 22" 00-
8J1027	COULTR BLADE 5/8" TURBO .197 X 22"
8J3010	SPOOL WELDED 10" FULL CLTR 00-
8J3246	SCRAPER MNT TUBE-46" SCLTR 03-
8J3256	SCRAPER MNT TUBE-56" SCLTR 00-
8J3266	SCRAPER MNT TUBE-66" SCLTR 00-
8J3276	SCRAPER MNT TUBE-76" SCLTR 00-
8J4000	HITCH SUPERCOULTER 00-
8J4015	CENTER FRAME NRRW SPRCLTR 03-
8J4020	CENTER FRAME WIDE SPRCLTR 00-
8J4030	30'WING WIDE CNTR SC LEFT 00-
8J4032	30'WING WIDE CNTR SC RIGHT 00-
8J4040	40' WING SUPERCOULTER LEFT 00-
8J4042	40' WING SUPERCOULTER RIGHT 00-
8J4123	WING 23' NARROW CNTR SPRCLTR 03-
8J4130	WING 30'NRRW CNTR SPRCLTR03-
8J4140	LIFT ARM SUPERCOULTER 2" ID 00-
8J4220	CYLINDR ATTACH SUPERCOULTER 00-
8J4275	STUB TUBE TRANSPORT LCK NRRW CNTR
8J4300	REAR LEG ATTACH BRACKET 01-
8J4470	HITCH BRACE SUPER COULTER 03-
8J4480	FRAME REAR HITCH SUPERCOULTER
8J5100	#6 JIC(M) X #6 JIC(M) UNION
8J5110	#10 JIC(M) X #10 JIC(M) UNION
8J5150	3/8" MPT X #6 JIC(M) STR ADPTR
8J5170	1/2" MPT X #10 JIC(M)STR ADPTR

Stock code	Description
8J5200	#10 JIC(F) X #6 JIC(M)HEX BUSH
8J5300	#6 JIC(MALE) 3X TEE
8J5310	#10 JIC(MALE) 3X TEE
8J5500	9/16"-18 ORB X #6 JIC(M) STR
8J5510	3/4" -16 ORB X #6 JIC(M) STR
8J5520	3/4" -16 ORB X #10 JIC(M) STR
8J5540	7/8"-14 ORB X #10 JIC(M) STR
8J5600	9/16"-18 ORB X #6 JIC(F-SW)STR
8J5620	3/4" -16 ORB X #6 JIC(F-SW)STR
8J5680	3/4"-16 ORB X 3/4"-16ORB UNION
8J5700	#6 JIC(F-SW) X #6 JIC(M) 90° ADP
8J5800	3/8"FPT X #6 JIC(F-SW) STR
8J5810	1/2"FPT X #10 JIC(F-SW) STR
8J6000	9/16"-18 ORB X #6 JIC(M) 90°ADP
8J6010	3/4" -16 ORB X #6 JIC(M) 90° ADP
8J6020	3/4"-16 ORB X #10 JIC(M) 90° ADP
8J6030	7/8"-14 ORB X #10 JIC(M) 90° ADP
8J6060	3/4"-16ORB X #6JIC(F-SW) 90° ADP
8J7000	HYD BALL VALVE 9/16"-18ORB(2X)
8J7110	TANK CHK VLV 7/8-14ORB ML/FML
8J7116	3/4"-16 ORB(2X)1WAY 1/16" RESTR
8J7216	#6JIC(M) X #6JIC(F) 1/16" RESTR
8J7232	#6JIC(M) X #6JIC(F) 1/32" RESTR
8K1010	HITCH - DISK 84-
8K1040	CENTER FRAME 14.5' LEFT 84-
8K1042	CENTER FRAME 14.5' RIGHT 84-
8K1050	CENTER FRAME 16' LEFT 84-
8K1052	CENTER FRAME 16' RIGHT 84-
8K1062	SPLICE TUBE FRNT W/BLT PL 84-
8K1070	SPLICE TUBE REAR 84-
8K1081	CROSSTUBE 18.5-32.5 FRONT 98-
8K1082	CROSSTUBE 18.5-32.5 REAR 84-
8K1090	CROSSTUBE 16' FRNT/RR CNTR 84-
8K1093	CROSSTUBE 38.5+44.5 MIDDLE 98-
8K1100	SPINDLE W/614 HUB 2" DIA. 84-
8K1105	SPINDLE W/HD 812 HUB 2.5" DIA.
8K1105S	SPINDLE W/HD 812HUB 2"DIA.DISK
8K1107	SPINDLE W/H1010 HUB 96-
8K1109	SPINDLE W/H1010 15K GREEN 03-
8K1112	LIFTARM 24.5' WING LEFT 98-
8K1122	LIFTARM 24.5' WING RIGHT 98-
8K1134	LIFTARM 28' + 32.5' WING 00-
8K1146	LIFTARM 18.5-32.5 FRNT CNTR 98-
8K1152	LIFTARM 18.5-32.5 REAR CNTR 98-
8K1178	LIFTARM 38.5+44.5 RRC+ WING 00-
8K1186	LIFTARM 38.5+44.5 FRNT CNTR 98-
8K1212	A-FRAME 18.5-44.5 FRNT CNTR 98-
8K1221	A-FRAME 18.5-32.5 REAR CNTR 98-
8K1224	A-FRAME 38.5+44.5 REAR CNTR 98-
8K1232	A-FRAME 24.5' WING 98-
8K1242	A-FRAME 28-44.5' WING 98-
8K1280	WING TRUSS FRONT 18.5 & 21.5'
8K1282	WNGTRUSS REAR 18.5MH- FRONT 44.5
8K1284	WING TRUSS REAR 21.5'
8K1290	STUB TUBE L FRONT 18.5'
8K1292	STUB TUBE R FRONT 18.5'
8K1294	STUB TUBE L REAR 18.5'
8K1296	STUB TUBE R REAR 18.5'
8K1300	STUB TUBE L FRONT 21.5'
8K1302	STUB TUBE R FRONT 21.5'
8K1304	STUB TUBE L REAR 21.5'
8K1306	STUB TUBE R REAR 21.5'
8K1310	WING 24.5' L
8K1312	WING 24.5' R
8K1320	WING 28' L
8K1322	WING 28' R
8K1330	WING 32.5' L
8K1332	WING 32.5' R
8K1350	WING 38.5' & 44.5' PART 1 LEFT
8K1352	WING 38.5' & 44.5' PART 1 RIGHT
8K1358	WING 44.5' PART 2 L & R 98-
8K1510	TUBE END CAP 1/4 X 4 - 6"

Stock code	Description	Stock code	Description
8K1532	CYL PULL PL 1/2 X 2.5 X 12.25"	8K6942	SHOVEL REVERSIBLE 16 X 4-1/2 X 1/4"
8K1540	TUBE 2-1/4 OD X 1.268 - .5"	8K6952S	SPACER TUBE SHNK HEIGHT ADJ 96-
8K1610	PIN 3/4 X 6.25" SAFETY LOCK	8K6954S	BLT PLT SHANK HEIGHT (6 X 6.5) 96-
8K1620	PIN 1.25 X 6-1/8"	8K6956S	CLEVIS SHANK HEIGHT ADJ 96-
8K1640	PIN 1.5 X 10-5/8" HITCH	8K6960S	SHANK HGHT ADJST W/HRDWRE 96-
8K1660	PIN 1-1/2 X 15-1/2" HARDENED	8K6965	SHIM PLATE 10GA X 6- 8" W/HOLES
8K1680	CYL. BOLT 1.25" DIA. X 1" EYE X 9"	8K6966	SHIM PLATE 3/16 X 6- 8" W/HOLES
8K1682	CYL. BOLT 1.25" DIA. X 1.25" EYE X 9"	8K6968	CENTER TUBE SHANK MT
8K1682C	CYL. BOLT 1.5" DIA X 1" EYE 10-3/8 PL	8K6969	CENTER TUBE SHANK MT OFFSET 4"
8K1683	CYL. BOLT 1.5" X 1.25" EYE X 10-3/8 PL	8K7005	TUBE 11L X 15 W/RUB VALVE STEM
8K1684	CYL. BOLT 1.25" DIA. X 1" EYE X 17"	8K7007	TUBE 12.5L X 15 W/RUB VALVE STEM
8K1900	SEAL GBGI V DISK BRNG & WLKNG TNDM	8K7016	WHEEL 15 X 8" 8 BOLT-VLV GRD
8K1920	RETAINING RING 2-7/8" INV 00-	8K7020	WHEEL 15 X 10" 8 BOLT-VLV GRD
8K2000	DISK BEARING 2"	8K7022	WHEEL 16 X 10" 8 BOLT-VLV GRD
8K2020	RETAINING RING BEARING	8K7024	TIRE 11L X 15" 10PLY PLNTRD TBLSS
8K2050	HOUSING COMPLETE W/BEARING 2"	8K7025	TIRE 11L X 15" 10PLY TUBELESS
8K2080	BRG MT BRACKET BASE	8K7026	TIRE 11L X 15" LRF TL HWYSRV
8K2090	BRG MT BRACKET PIVOT TUBE	8K7027	TIRE 12.5L X 15" 8PLY TUBELESS
8K2102	BRG MT BRACKET COMPLETE W/BRG	8K7028	TIRE 12.5L X 15" LRF TL HWYSRV
8K2104	SPRING SHANK COMPLETE W/BRG	8K7033	11L X 15 LRF ON 15 X 8 X 6 WHEEL
8K2120	GANG ROD 2" DIA X 47"	8K7034	11L X 15 PLNTRD 10PLY ON 15 X 8 X 6 WHL
8K2130	GANG ROD 2" DIA X 57"	8K7035	11L X 15 10PLY ON 15 X 8 X 6 WHL
8K2140	GANG ROD 2" DIA X 67"	8K7036	11L X 15-10PLY ON 15 X 8 X 6 W/TUBE
8K2150	GANG ROD 2" DIA X 77"	8K7037	11L X 15 LRF ON 15 X 8 X 8 WHEEL
8K2160	GANG ROD 2" DIA X 87"	8K7042	12.5L X 15 LRF ON 15 X 10 X 8 WHL
8K2170	GANG ROD 2" DIA X 97"	8K7111	HUB HD812 W/ZERK 8 BOLT
8K3001	GANG WRENCH FOR DISK GRN 84-99	8K7113	HUB CAP HD812
8K3002	GANG WRENCH FOR DISK BLCK 00-	8K7115	WHEEL STUD 9/16-18 UNF X 2.25"
8K4000	SPOOL FULL DCTLE MCHNED	8K7116	WHEEL BOLT NUT 9/16-18 UNF
8K4009	SPOOL HALF SHORT FLAT DCTL 00-	8K7117	BEARING LM3780
8K4010	SPOOL HALF SHORT DCTLE MCHNED	8K7118	BEARING LM2790
8K4019	SPOOL HALF LONG FLAT DCTL 00-	8K7120	SEAL 2-1/2" ID HD812
8K4020	SPOOL HALF LONG DCTLE MCHNED	8K7122	WHEEL STUD 5/8-18 UNF X 2.5"
8K4130	HOUSING BRG TOGGLE MT CAST	8K7123	WHEEL BOLT NUT 5/8-18 UNF
8K4200	CLAMP GANG MOUNT W/PEG CAST	8K7130	INNER RACE FOR HD812 LM3720
8K4210	CLAMP GANG MOUNT CAST	8K7132	OUTER RACE FOR HD812 LM2720
8K4300	CLAMP SCRAPER MOUNT CAST	8K7150	AXLE HD812 2-1/2" DIA X 11-1/2"
8K4392	SPRING SHNK COIL MNT PNTD 00-	8K7150S	AXLE H812 X 11.5" 2" DIA. DISK
8K4400	SPRING SHANK GANG MOUNT	8K7154	AXLE HD812 2.5"DIA HRX21"98-
8K4410	SCRAPER PLATE DISK PTD	8K7211	HUB H1010 W/ZERK 10 BOLT
8K4420	CLAMP 1/2 X 2 - 4.25"	8K7212	HUB CAP GASKET H1010
8K4430	ARM 5/8 X 2.5 - 15.375" HR1044	8K7213	HUB CAP H1010
8K4449	ADJ.DOUBLE SCRAPER BRCKT 99-	8K7214	HUB CAP BOLT H1010
8K4450	BRACKET BAR MT 7K4110 7K4120	8K7215	WHEEL STUD 3/4-16 UNF X 2-5/8"
8K4610	SCRAPER MT TUBE 2 SQ X 38"	8K7215B	WHEEL STUD 3/4-16 UNF X 3-1/2"
8K4620	SCRAPER MT TUBE 2 SQ X 48"	8K7216	FLANGE NUT 3/4-16 UNF
8K4630	SCRAPER MT TUBE 2 SQ X 58"	8K7217	INNER BEARING 39585
8K4640	SCRAPER MT TUBE 2 SQ X 68"	8K7218	OUTER BEARING 460
8K4650	SCRAPER MT TUBE 2 SQ X 78"	8K7220	SEAL 3" ID H1010
8K4660	SCRAPER MT TUBE 2 SQ X 88"	8K7230	INNER RACE FOR H1010 39520
8K4670	SCRAPER MT TUBE 2 SQ X 98"	8K7232	OUTER RACE FOR H1010 453A
8K4690	MT TUBE ASSY 2SQ X 47" INSIDE	8K7250	AXLE S1010 3" DIA X 12-1/8" 96-
8K4692	MT TUBE ASSY 2SQ X 47" OUTSIDE	8K7251	AXLE 1010 3.5" X 12-1/8" 03-
8K4698	MT TUBE ASSY 2SQ X 67" OUTSIDE	8K8000	FLAT BRACKET LIGHT 3/8 X 3.5-11.38"
8K4700	MT TUBE ASSY 2SQ X 67" 14 CTR	8K8010	TUBE LIGHT BRACKET 1.5 SQ 55.5" 00-
8K4710	MT TUBE ASSY 2SQ X 77" 16.5CTR	8K8020	MOUNTING BRACKET LIGHT 00-
8K5024	BLADE DISK 1/4 X 24" W/2"HOLE	8K8067	DUST CAP FOR 7PIN CONNECT 00-
8K5024C	BLADE 1/4 X 24" CONSERVATION	8K8070	7 PIN MAIN HARNESS W/DUST CAP
8K5026	BLADE DISK 1/4 X 26" W/2" HOLE	8K8075	EXTENSION HARNESS NONDRAWBR 00-
8K5200	WASHER GANG BOLT 2.030" ID	8K8080	EXTENSION HARNESS DRAWBAR 00-
8K5210	WASHER GANG BLT FOR STALK FNGR	8K8088	LENS ONLY YELLOW GROTE LGHT ASY
8K5214	STALK FINGER 3/4 X 6"	8K8090	LIGHT ASMBLY YELLOW W/PIG 00-
8K5350	SPLITSSTEELBUSH 2" OD X 1.5" ID X 2"	8K8092	LENS ONLY RED GROTE LIGHT ASSY
8K5505	U-BOLT 3/4 X 2-1/8 X 4-1/4" SQ	8K8094	LIGHT ASSEMBLY RED W/PIG 00-
8K5515	U-BOLT 3/4 X 4 X 6" SQ ZI-DI	8K8105	HARNESS TEE 26' 2 WIRE WEATHER PACK
8K5520	U-BOLT 3/4 X 6-1/8 X 7-1/2" SQ	8K8200	BRCKT SMV ATTCH 4-8" FRAME 98-
8K6870	ARM & KNEE ASSY W/HUB CLTR OPT	8K8210	BRCKT W/SCKT SMV ATTACH 4-8" 98-
8K6874	20" FLUTED BLADE COULTR OPT BJ	8K8430	REPHASE CYL 3.0 X 8" 1.5" ROD
8K6878	HUB C/WBRGS, CUPS & SEAL CLTR OPT	8K8435	REPHASE CYL 3.5 X 8" 1.75" ROD
8K6890	COULTR DISK 20" W/MNTNG BRCKT	8K8440	REPHASE CYL 4.0 X 8" 2" ROD
8K6930	U-BOLT 5/8 X 2-1/16 X 2-7/8" SQ	8K8440C	REPHASE CYL 4.0 X 8" 2" ROD CTD
8K6940	CULT SHOVEL 16"	8K8445	REPHASE CYL 4.5 X 8" 2" ROD

Stock code	Description	Stock code	Description
8K8445C	REPHASE CYL 4.5 X 8" 2" ROD CTD	8L0258	U-BOLT 5/16 X 1-1/2 X 2-1/2 SQ
8K8452	REPHASE CYL 5.0 X 8" 2.125" ROD	8L0260	U-BOLT 3/8 X 1-3/4 X 3" SQ
8K8452C	REPHASE CYL 5.0 X 8" 2.125" CTD	8L0262	U-BOLT 5/16 X 1 X 2" SQ
8K8455	REPHASE CYL 5.5 X 8" 2.25" ROD	8L0266	U-BOLT 1/2 X 3-1/2 X 5" SQ
8K8460	REPHASE CYL 6.0 X 8" 2.375" ROD	8N2012	1/4X 12" HYD HOSE #6FJX 3000PSI
8K8520	SEAL KIT 4 X 8" PRINCE	8N2014	1/4X 14" HYD HOSE #6FJX 3000PSI
8K8530	SEAL KIT 4.5 X 8" PRINCE	8N2024	1/4X 24" HYD HOSE #6FJX 3000PSI
8K8540	SEAL KIT 5 X 8" PRINCE	8N2036	1/4X 36" HYD HOSE #6FJX 3000PSI
8K8560	NUT HEX LOCK 1-1/4" -12UNF GR5	8N2050	1/4X 50" HYD HOSE #6FJX 3000PSI
8K8600	SEAL KIT 3 X 8" CTD	8N2060	1/4X 60" HYD HOSE #6FJX 3000PSI
8K8608	SEAL KIT 3.5 X 8" CTD 1.50" ROD	8N2076	1/4X 76" HYD HOSE #6FJX 3000PSI
8K8610	SEAL KIT 3.5 X 8" CTD 1.75" ROD	8N2088	1/4X 88" HYD HOSE #6FJX 3000PSI
8K8620	SEAL KIT 4 X 8" CTD	8N2110	1/4X 110" HYD HOSE #6FJX 3000PSI
8K8630	SEAL KIT 4.5 X 8" CTD	8N2120	1/4X 120" HYD HOSE #6FJX 3000PSI
8K8640	SEAL KIT 5 X 8" CTD 2" DIA ROD	8N2135	1/4X 135" HYD HOSE #6FJX 3000PSI
8K8642	SEAL KIT 5 X 8" CTD 2.125" ROD	8N2150	1/4X 150" HYD HOSE #6FJX 3000PSI
8K8650	SEAL KIT 4 X 36" CTD	8N2160	1/4X 160" HYD HOSE #6FJX 3000PSI
8K8660	SEAL KIT 5 X 36" CTD	8N2170	1/4X 170" HYD HOSE #6FJX 3000PSI
8K8710	SEAL KIT 3 X 8" RUGBY	8N2180	1/4X 180" HYD HOSE #6FJX 3000PSI
8K8720	SEAL KIT 3.5 X 8" RUGBY	8N2190	1/4X 190" HYD HOSE #6FJX 3000PSI
8K8730	SEAL KIT 4 X 8" RUGBY	8N2210	1/4X 210" HYD HOSE #6FJX 3000PSI
8K8732	SEAL KIT 4 X 8" EDC RUGBY	8N2230	1/4X 230" HYD HOSE #6FJX 3000PSI
8K8734	SEAL KIT 4.5" PROP RUGBY	8N2250	1/4X 250" HYD HOSE #6FJX 3000PSI
8K8736	SEAL KIT 4 X 36" RUGBY	8N2290	1/4X 290" HYD HOSE #6FJX 3000PSI
8K8750	SEAL KIT 5 X 8" RUGBY	8N2360	1/4X 360" HYD HOSE #6FJX 3000PSI
8K8770	SEAL KIT 3.75 X 8" HL	8N2410	1/4X 410" HYD HOSE #6FJX 3000PSI
8K8774	SEAL KIT 4 X 8" HL	8N3018	3/8X 18" HYD HOSE #6FJX 3000PSI
8K8776	SEAL KIT 4 X 36" HL	8N3028	3/8X 28" HYD HOSE #6FJX 3000PSI
8K8778	SEAL KIT 4.25 X 8" HL	8N3035	3/8X 35" HYD HOSE #6FJX 3000PSI
8K8782	SEAL KIT 4.5 X 8" HL	8N3048	3/8X 48" HYD HOSE #6FJX 3000PSI
8K8786	SEAL KIT 4.75 X 8" HL	8N3060	3/8X 60" HYD HOSE #6FJX 3000PSI
8K8790	SEAL KIT 5 X 8" HL	8N3070	3/8X 70" HYD HOSE #6FJX 3000PSI
8K8792	SEAL KIT 5 X 36" HL	8N3084	3/8X 84" HYD HOSE #6FJX 3000PSI
8K8810	SEAL KIT 3.75 X 8" SANBORN	8N3096	3/8X 96" HYD HOSE #6FJX 3000PSI
8K8814	SEAL KIT 4 X 8" SANBORN	8N3124	3/8X 124" HYD HOSE #6FJX 3000PSI
8K8816	SEAL KIT 4 X 36" SANBORN	8N3136	3/8X 136" HYD HOSE #6FJX 3000PSI
8K8818	SEAL KIT 4.25 X 8" SANBORN	8N3150	3/8X 150" HYD HOSE #6FJX 3000PSI
8K8822	SEAL KIT 4.5 X 8" SANBORN	8N3160	3/8X 160" HYD HOSE #6FJX 3000PSI
8K8826	SEAL KIT 4.75 X 8" SANBORN	8N3180	3/8X 180" HYD HOSE #6FJX 3000PSI
8K8830	SEAL KIT 5 X 8" SANBORN	8N3204	3/8X 204" HYD HOSE #6FJX 3000PSI
8K8832	SEAL KIT 5 X 36" SANBORN/RUGBY	8N3216	3/8X 216" HYD HOSE #6FJX 3000PSI
8K8856	PISTON 4.5" DIA SANBORN	8N3228	3/8X 228" HYD HOSE #6FJX 3000PSI
8K8858	PISTON 4.75" DIA SANBORN	8N3252	3/8X 252" HYD HOSE #6FJX 3000PSI
8K8960	PISTON 5" DIA X 8" HYDRO-LINE	8N3288	3/8X 288" HYD HOSE #6FJX 3000PSI
8K9084	ROD END CAP 5X 36" HYDRO-LINE	8N3312	3/8X 312" HYD HOSE #6FJX 3000PSI
8K9090	CLEVIS PRINCE 5 X 8"	8N3330	3/8X 330" HYD HOSE #6FJX 3000PSI
8K9102	CYL PIN 1" X 4" (FOR 1/4" ROLL PIN)	8N3348	3/8X 348" HYD HOSE #6FJX 3000PSI
8K9104	CLEVIS PIN 1.25 X 3.75" PRINCE	8N3360	3/8X 360" HYD HOSE #6FJX 3000PSI
8K9106	PIN 1.25 X 4.375" HARDENED	8N3390	3/8X 390" HYD HOSE #6FJX 3000PSI
8K9160	STROKE CNTRL 3/4" THICK 1.5" RD	8N3432	3/8X 432" HYD HOSE #6FJX 3000PSI
8K9162	STROKE CNTRL 1" THICK 1.5" RD	8N3462	3/8X 462" HYD HOSE #6FJX 3000PSI
8K9164	STROKE CNTRL 1-1/4" THICK 1.5" RD	8N3534	3/8X 534" HYD HOSE #6FJX 3000PSI
8K9174	STROKE CNTRL COLLAR 1/2" 2" ROD	8N3570	3/8X 570" HYD HOSE #6FJX 3000PSI
8K9176	STROKE CNTRL COLLAR 3/4" 2" ROD	8N3606	3/8X 606" HYD HOSE #6FJX 3000PSI
8K9178	STROKE CNTRL COLLAR 1" 2" ROD	8N4016	1/2X 16" HYD HOSE#10FJX 3000PSI
8K9180	STROKE CNTRL COLLAR 1-1/4" 2" RD	8N4060	1/2X 60" HYD HOSE#10FJX 3000PSI
8K9190	TRANSPORT STOP 7.5" 2" ROD	8N4114	1/2X 114" HYD HOSE#10FJX 3000PSI
8K9220	ANGLE 6 X 6 X 1/2- 6.25" WEIGHT PACKAGE	8N4138	1/2X 138" HYD HOSE#10FJX 3000PSI
8K9230	SUITCASE WEIGHT PNTD 1.25" X 70#	8N4198	1/2X 198" HYD HOSE#10FJX 3000PSI
8K9375	HYD CYL 3.75 X 8" 1.37" ROD RAM	8N4216	1/2X 216" HYD HOSE#10FJX 3000PSI
8K9400	HYD CYL 4 X 8" 1.37" ROD RAM	8N4228	1/2X 228" HYD HOSE#10FJX 3000PSI
8K9425	HYD CYL 4.25 X 8" 1.37" ROD RAM	8N4546	1/2X 546" HYD HOSE#10FJX 3000PSI
8K9450	HYD CYL 4.5 X 8" 1.5" ROD RAM	8N4624	1/2X 624" HYD HOSE#10FJX 3000PSI
8K9475	HYD CYL 4.75 X 8" 1.5" ROD RAM	8N6060	3/4X 60" HYD HOSE#10FJX 3000PSI
8K9500	HYD CYL 5 X 8" 1.5" ROD RAM	8N6400	3/4X 400" HYD HOSE#10FJX 3000PSI
8K9640	HYD CYL 4 X 36" W/3" STOP TUBE	8N6570	3/4X 570" HYD HOSE#10FJX 3000PSI
8K9650	HYD CYL 5 X 36" W/3" STOP TUBE	8N6588	3/4X 588" HYD HOSE#10FJX 3000PSI
8K9655	HYD CYL 5.5 X 36" W/3" STOP	8R4335	EYE BOLT 3/8" NC
8K9700	CLEVIS WELD-ON FOR CTD	8R6145	EYE BOLT 3/4" NC
8K9702	CLEVIS 1.25"-12 THDS CTD	8R6808	SPLIT STEEL BUSH 1.25" OD X 1" ID X .75"
8K9704	CLEVIS 1.5" -12 THDS CTD	8R6810	SPLIT STEEL BUSH 1.62" X 1.25" ID X 1"
8L0252	WASHER 3.5 OD X 1.25 ID ZINC	8R6850	1/2" FP X 1/2" FP HEX COUPLER



Stock code	Description	Stock code	Description
8R6852	1/2" MP X 1/2" FPX 90° ADP	8T1045	REPHASE CYL 4.5 X 10" 96-
8R6853	3/8" MP X 3/8" FPX 90° ADP	8T1050	REPHASE CYL 5.0 X 10" 96-
8R6854	1/2" MP X 1/2" FPX SWIVEL	8T1055	REPHASE CYL 5.5 X 10" 96-
8R6855	1/2" MP X 3/8" FPX SWIVEL	8T1060	REPHASE CYL 6 X 10W/STRK CNTRL
8R6856	7/8"-14 ORB X 1/2" FPX 90° ADP	8T1135	SEAL KIT 3.5 X 10" RAM 2" ROD
8R6857	3/4"-16 ORB X 3/4" FPX SWIVEL	8T1137	SEAL KIT 3.75X 10" RAM 1-3/8 ROD
8R6858	3/4"-16 ORB X 3/8" FPX SWIVEL	8T1140	SEAL KIT 4.0 X 10" RAM 98-
8R6859	3/4"-16 ORB X 1/2" FPX 90° ADP	8T1140B	SEAL KIT 4.0 X 10" RAM 1-3/8 ROD
8R6860	3/8" HEX CLOSE NIPPLE	8T1145	SEAL KIT 4.5 X 10" RAM 98-
8R6861	3/8" X 110" HYD HOSE 3000 PSI	8T1150	SEAL KIT 5.0 X 10" RAM 98-
8R6864	1/2" MP X 3/4" FPX SWIVEL	8T1155	SEAL KIT 5.5 X 10" RAM 98-
8R6866	3/8" X 148" HYD HOSE 3000 PSI	8T1160	SEAL KIT 6.0 X 10" RAM 98-
8R6867	3/8" X 158" HYD HOSE 3000 PSI	8T2510	ROLLER PART 1 WING LIFT 5P 99-
8R6868	3/8" X 180" HYD HOSE 3000 PSI	8T2514	SPACER WING LIFT 9/16" 5P 99-
8R6898	AXLE H614 STR 2 X 8" 30'	8T2520	ROLLER WINGLIFT 2-3/16" 5P99-
8R6899	AXLE H614 STR 2" HR X 9-5/8"	8T2530	ROLLER WING LIFT W/4.5" DIA. FC 00-
8R6900	AXLE H614 STR 2 X 9.5" 11L	8T2988	CLAMP 1/2" WIRING MTL/RUB BACK
8R6901	AXLE H614 STR 2 X 9.5" DISK	8T2990	HYD HOSE CLAMP MTL/RUB BACK
8R6902	AXLE H614 STR 2" HR X 11-1/2"	8T3200	BOLT 1 X 11" W/6.5" THD Z GR5 96-
8R6911	HUB H614 W/ZERK 6 BOLT	8T3300	PIVOT BOLT CHISEL TRIP ASSY. Z
8R6913	HUB CAP H614	8T3400	WNG LIFT PIN BASE 5-PLEX 99-
8R6914	WHEEL BOLT 9/16"-18 UNF	8T3590	LINK PART 1 TO 2 FOR 5PLX 99-
8R6917	BEARING LM603049	8T3600	PIN WNG PIVT 1.5 X 4-7/8" 98-
8R6920	SEAL 2" ID H614	8T3602	PIN 1-1/2 X 5-7/16" HRDND & CHROM
8R6921	SEAL HD 2" ID H614	8T3606	PART 2 HINGE PIN 5 PLEX 99-
8R6922	SEAL ASSY GBGI H614 HUB 00-	8T3608	PIN 1-1/2 X 7-1/16" HRDND & CHROM
8R6923	SEAL ONLY GBGI H614 HUB 00-	8T3620	PIN 1-1/2 X 12-1/2" HRDND & ZINC
8R6924	COUNTRFACE GBGI H614 HUB 00-	8T3625	PIN 8T3620 W/WELDED WASHER 00-
8R6925	INNER RACE FOR H614 LM603011	8T3640	PIN 1-1/2 X 19" HARDENED
8R6927	SEAL SUPPORT GBGI FOR 614 AXLE	8T3800	WASHER 7 OD W/1.75 OD BUSH X 1.27" ID
8R6942	3/8" FPT TEE 3 SWIVELS	8T3810	7T4286 HEX WASHER PNTD 99-
8R6944	1/2" FPT TEE 3 SWIVELS	8T3820	WASHER 7 OD W/2.25 OD BUSH X 1.27" ID
8S0072	U-BOLT MUFFLER CLAMP PLATED	8T4000	HITCH CHISEL PLOW 96-
8S0074	MUFFLER CLAMP HD 2-1/8" PLATED	8T4020	FRAME CNTR FRONT CHPLOW 96-
8S0075	SADDLE MUFFLER CLAMP PLAIN	8T4030	FRAME CNTR REAR CHPLOW 96-
8S0080	PIPE CLAMP 1.90" ID PLATED ZDI	8T4032	FRAME REAR CNTR 5-PLEX 99-
8S0250	U-BOLT 1/4 X 1 X 1-3/4" RD	8T4040	WING 6' FOR 28' LEFT 98-
8S0280	U-BOLT 5/16 X 2 X 2-3/4 RD	8T4042	WING 6' FOR 28' RIGHT 98-
8S0290	U-BOLT 3/8 X 2-1/4 X 3-1/8" RD	8T4046	WING 6' FOR 5-PLEX LH 99-
8S0295	U-BOLT 3/8 2-5/8 X 4-1/4" RD	8T4048	WING 6' FOR 5-PLEX RH 99-
8S0300	U-BOLT 3/8 X 2 X 4" SQ	8T4050	WING PART 1 LEFT CHPLOW 96-
8S0310	U-BOLT 3/8 X 4 X 4" SQ	8T4052	WING PART 1 RIGHT CHPLOW 96-
8S0315	U-BOLT 3/8 X 3 X 4-1/8" RD	8T4054	WNG 11' FOR 5-PLEX LH 99-
8S0319	U-BOLT 3/8 X 3 X 4-1/8" SQ	8T4056	WNG 11' FOR 5-PLEX RH 99-
8S0320	U-BOLT 3/8 X 3 X 5-1/8" SQ	8T4060	WING EXT. 1 SHNK CHPLOW 96-
8S0330	U-BOLT 1/2 X 3 X 4-1/4" SQ	8T4070	WING EXT. 2 SHNK CHPLOW 96-
8S0340	U-BOLT 1/2 X 4 X 5-1/4" SQ	8T4072	WING EXT. 2 SHNK FOR GWHL 99-
8S0345	U-BOLT 1/2 X 5 X 6-1/4" SQ	8T4074	WING EXT. 3 SHNK CHPLOW LH 99-
8S0350	U-BOLT 1/2 X 2 X 7-1/2" SQ	8T4076	WING EXT. 3 SHNK CHPLOW RH 99-
8S0360	U-BOLT 5/8 X 6 X 4-1/2" SQ	8T4080	WING EXT. 4 SHNK LEFT CH 96-
8S1120	SLOW MOVING VEHICLE SIGN	8T4082	WING EXT. 4 SHNK RIGHT CH 96-
8S1124	MOUNTING SOCKET SMV SIGN	8T4090	SUPPORT GAUGE WHL 97-
8S1126	MNTNG SPADE W/HRDWRE SMV SIGN	8T4094	HOLDER GAG WHL AXLE 97-
8S1420	STROKE CNTRL COLLAR 1" 1.25 ROD	8T4100	PIVOT W/PLATE LA CHPLOW 96-
8S1430	STROKE CNTRL COLLAR .5"1.25 ROD	8T4130	LIFT ARM FRONT CNTR CH 98-
8S2980	HYD HOSE CLAMP-SMALL-NYLON	8T4132	WLKNG TNDM 7.5"C-C 2" ID 98-
8S2990	HYD HOSE CLAMP-LARGE-NYLON	8T4140	LIFT ARM WALKNG TNDM CH 96-
8T0100	SPRG BASE WSHR SQ HOLED 97-	8T4166	WT TDM W/ ANGLED 4X4 LH99-
8T0400	FC 7T0400 W/ 1-33/64" HOLE 99-	8T4168	WT TDM W/ ANGLED 4X4 RH99-
8T0500	SHANK CHISEL EDGE-ON PTD 96-	8T4174	FLAT 3/8 X 1-1/2" -6-7/8" 99-
8T0549	SPRING 11" COMP 1.34" OD 97-	8T4175	REAR SPRNG ATTCH BRACKET 50'-54'
8T0550	SPRING REAR HITCH PIN 97-	8T4176	SUPPORT-WHL SPRG LA LH 99-
8T0600	SPRING CHSL TRIP ASSY PTD 96-	8T4177	SUPPORT-WHL SPRG LA RH 99-
8T0606	WRENCH 1-1/2" OPEN 1" BOX 98-	8T4178	SUPPORT-WHL SPRG IBLT LH 99-
8T0608	WRENCH 1" OPEN 1-1/2" BOX 98-	8T4179	SUPPORT-WHL SPRG IBLT RH 99-
8T1004	HYD PLNGR REPAIR KIT PLSTC RAM-02	8T4190	MUD DFLCTR W/T 7T0125 BENT LEFT
8T1006	PLUNGER PIN W/HOLES RAM 98-	8T4192	MUD DFLCTR W/T 7T0125 BENT RIGHT
8T1010	POPPET ASSY HD BLT-ON RAM 02-	8T4198	BRACE FRNT CNTR CYL ATTACH U-BOLT
8T1035	REPHASE CYL 3.5 X 10" R35SM-10BP	8T4200	CYL. ATTCH FRNT CNTR CH 96-
8T1037	REPHASE CYL 3.75 X 10" R3755M-10BP	8T4224	CYL ATTCH REAR DEEP TILL 99-
8T1040	REPHASE CYL 4.0 X 10" 96-	8T4226	CYL ATTACH OS REAR 5PLEX 99-
8T1040B	RPHS CYL 4.0 X 10" FOR 5PLX 99-	8T4260	PART 2 WING REST 5-PLX 99-

Stock code	Description
8T4300	LOCK TRANSPORT WING 97-
8T4325	WNG LCK-5PLX CHPLW & SCLTR 99-
8T4350	LOCK TRANSPORT CYL. 10-1/2" 96-
8T4380	HOLDER CYL. TRANSPORT LOCK 96-
8T4400	SUPPORT CABLE LIMIT/HTCH 99-
8T4410	SUPPORT CABLE LIMIT/FRM 99-
8T4510	FRAME REAR HITCH 98-
8T4520	PIN REAR HTCH 1" X 9-11/16" 98-
8T4530	PIN REAR HTCH SPRG LOADED 98-
8T4540	HITCH REAR SWIVEL 98-
8T4550	REAR HTCH SLIDE 98-
8T5000	HOLDER SPRING TRIP ASSY. 96-
8T5020	PIPE SPRING STOP TRIP 96-
8T5049	HOLDER SHANK TRIP PNTD 96-
8T5050	HOLDER SHANK TRIP ASSY. 96-
8T5150	BRACKET MNTNG TRIP ASSY. 96-
8T5200	CAP SWIVEL TRIP ASSY. 96-
8T5345	SPLIT STEEL BUSH 2" OD X 1.5" ID X 1.5"
8T6000	GAUGE WHL JACK BOLT -PLT
8T6010	GAUGE WHL SCREW TOP 97-
8T6020	GAUGE WHL JACK HANDLE 97-
8T6810	PLST BUSH 1-5/8 X 1.25 X 1" LG
8T7020	WHEEL 14 X 6" 6 BOLT
8W0115	ADD DRAWBAR PL FREE 1.5*
8W0200	ADD DRAWBAR PL WING TUBE
8W0240	ADD DRAWBAR PL CLEVIS
8W0250	ADD DRAWBAR PL W/CLEVIS
8W0950	S-TINE LOWERING BRACKET 2" SQ
8W1002	HELPER SPRING S-TINE
8W1005	CLAMP HELPER SPRING
8W1006	PLOWBOLT 3/8-16 X 1.5" GR5 PLN
8W1007	HEAVY HEX NUT 3/8-16 GR2 PLN
8W1011	S-TINE STANDARD
8W1012	S-TINE HIGH CLEARANCE
8W1015	CLAMP FOR STANDARD S-TINE SLVR
8W1016	CLAMP FOR HI CLRNC S-TINE GOLD
8W1018	1.5" REVERSIBLE PT S-TINE
8W1020	1/4 X 2.75" S-TINE SHOVEL
8W1021	1/4 X 4" S-TINE SHOVEL
8W1022	73" 3T WT FOR 25'
8W1023	10'0" 3T WT FOR 33'
8W1039	9'2" 4T WT FOR 55 & 58' END
8W1040	10'1" 4T WT FOR 55 & 58' L
8W1041	10'1" 4T WT FOR 55 & 58' R
8W1100	71"4T WT FOR 25' ADD
8W1104	9'9" 4T WT FOR 29 & 33' ADD
8W1106	12' 4" 4T WT FOR 35' ADD
8W1110	12'10" 4T WT FOR 39 & 42' ADD
8W1120	16'10" 4T WT FOR 47 & 50' ADD
8W1130	19'10" 4T WT FOR 56' ADD
8W1136	19'10" 6T WT FOR 56' S-T ADD
8W1140	10'1" 4T WT FOR 55 & 58' L ADD
8W1142	10'1" 4T WT FOR 55 & 58' R ADD
8W1150	13'2" 4T WT FOR 70' L ADD
8W1152	13'2" 4T WT FOR 70' R ADD
8W1160	19'10" 4T WT FOR 84 & 98' L ADD
8W1162	19'10" 4T WT FOR 84 & 98' R ADD
8W1200	U-BOLT 1/2 X 2 X 3-1/4" SQ
8W1204	U-BOLT 1/2 X 3 X 3" SQ
8W1210	LIFT ARM 3RNC-SW
8W1220	LIFT ARM L W/CYL ATCH 3RNC-SW
8W1221	LIFT ARM R W/CYL ATCH 3RNC-SW
8W1222	TUBE SQ 2 X 2 - 64" 3T
8W1224	TUBE SQ 2 X 2 - 68" 3T
8W1226	TUBE SQ 2 X 2 - 80" 3T
8W1228	TUBE SQ 2 X 2 - 102-1/2" 3T
8W1230	TUBE SQ 2 X 2 - 110" 3T
8W1230H	TUBE SQ 2 X 2 - 110" 1/4" FRONT CNTR
8W1232	TUBE SQ 2 X 2 - 115" 3T
8W1235	TUBE SQ 2 X 2 - 126" 3T
8W1240	TUBE SQ 2 X 2 - 146" 3T
8W1245	TUBE SQ 2 X 2 - 164" 3T

Stock code	Description
8W1245H	TUBE SQ 2 X 2 - 162-1/2" 1/4" WALL
8W1250	TUBE SQ 2 X 2 - 170" 4T ST2
8W1260	FLAT 3/8 X 1.5 - 34"
8W1264	FLAT 3/8 X 1.5 - 50" 4-BAR ST2
8W1270	LEVER FOR 2" SQ TUBE/S-TINE
8W1275	BAR CLAMP FLAT 3/8 X 1.5 - 4"
8W1280	CYL ATTCH LEVER ROD END
8W1285	BOTTOM PLATE 1/2 X 4 - 4"
8W1300	BUSHING FOR 2" SQ TUBE/S-TINE
8W1340	MANIFOLD MT BRACKET 16 & 20'
8W1350	PILOT CHECK VALVE 3/8"
8W1357	HEX HEAD PLUG 9/16"-18 ORB
8W1359	PLUG 3/8" MPT ALLEN HEAD PLTD
8W1360	MANIFOLD BLOCK ALUMINUM 10PORT
8W1380	HOSE HOLDDOWN FOR 4 & 6" WDT TUBE
8W1390	HOSE HOLDDOWN FOR 2" WIDTH TUBE
8W1398	HOSE HOLDDOWN FOR 8" SQ DRAWBAR
8W1580	3/8" MP X 3/8" FPX SWIVEL
8W1582	9/16"-18 ORB X 3/8" FPX SWIVEL
8W1583	9/16"-18 ORB X 3/8" FPX 90°ADP
8W1585	9/16"-18 ORB X 3/8" MPT NIPPLE
8W1588	3/4"-16ORB PORT RESTRICTR .032"
8W1589	3/4"-16ORB PORT 1WAY RESTR 1/16"
8W1590	3/8" FPT SWIVEL COUPLING PLTD
8W1592	3/4" FPT SWIVEL COUPLING PLTD
8W1600	1/2" FPT SWIVEL COUPLING PLATD
8W1610	LIFT ARM COMPLETE-SUPERTILLER
8W1620	LIFT ARM W/CYL ATTCH TILLER L
8W1621	LIFT ARM W/CYL ATTCH TILLER R
8W1710	LIFT ARM ST-II + 4RNC SW
8W1720	LIFT ARM W/CYL ST-II + 4RNC SW
8W1740	EXT. LIFT ARM SHORT W/COIL PVT
8W1742	EXT. LIFT ARM LONG W/COIL PVT
8W1800	CYL ATTCH WING 7W1610 W/HOLES
8W1805	SPACER TUBE 1.25 X .76 ID- 13/16"
8W1806	SPACER TUBE 1.25 X .76- 1-1/16"
8W1810H	PIVOT W/614 AXLE WING HD LEFT
8W1812H	PIVOT C/W 614 HUB-WING HD LEFT
8W1814H	PIVOT W/614 AXLE WING HD RIGHT
8W1816H	PIVOT C/W 614 HUB-WING HD RIGHT
8W1820	PVT INNER WING W/ROLLERS LEFT
8W1822	PVT INNER WING W/ROLLERS RIGHT
8W1830H	PVT PLATE WING-1" 7W1650H PNTD
8W1850	HITCH PIVOT ASSEMBLY 22' HDA
8W1860	CYL ATTCH HITCH UBOLT-ON LEFT
8W1862	CYL ATTCH HITCH UBOLT-ON RIGHT
8W1883	ANGLE UHMW 2.5 X 2.5 X 3/8- 13"
8W1884	L UHMW 2.5 X 2.5 X 3/8- 13" W/HOLES
8W1886	FLAT 5/16 X 1.5 - 11-3/8" HDA
8W1890	ROLLER TUBE 1.5 OD X 1 ID - 1.5"
8W1895	NYLATRON 1" OD X .760" ID - 1-1/2"
8X0000	BOLT 1/4-20 X 3/4" FULL THD GR5 ZDI
8X0000B	BOLT 1/4-20NC X 1" GR5 ZDI
8X0001	BOLT 3/8-16NC X 3/4" GR5 ZDI
8X0001B	BOLT 3/8-24NF X 3/4" GR5 ZDI
8X0002	BOLT 3/8-16NC X 1" GR5 ZDI
8X0003	BOLT 1/4-20NC X 4-1/2" GR5 ZDI
8X0004	BOLT 3/8-16NC X 1-1/4" GR5 ZDI
8X0005	BOLT 1/4-20NC X 3-3/4" GR5 ZDI
8X0005B	BOLT 1/4-20NC X 4" GR5 ZDI
8X0006	BOLT 3/8-16NC X 2-1/2" GR5 ZDI
8X0007	BOLT 3/8-16NC X 1-1/2" GR5 ZDI
8X0007B	BOLT 3/8-16NC X 1-3/4" GR5 ZDI
8X0008	BOLT 3/8-16NC X 2" GR5 ZDI
8X0008B	BOLT 3/8-16X 2" FULL THD GR5 PLN
8X0009	BOLT 1/4-20NC X 2" GR5 ZDI
8X0010	BOLT 1/4-20NC X 1-1/4" GR5 ZDI
8X0011	SCREW RD HD SLOT 1/4 - 20 X 1.5" ZDI
8X0012	BOLT 1/4-20NC X 3-1/2" GR5 ZDI
8X0013	BOLT 1/4-20NC X 2-1/2" GR5 ZDI
8X0013F	SCREW FLATHEAD 1/4-20 X 3" ZDI
8X0014	BOLT 1/4-20NC X 3" GR5 ZDI

Stock code	Description
8X0015	BOLT 3/8-16NC X 3-3/4" GR5 ZDI
8X0016	BOLT 3/8-16NC X 3" GR5 ZDI
8X0017	BOLT 3/8-16NC X 5" GR5 ZDI
8X0018	BOLT 3/8-16NC X 4" GR5 ZDI
8X0019	BOLT 3/8-16NC X 4-1/2" GR5 ZDI
8X0020	BOLT 3/8-16 X 3.5" FULL THD GR5 ZDI
8X0021	BOLT 5/16-18NC X 3/4" GR5 ZDI
8X0021A	BOLT 5/16-18NC X 1" GR5 ZDI
8X0021B	BOLT 5/16-18NC X 1-1/4" GR5 ZDI
8X0022	BOLT 5/16-18NC X 1-1/2" GR5 ZDI
8X0023	BOLT 5/16-18NC X 2" GR5 ZDI
8X0024	BOLT 5/16-18NC X 4-1/2" GR5 ZDI
8X0026	BOLT 5/16-18NC X 2-3/4" GR5 ZDI
8X0027	BOLT 5/16-18NC X 4" GR5 ZDI
8X0028	SCKT CAP 3/8-16NC X 2" GR8 PLN
8X0029	BOLT 5/16-18NC X 3-1/2" GR5 ZDI
8X0030	BOLT 5/16-18NC X 5" GR5 ZDI
8X0031	BOLT 7/16-14NC X 1" GR5 ZDI
8X0033	BOLT 7/16 X 1.25 5/8" THD GR5 ZDI
8X0034	BOLT 7/16 X 1.75 W/1" THD GR5 ZDI
8X0035	BOLT 7/16-14NC X 1-1/2" GR5 ZDI
8X0036	BOLT 7/16-14NC X 2" GR5 ZDI
8X0037	PLOW BOLT 1/2-13NC X 2" GR5 ZDI
8X0038	BOLT 7/16-14NC X 2-1/2" GR5 ZDI
8X0041	BOLT 7/16-14NC X 3" GR5 ZDI
8X0044	BOLT 7/16-14NC X 3-1/2" GR5 ZDI
8X0045	BOLT 7/16-14NC X 4-1/2" GR5 ZDI
8X0046	BOLT 7/16-14NC X 7-1/4" GR5 ZDI
8X0047	BOLT 7/16-14NC X 6" GR5 ZDI
8X0048	CRG 7/16-14NC X 3-1/2" GR5 ZDI
8X0049	CRG 7/16-14NC X 4" GR5 ZDI
8X0060	BOLT 1/2-13NC X 1" GR5 ZDI
8X0061	BOLT 1/2-13NC X 1-1/4" GR5 ZDI
8X0062	BOLT 1/2-13NC X 2" GR5 ZDI
8X0063	BOLT 1/2-13NC X 1-1/2" GR5 ZDI
8X0064	CRG 1/2-13NC X 1-1/2" GR5 ZDI
8X0065	CRG 1/2-13NC X 2" GR5 ZDI
8X0066	BOLT 1/2-13NC X 1-3/4" GR5 ZDI
8X0066S	SCKT CAP 1/2-13 X 1.75" GR8 PLN
8X0067	BOLT 1/2-13NC X 2-1/4" GR5 ZDI
8X0068	BOLT 1/2-13NC X 2-1/2" GR5 ZDI
8X0069	BOLT 1/2-13NC X 3" GR2 ZDI
8X0070	BOLT 1/2-13NC X 3-1/4" GR5 ZDI
8X0071	BOLT 1/2-13 X 3" SHOULDR GR2 ZDI
8X0072	BOLT 1/2-13NC X 3-3/4" GR5 ZDI
8X0073	BOLT 1/2-13NC X 5" GR5 ZDI
8X0074	BOLT 1/2-13NC X 4-1/2" GR5 ZDI
8X0075	BOLT 1/2-13NC X 6" GR5 ZDI
8X0076	BOLT 1/2-13NC X 5-1/2" GR5 ZDI
8X0077	BOLT 1/2-13NC X 7-1/2" GR5 ZDI
8X0078	BOLT 1/2-13 X 3.5" SHOULDR GR2 ZDI
8X0079	BOLT 1/2-13NC X 10" GR5 ZDI
8X0080	WHL BOLT 9/16-18 X 2.25" GR5 ZDI
8X0081	BOLT 1/2-13NC X 7" GR5 ZDI
8X0082	BOLT 1/2-13NC X 6-1/2" GR5 ZDI
8X0083	BOLT 1/2-13NC X 8" GR5 ZDI
8X0084	BOLT 1/2-13NC X 9" GR5 ZDI
8X0085	BOLT 5/8-11NC X 1" GR5 ZDI
8X0086	BOLT 5/8-11NC X 1-1/4" GR5 ZDI
8X0087	BOLT 5/8-11NC X 1-1/2" GR5 ZDI
8X0090	BOLT 5/8-11NC X 2-1/4" GR5 ZDI
8X0091	BOLT 5/8-11NC X 1-3/4" GR5 ZDI
8X0092	BOLT 5/8-11NC X 2-3/4" GR5 ZDI
8X0093	BOLT 5/8-11NC X 2" GR5 ZDI
8X0094	BOLT 5/8-11NC X 4-1/2" GR5 ZDI
8X0095	BOLT 5/8-11NC X 5" GR5 ZDI
8X0096	BOLT 5/8-11NC X 4" GR5 ZDI
8X0097	BOLT 5/8-11NC X 5-1/2" GR5 ZDI
8X0098	BOLT 5/8-11 X 3.5" FULL THD GR5 ZDI
8X0099	BOLT 5/8-11 X 6" W/2.75" THD GR5 ZDI
8X0099B	BOLT 5/8-11 X 6.75" W/3.5 THD GR5 ZDI
8X0100	BOLT 5/8-11NC X 7" GR5 ZDI

Stock code	Description
8X0101	BOLT 5/8-11NC X 8" GR5 ZDI
8X0102	BOLT 5/8-11NC X 9" GR5 ZDI
8X0103	BOLT 5/8-11NC X 7-1/2" GR5 ZDI
8X0104	BOLT 5/8-11 X 6.5" FULL THD GR5 ZDI
8X0105	BOLT 5/8-11NC X 6-1/2" GR5 ZDI
8X0106	BOLT 3/4 X 2.75" W/1.38 THD GR8 ZDI
8X0107	BOLT 3/4-10NC X 2" GR5 ZDI
8X0110	BOLT 3/4-10NC X 1-1/4" GR5 ZDI
8X0111	BOLT 3/4-10NC X 2-1/2" GR5 ZDI
8X0112	BOLT 3/4-10NC X 2-1/4" GR5 ZDI
8X0113	BOLT 3/4-10NC X 5" GR5 ZDI
8X0114	BOLT 3/4-10NC X 3" GR5 ZDI
8X0115	BOLT 3/4-10NC X 3-1/2" GR5 ZDI
8X0115A	BOLT 3/4 X 10-3.5" FULL THD GR5 ZDI
8X0115B	BOLT 3/4-10NC X 3-1/2" GR8 ZDI
8X0116	BOLT 3/4-10NC X 6" GR5 ZDI
8X0117	BOLT 3/4-10NC X 7" GR5 ZDI
8X0118	BOLT 3/4-10NC X 4" GR5 ZDI
8X0119	BOLT 3/4-10NC X 7-1/2" GR5 ZDI
8X0120	BOLT 3/4-10NC X 8-1/2" GR5 ZDI
8X0121	BOLT 3/4-10NC X 6-1/2" GR5 ZDI
8X0122	BOLT 3/4-10NC X 4-1/2" GR5 ZDI
8X0123	BOLT 3/4-10NC X 5-1/2" GR5 ZDI
8X0125	BOLT 3/4-10NC X 10" GR5 ZDI
8X0126	BOLT 3/4-10NC X 8" GR5 ZDI
8X0130	BOLT 7/8-9NC X 2" GR5 ZDI
8X0132	BOLT 7/8-9NC X 2-1/2" GR5 ZDI
8X0133	BOLT 7/8-9NC X 3" GR5 ZDI
8X0135	BOLT 7/8-9NC X 7-1/2" GR5 ZDI
8X0136	BOLT 7/8-9NC X 9" GR5 ZDI
8X0137	BOLT 1-8NC X 4-1/2" GR5 ZDI
8X0138	BOLT 1-8NC X 5-1/2" GR5 ZDI
8X0139	BOLT 1-8NC X 3" GR5 ZDI
8X0140	BOLT 1-8NC X 7" W/1.38" THD GR5 ZDI
8X0141	BOLT 1-8NC X 7-1/2" GR5 ZDI
8X0142	BOLT 1-8NC X 2-1/2" GR5 ZDI
8X0143	BOLT 1-8NC X 5" GR5 ZDI
8X0144	BOLT 1-8NC X 9-1/2" GR5 ZDI
8X0145	BOLT 1-8NC X 10-1/2" GR5ZDI
8X0147	BOLT 1-8NC X 13" GR5 ZDI
8X0149	BOLT 1-8NC X 18" GR5ZDI
8X0150	BOLT 1-8NC X 20" GR5 ZDI
8X0160	SCREW NO. 10 X 24 - 5/8"
8X0163	SCREW NO. 10 X 24 - 1-1/4"
8X0164	SCRW TRSS HD SLOT #10 X 24-3" ZDI
8X0165	SCRW TRSS HD PHPLS 1/4-20-3/4 SS
8X0166	SCRW PAN HD PHPLS 1/4 X 20 X 1" SS
8X0168	SCRW TORX TAMPPRF 5/16-18 X 2" ZDI
8X0169	FLOORING SCREW 1/4 X 1.25" PLN
8X0176	SELF-DRILL SCRW 10-16 X 1/2" RUB
8X0178	SELF-DRILL SCRW 12-14 X 3/4" RUB
8X0180	SELF-DRILL SCRW 12-14 X 1" RUB
8X0182	SELF-DRILL SCRW 12-14 X 1.5" RUB
8X0200	NUT HEX 3/8"-24NF GR2 ZDI
8X0201	NUT HEX 3/8"-16NC GR2 ZDI
8X0202	NUT NY-LOCK 3/8"-16NC GR2 ZDI
8X0203	NUT SER FLANGE 3/8"-16 GR2 ZDI
8X0204	NUT HEX 3/8"-16NC GR2 GALV
8X0205	NUT HEX 10-24 ZDI
8X0210	NUT HEX 5/16"-18NC GR2 ZDI
8X0211	NUT SER FLANG 5/16"-18NC GR2 ZDI
8X0212	NUT NY-LOCK 5/16"-18NC GR2 ZDI
8X0213	NUT 5/16"-18NC X 3/8"-24 NF GR2 ZDI
8X0215	NUT NY-LOCK 10-24 GR2 ZDI
8X0218	NUT SQ 1/4"-20NC GR2 SS
8X0219	NUT HEX 1/4"-20NC LEFT GR2 ZDI
8X0220	NUT HEX 1/4"-20NC GR2 ZDI
8X0221	NUT NY-LOCK 1/4"-20NC GR2 SS
8X0222	NUT NY-LOCK 1/4"-20NC GR2 ZDI
8X0223	NUT SER FLANG 1/4"-20NC GR2 ZDI
8X0232	NUT HEX 7/16"-14NC GR2 ZDI
8X0234	NUT NY-LOCK 7/16"-14NC GR2 ZDI

Stock code	Description
8X0240	NUT HEX 1/2"-13NC GR2 ZDI
8X0242	NUT NY-LOCK 1/2"-13NC GR2 ZDI
8X0246	NUT HEX 9/16"-12NC GR2 ZDI
8X0250	NUT HEX 5/8"-11NC GR2 ZDI
8X0251	NUT JAM 5/8"-11NC GR2 ZDI
8X0252	NUT HEX 5/8"-11NC GR2 PLN
8X0253	NUT NY-LOCK 5/8"-11NC GR2 ZDI
8X0254	NUT SQ 5/8"-11NC GR2 PLN
8X0255	THD ROD COUPLER HD 5/8"-11 PLN
8X0257	NUT HEX 3/4"-10NC GR2 PLN
8X0258	NUT SQ 3/4"-10NC GR2 PLN
8X0259	NUT JAM 3/4"-10NC GR2 ZDI
8X0260	NUT HEX 3/4"-10NC GR2 ZDI
8X0261	NUT NY-LOCK 3/4"-10NC GR2 ZDI
8X0262	NUT TOP LOCK 3/4"-10NC GR2 PLN
8X0263	NUT TOP LOCK 3/4"-16NF GR2 ZDI
8X0264	BEVEL NUT CNTR LOCK 3/4"-10 ZDI
8X0267	NUT HEX 7/8"-9NC GR2 PLN
8X0268	NUT HEX 7/8"-9NC GR2 ZDI
8X0269	NUT JAM 7/8"-9NC GR2 ZDI
8X0270	NUT CENTER LOCK 7/8"-9NC GR2 ZDI
8X0277	NUT JAM 1"-8NC GR2 ZDI
8X0278	NUT JAM TOP LOCK 1"-8NC GR2 ZDI
8X0279	NUT HEX 1"-8NC GR2 PLN
8X0280	NUT HEX 1"-8NC GR2 ZDI
8X0281	NUT NY-LOCK 1"-8NC GR2 ZDI
8X0282	NUT TOP LOCK 1"-14NF GR2 ZDI
8X0283	NUT JAM 1.25"-7NC GR2 ZDI
8X0284	NUT HEX 1.25"-7NC GR2 ZDI
8X0285	NUT HEX 1.5"-6NC GR2 ZDI
8X0286	NUT JAM 1.5"-6NC GR2 ZDI
8X0287	NUT JAM 1.5"-6NC GR2 PLN
8X0288	NUT NY-LOCK 1.25"-7NC GR2 ZDI
8X0289	NUT HEX 1.25"-7NC GR2 PLN
8X0290	NUT HEX SLOT 1.25"-7NC GR2 ZDI
8X0292	NUT HVY HX SLOT 2"-4.5 GR2 PLN
8X0299	LOCKWASHER EXT TOOTH 1/4" SS
8X0300	LOCKWASHER 5/16 ZDI
8X0301	LOCKWASHER 3/8 ZDI
8X0302	LOCKWASHER 7/16 ZDI
8X0303	LOCKWASHER 1/2 ZDI
8X0304	LOCKWASHER 5/8 ZDI
8X0305	LOCKWASHER 9/16 ZDI
8X0306	LOCKWASHER 3/4 ZDI
8X0307	LOCKWASHER 7/8 ZDI
8X0308	LOCKWASHER 1/4 ZDI
8X0309	LOCKWASHER 1 ZDI
8X0311	LOCKWASHER 1-1/4 ZDI
8X0312	WASHER FENDER 1/4 X 1-1/4" SS
8X0313	WASHER SPRING 2-1/2 OD X 1-1/4" ID
8X0314	WASHER FLAT 2" OD X 49/64" ID -1/4" BL
8X0315	WASHER SPRING 2" OD X 1" ID BL
8X0316	WASHER SAE FLAT 1" ZDI
8X0317	WASHER SAE FLAT 3/4" ZDI
8X0318	WASHER FLAT 3/4 (13/16" ID) ZDI
8X0319	WASHER 7/8 OD X 17/32 ID X 16 GA ZDI
8X0320	WASHER FLAT 3/8 (7/16" ID) ZDI
8X0321	WASHER FLAT 1.5" OD X 3/8" ID BL
8X0322	WASHER FLAT 1/2 (9/16" ID) ZDI
8X0323	WASHER SAE FLAT 5/8" ZDI
8X0324	WASHER FLAT 5/8 (11/16" ID) ZDI
8X0325	WASHER FLAT 3/4 (13/16" ID) PLN
8X0326	WASHER FLAT 1-1/8 (1.25" ID) PLN
8X0327	WASHER SAE FLAT 1-1/4" ZDI
8X0328	WASHER 2.5 OD X 1.312 ID-1/4" BL
8X0328H	HEX WASHER 2.5 OD X 1.5" HEX-1/4 BL
8X0329	WASHER FLAT 5/16" (3/8" ID) ZDI
8X0330	WASHER 1.25 X 17/32" ID ZDI
8X0331	WASHER 1.25 X 15/32" ID ZDI
8X0332	WASHER FLAT 1/4 (5/16" ID) ZDI
8X0333	WASHER HARROW TOOTH ZDI
8X0340	WASHER 2-3/8 X 1-11/16 BRASS

Stock code	Description
8X0341	WASHER 2-1/2 X 1-3/4 BRASS
8X0350	WR MACH BUSHING 2 X 1 X 18 GA PLN
8X0351	WR MACH BUSHING 2 X 1 X 14 GA PLN
8X0355	NR MACH BUSHING 1.5 X 10 GA PLN
8X0361	NR MACH BUSHING 1.75 X 10 GA PLN
8X0362	MACH BUSHING 2 7/8 OD X 7/8 ID
8X0364	WASHER 3-1/2" OD X 2-1/2" ID 14 GA
8X0366	WASHER 3-1/16" OD X 2.03" ID
8X0367	WR MACH BUSHING 1.75 X 14 GA PLN
8X0368	WASHER SAE FLAT 1-1/2" PLN
8X0370	WASHER 3.936 X 3.01" ID X 14 GA
8X0380	WASHER 4.25 X 3-1/16 ID X 3/16"
8X0400	HAIR PIN CLIP 1/8 X 1-15/16"
8X0402	HAIR PIN CLIP 1/8 X 2-9/16"
8X0410	COTTER PIN 3/16 X 1" ZDI
8X0414	COTTER PIN 1/4 X 2" ZDI
8X0415	COTTER PIN 3/16 X 1-1/2" ZDI
8X0418	COTTER PIN 5/16 X 2-1/2" ZDI
8X0420	CLEVIS PIN 7/16 X 1-3/4" ZDI
8X0421	CLEVIS PIN 1/2 X 2" PLN
8X0422	CLEVIS PIN 1/2 X 2-1/4" ZDI
8X0425	CLEVIS PIN 1/2 X 3" ZDI
8X0428	CLEVIS PIN 1/2 X 5-1/4" ZDI
8X0432	CLEVIS PIN 1/2 X 6" ZDI
8X0440	CLEVIS PIN 5/8 X 3-7/8" ZDI
8X0450	HITCH PIN 3/4 X 4" USABLE W/LOCK
8X0460	CLEVIS PIN 3/8 X 3" PLN
8X0462	CLEVIS PIN 3/8 X 3" W/HOLE ZDI
8X0500	LYNCH PIN 7/16 X 1-3/4" ZDI
8X0510	ROLL PIN 3/16 X 1-1/4" PLN
8X0520	ROLL PIN 3/16 X 2" Z
8X0523	ROLL PIN 5/16 X 2-1/2" PLN
8X0525	ROLL PIN 3/8 X 3" ZDI
8X0560	POP RIVET 3/16" DIA X .825" ZDI
8X0590	SET SCRW SQ HD 1/4-20 X 1/2" ZDI
8X0605	SET SCRW SQ HD 7/16-14X1" ZDI
8X0606	SET SCRW SQ HD 7/16-14 X 1.5" ZDI
8X0610	SET SCRW SCKT 3/8-16 X 5/16" PLN
8X0614	SET SCRW SQ HD 5/8-11 X 2" PLN
8X0618	SET SCRW SQ HD 5/8-11 X 3" PLN
8X0630	SET SCRW SCKT HD 3/8-24 X 1" PLN
8X0632	SET SCRW SCKT 7/16-14 X 1.5" PLN
8X0640	SET SCRW SQ HD 1/2-13 X 1.5" PLN
8X0642	SET SCRW SQ HD 1/2-13 X 2" PLN
8X0665	SET SCRW SQ HD 3/4-10 X 4.5" ZDI
8X0708	ZERK 1/4-28 NF STR ZDI
8X0710	ZERK 1/4-28 NF 90 DEG ZDI
8X0720	ZERK 5/16-32 NEF 65 DEG ZDI
8X0721	ZERK 5/16-24 NF ZDI
8X0725	ZERK 1/8" MPT ZDI
8X0727	ZERK 1/8" MPT 90 DEG ZDI
8Z0075	TRNSPRT LCK WARNING DCL TILLAGE
8Z0079	"SUMMERS" DECAL 5X20"
8Z0087	"WARNING" PINCH POINT 2.5 X 7-1/2"
8Z0090	IMPORTANT HYD DEPTH ADJ 1.6 X 5"
8Z0092	"WARNING" HITCH DECAL 5 X 12.5"
8Z0093	"WARNING" AUTOFOLD DECAL 4.5 X 12.75"
8Z0094	DIAMOND DISK DECAL 5 X 30"
8Z0095	SERIES 10 DECAL 4.5 X 14" 98-
8Z0101	"SUMMERS" M64 74 94 2.25 X 9"
8Z0110	M94 ID DECAL 01-
8Z0114	M104 ID DECAL 01-
8Z0118	M106 ID DECAL 01-
8Z0122	SUPERHARROW ID DECAL 01-
8Z0126	SUPERHARROW PLUS ID DECAL 01-
8Z0130	HYD FOLD PACKER ID DECAL 01-
8Z0134	SUPERCHISEL ID DECAL 01-
8Z0138	SUPERCOUNTER ID DECAL 01-
8Z0158	700 ID DECAL 01-
8Z0202	"SUMMERS" 400 SKID DECAL 4 X 13.5"
8Z0220	ROCKPICKER IMPORTANT DECAL 3" X 4"
8Z0230	RP BATT WARNING DECAL 3.5 X 7"

Stock code	Description
8Z0232	AUTO FOLD WARNING DECAL 2 X 7"
8Z0276	GENERAL CAUTION DECAL 91-
8Z0278	WHEEL TIGHTENING DECAL 96-
8Z0285	DAILY MAINTENANCE DECAL 96-
8Z0340	REPHASING CYLINDERS DECAL
8Z0342	INSTALL CYL LOCKS DECAL
8Z0344	WING DANGER DECAL
8Z0346	ELECTROCUTION-TILL DECAL
8Z0348	GAUGE WHEEL DEPTH DECAL
8Z0800	REFLECTOR AMBER ADHSV-BCK 98-
8Z0805	REFLECTOR REDORANGE ADHSV-BK 99-
8Z0810	REFLECTOR RED ADHSV-BCK 98-
8Z1070	OPERATOR MAN SUPERCOUNTER 00-
8Z1088	OPERATOR MAN DISK 8" STRK CYL 84-98
8Z1089	OPERATOR MAN DISK SERIES 10 98-99
8Z1090	OPERATOR MAN DISK SERIES 10 00-
8Z1096	OPERATOR MANUAL CHISEL PLW28-44
8Z1098	OPERATOR MANUAL CHISEL PLW50-54
8Z1100	OPER MAN; HARROW S-HRRW S-WEEDR
8Z1101	OPERATOR MANUAL-COIL:HP PD ST2
8Z1102	OPERATOR'S MANUAL ROCKPICKER
8Z1105	OPERATOR'S MANUAL AGRI-SPRAYER
8Z1129	PARTS BOOK ALL PRODUCTS 2003

**Stock code Description**