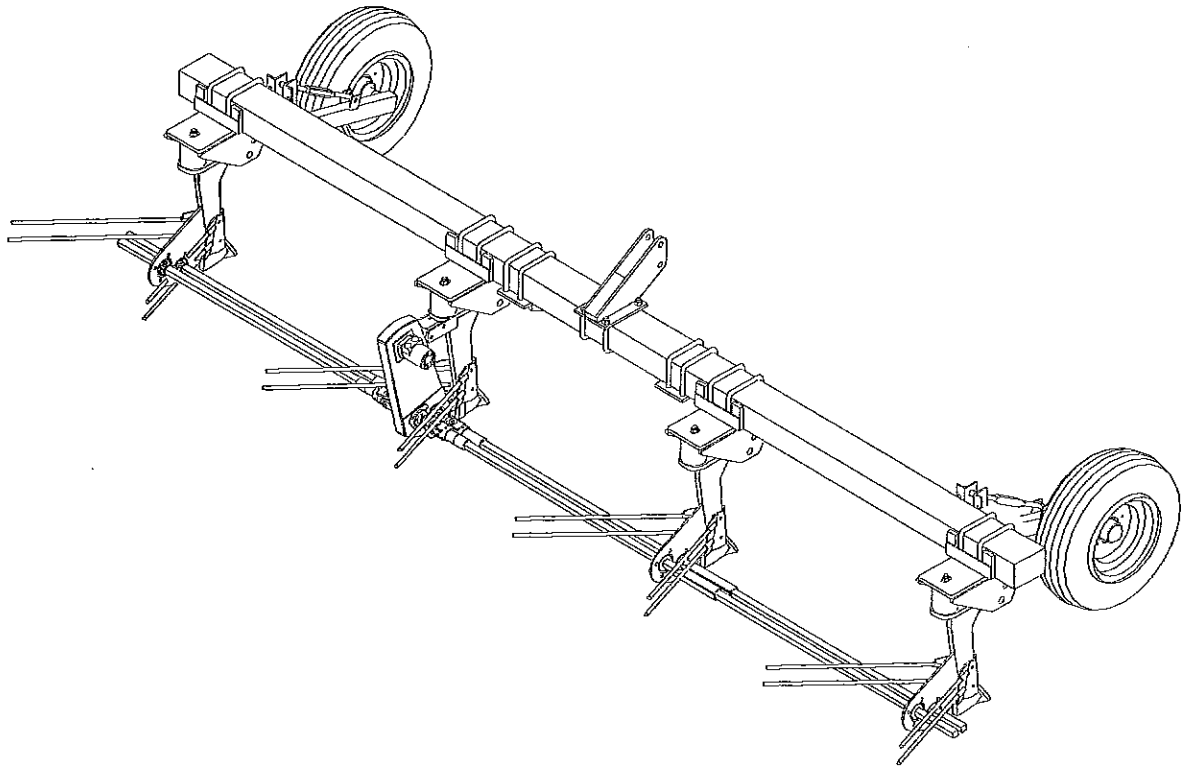


Harriston

INDUSTRIES



1999 Bean Rod Parts Book

(Cushion-Shank Rod)

HARRISTON INDUSTRIES, INC.

Bean Rod (December 15, 1998)

WARRANTY

WARRANTY POLICY

Harriston Industries, Inc. (Harriston) warrants Harriston equipment to be free from defects in material and workmanship under normal use and service. Obligation under this warranty shall extend for a period of 12 months following the date of delivery to the original purchaser, provided the Purchaser's Warranty Registration form has been returned to Harriston Industries, Inc. Warranty shall be limited to, at the option of Harriston, replacement or repair of any parts found, upon inspection by Harriston or authorized dealer, to be defective.

This warranty does not include ground engagement tools that wear out. This includes, but is not limited to: knife shanks, knife shoes, bean knives, bean rod shanks, bean rod shoes, bean rods, bean rod couplers, and bean rod u-joints. Also, this warranty does not include ground engagement tools that break due to field or operating conditions.

LIMITATIONS OF LIABILITY

This warranty is expressly in lieu of all other warranties expressed or implied and all other obligations or liabilities on our part of any kind or character, including liabilities for alleged representations or negligence. We neither assume nor authorize any other person to assume on our behalf, any liability in connection with the subsequent sale of the Bean Rod.

This warranty shall not apply to any Bean Rod which has been altered outside the factory in any way so as, in the judgment of Harriston, to affect its operation or reliability, or which has been subject to misuse, neglect, or accident.

This warranty does not cover parts and accessories which are under separate guarantees from the manufacturers and service can be obtained from their service facilities in Canada or the United States. No warranty is extended to regular service items such as lubricants, paint, and the like.

OPERATOR'S MANUAL

The Purchaser acknowledges having received training in the safe operation of the Bean Rod and further acknowledges that Harriston does not assume any liability resulting from the operation of the Bean Rod in any manner other than described in the Operator's Manual supplied at the time of purchase.

WARRANTY VOID IF NOT REGISTERED

INTRODUCTION

Congratulations on your choice of a new Harriston Bean Rod to complement your farming operation. This equipment has been designed and manufactured to meet the needs of a discerning Agricultural industry. The Harriston Bean Rod is designed to fluff beans and separate the vines and hair roots from the soil and aid in drying.

Safe, efficient, and trouble free operation of your Bean Rod requires that you and anyone else who will be operating or maintaining the machine, read and understand the Safety and Operation & Service information contained within the Operator's Manual.

This manual covers all Bean Rod models manufactured by Harriston. Differences are covered and explained where appropriate. Use the Table of Contents as a guide to locate required information.

Keep this manual handy for frequent reference and to pass on to new operators or owners. Call your Harriston Dealer or distributor if you need assistance, information, or additional copies of the manuals.

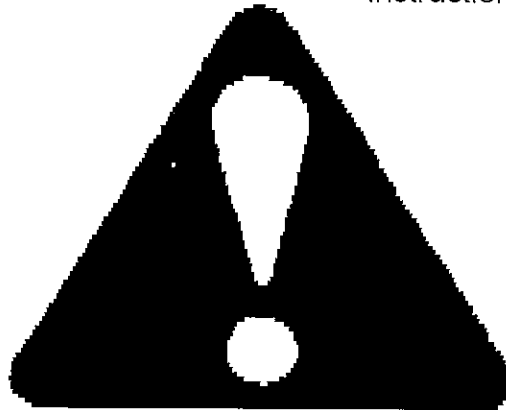
OPERATOR ORIENTATION - The directions left, right, front, and rear, as mentioned throughout the manual, are as seen from the driver's seat and facing in the direction of travel.

SAFETY

SAFETY ALERT SYMBOL

This Safety Alert symbol means
ATTENTION! BECOME ALERT!
YOUR SAFETY IS INVOLVED!

The Safety Alert symbol identifies important safety messages on the Harriston Bean Rod and in the manual. When you see this symbol, be alert to the possibility of personal injury or death. Follow the instructions in the safety message.



3 Big Reasons

Accidents Disable and Kill
Accidents Cost
Accidents Can Be Avoided

SIGNAL WORDS:

Note the use of the signal words **DANGER**, **WARNING**, and **CAUTION** with the safety messages. The appropriate signal word for each message has been selected using the following guide-lines:

DANGER - An immediate and specific hazard which **WILL** result in severe personal injury or death if the proper precautions are not taken.

WARNING - A specific hazard or unsafe practice which **COULD** result in severe personal injury or death if proper precautions are not taken.

CAUTION - Unsafe practices which **COULD** result in personal injury if proper practices are not taken, or as a reminder of good safety practices.

YOU are responsible for the SAFE operation and maintenance of your Harriston Bean Rod. **YOU** must ensure that you and anyone else who is going to operate, maintain, or work around the Bean Rod be familiar with the operating and maintenance procedures and related SAFETY information contained in this manual. This manual will take you step-by-step through your working day and alerts you to all good safety practices that should be adhered to while operating the Bean Rod.

Remember, **YOU** are the key to safety. Good safety practices not only protect you but also the people around you. Make these practices a working part of your safety program. Be certain that **EVERYONE** operating this equipment is familiar with the recommended operating and maintenance procedures and follows all the safety precautions. Most accidents can be prevented. Do not risk injury by ignoring good safety practices.

- Bean Rod owners must give operating instructions to operators or employees before allowing them to operate the Bean Rod, and at least annually thereafter per OSHA (Occupational Safety and Health Administration) regulation 1928.57.
- The most important safety device on this equipment is a SAFE operator. It is the operator's responsibility to read and understand ALL Safety and Operating instructions in the manual and to follow them. All accidents can be avoided.
- A person who has not read and understood all operating and safety instructions is not qualified to operate the machine. An untrained operator exposes himself and bystanders to possible serious injury or death.
- Do not modify the equipment in any way. Unauthorized modification may impair the function and/or safety and could affect the life of the equipment.
- Think SAFETY! Work SAFELY!

GENERAL SAFETY

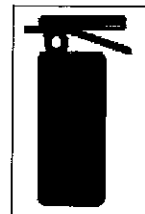
1. Read and understand the Operator's Manual and all safety signs before operating, maintaining, adjusting, or unplugging the Bean Rod.



2. Have a first-aid kit available for use should the need arise, and know how to use it.

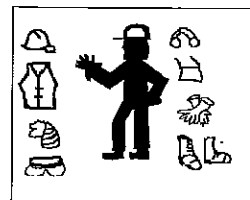


3. Have a fire extinguisher available for use should the need arise, and know how to use it.



4. Wear appropriate protective gear. This list includes, but is not limited to:

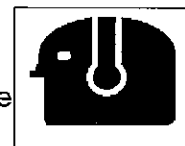
- ✓ A hard hat
- ✓ Protective shoes with slip resistant soles
- ✓ Protective glasses or goggles
- ✓ Heavy gloves
- ✓ Wet weather gear
- ✓ Hearing protection



5. Install and secure all guards before starting.

6. Do not allow riders.

7. Wear suitable ear protection for prolonged exposure to excessive noise.



8. Lower machine to the ground, place all controls in neutral, stop tractor engine, set park brake, remove ignition key, and wait for all moving parts to stop before servicing, adjusting, repairing, or unplugging.

9. Clear the area of people, especially small children, before starting the unit.

10. Review safety related items annually with all personnel who will be operating or maintaining the Bean Rod.

OPERATING SAFETY

1. Read and understand the Operator's Manual and all safety signs before operating, servicing, adjusting, repairing, or unplugging.
2. Do not allow riders.
3. Install and secure all guards and shields before starting or operating.
4. Keep hands, feet, hair, and clothing away from moving parts.
5. Lower machine to the ground, place all controls in neutral, stop tractor engine, set park brake, remove ignition key, and wait for all moving parts to stop before servicing, adjusting, repairing, or unplugging.
6. Place all tractor and machine controls in neutral before starting.
7. Clear the area of bystanders, especially small children, before starting.
8. Stay away from machine when raising or lowering wings. Keep others away.
9. Keep all hydraulic lines, fittings, and couplers tight and free of leaks before using.
10. Clean reflectors and lights before transporting.
11. Use hazard flashers of tractor when transporting.
12. Stay away from overhead electrical wires.
13. Review safety instructions with all operators annually.

MAINTENANCE SAFETY

1. Follow ALL the operating, maintenance, and safety information in the manual.
2. Support the machine with blocks or safety stands when changing tires or working beneath it.
3. Follow good shop practices:
 - Keep service area clean and dry.
 - Be sure electrical outlets and tools are properly grounded.
 - Use adequate light for the job at hand.
4. Use only tools, jacks, and hoists of sufficient capacity for the job.
5. Lower machine to the ground, place all controls in neutral, stop tractor engine, set park brake, remove ignition key, and wait for all moving parts to stop before servicing, adjusting, repairing, or unplugging.
6. Make sure all guards are in place and properly secured when maintenance work is completed.
7. Before applying pressure to a hydraulic system, make sure all lines, fittings, and couplers are tight and in good condition.
8. Relieve pressure from hydraulic circuit before servicing or disconnecting from tractor.
9. Keep hands, feet, hair, and clothing away from moving or rotating parts.
10. Clear the area of bystanders, especially small children, when carrying out any maintenance and repairs or making any adjustments.



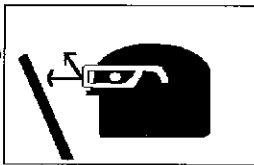
HYDRAULIC SAFETY

1. Make sure that all components in the hydraulic system are kept in good condition and are clean.
2. Replace any worn, cut, abraded, flattened, or crimped hoses and metal lines.
3. Relieve pressure before working on hydraulic system.
4. Do not attempt any makeshift repairs to the hydraulic lines, fittings, or hoses by using tape, clamps, or cements. The hydraulic system operates under extremely high-pressure. Such repairs will fail suddenly and create a hazardous and unsafe condition.

5. Wear proper hand and eye protection when searching for a high-pressure hydraulic leak.



Use a piece of wood or cardboard as a backstop instead of hands to isolate and identify a leak.



6. If injured by a concentrated high-pressure stream of hydraulic fluid, seek medical attention immediately. Serious infection or toxic reaction can develop from hydraulic fluid piercing the skin surface.
7. Before applying pressure to the system, make sure all components are tight and that lines, hoses, and couplings are not damaged.

- Think SAFETY! Work SAFELY!

TRANSPORT SAFETY

1. Make sure you are in compliance with all local regulations regarding transporting equipment on public roads and highways.
2. Make sure the SMV (Slow Moving Vehicle) emblem and all the lights and reflectors that are required by the local highway and transport authorities are in place, are clean, and can be seen clearly by all overtaking and oncoming traffic.
3. Do not allow anyone to ride on the Bean Rod or tractor during transport.
4. Do not exceed 32 km/h (20 mph). Reduce speed on rough roads and surfaces.
5. Always use hazard flashers on the tractor when transporting unless prohibited by law.

STORAGE SAFETY

1. Store the unit in an area away from human activity.
2. Do not permit children to play on or around the stored machine.
3. Store the unit in a dry, level area. Support the base with planks if required.

TIRE SAFETY

1. Failure to follow proper procedures when mounting a tire on a wheel or rim can produce an explosion which may result in serious injury or death.
2. Do not attempt to mount a tire unless you have the proper equipment and experience to do the job.
3. Have a qualified tire dealer or repair service perform required tire maintenance.

SAFETY DECALS

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

How to Install Safety Decals:

- Be sure that the installation area is clean and dry.
- Decide on the exact position before you remove the backing paper.
- Remove the smallest portion of the split backing paper.
- Align the decal over the specified area and carefully press the small portion with the exposed sticky backing in place.
- Slowly peel back the remaining paper and carefully smooth the remaining portion of the decal in place.
- Small air pockets can be pierced with a pin and smoothed out using the piece of decal backing paper.

SIGN-OFF FORM

Harriston Industries follows the general Safety Standards specified by the American Society of Agricultural Engineers (ASAE) and the Occupational Safety and Health Administration (OSHA). Anyone who will be operating and/or maintaining the Bean Rod must read and clearly understand ALL Safety, Operating, and Maintenance information presented in this manual.

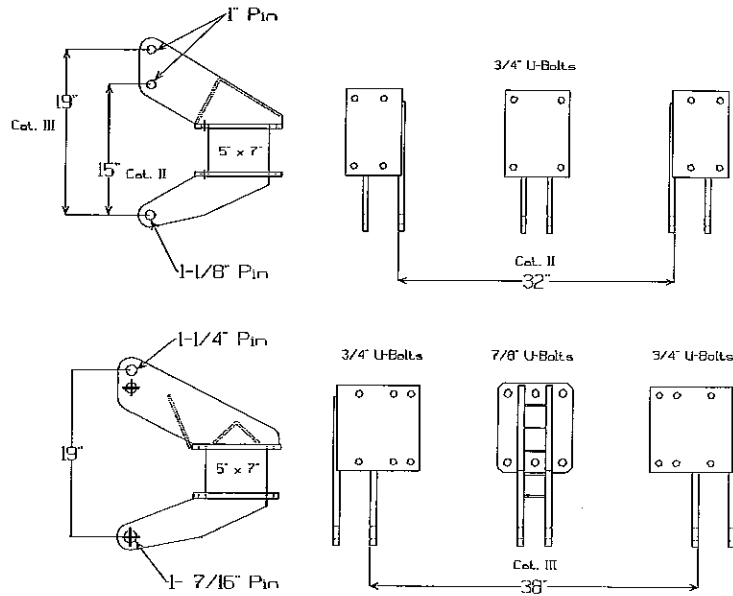
Do not operate or allow anyone else to operate this equipment until such information has been reviewed. Annually review this information before the season start-up.

Make these periodic reviews of SAFETY and OPERATION a standard practice for all of your equipment. We feel that an untrained operator is unqualified to operate this machine.

A sign-off sheet is provided for your record keeping to show that all personnel who will be working with the equipment have read and understand the information in the Operator's Manual and have been instructed in the operation of the equipment.

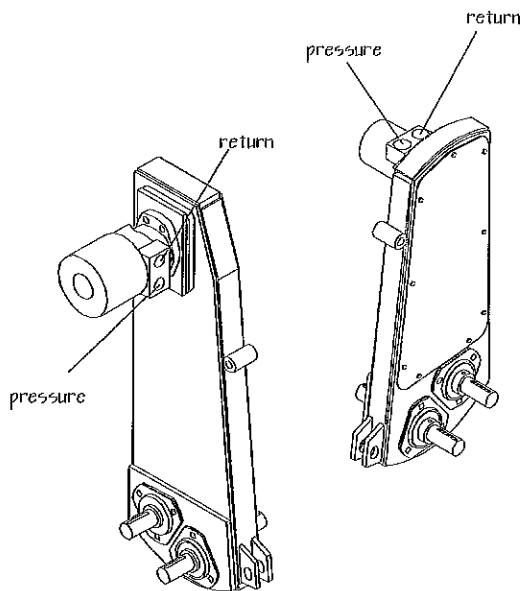
SIGN-OFF FORM

DATE	EMPLOYEES SIGNATURE	EMPLOYERS SIGNATURE



Regular Bean rods use the 3 point brackets shown in the top drawing. These can be used as Cat. II or Cat. III as shown in the drawing.

Heavy duty bean rods are equipped with 3 point brackets that are for Category III 3 points only. These brackets are shown in the bottom drawings. The center bracket uses 7/8" U-bolts and a 1-1/4" pin.



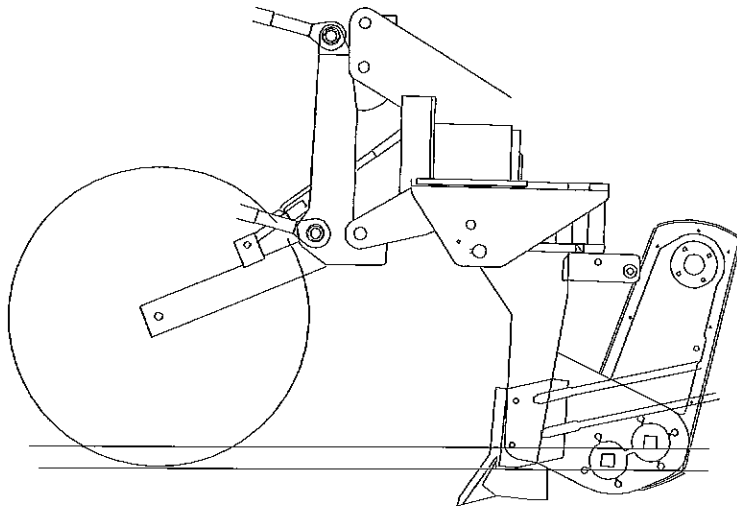
The hydraulic motor will run either direction, depending upon the port to which pressure is supplied at the motor. Position the hydraulic control lever to rotate rods clockwise as viewed from the left side of the machine.

The regular rod motor requires 12 gallons per minute and 1500-2000 PSI.

Add lubricant (0 Grade Corn Head Grease) by removing the air vent on side of gearbox on the short gearbox or the vent at the top on the long gearbox. Use approximately 1/2 tube or 7 ounces. Replace the lubricant seasonally. **Note: Gearboxes are shipped without lubricant from the factory.** Use the oil level plug near the top shaft to check the oil.

The chain should be checked for tension, by removing the side cover. Adjust tension by loosening the lock nut and adjusting the set screw on outside of gearbox. Be careful not to over tighten the chain with set screw.

Warning - Lower machine to ground, place all controls in neutral, stop tractor engine, and wait for all moving parts to stop before servicing, adjusting, repairing, or unplugging rods.



Note: Rods should always be straight to prevent damage to gearbox bearings.

Field conditions will determine ground speed. Typical speeds are from 4 to 6 mph.

The depth of bottom rod is controlled by adjusting the gauge wheels and should be set deep enough to prevent wrapping. Ideally this will be just below ground level. Keep rod as shallow as possible without wrapping. Running rod too deep may cause damage, and beans may carry more dirt.

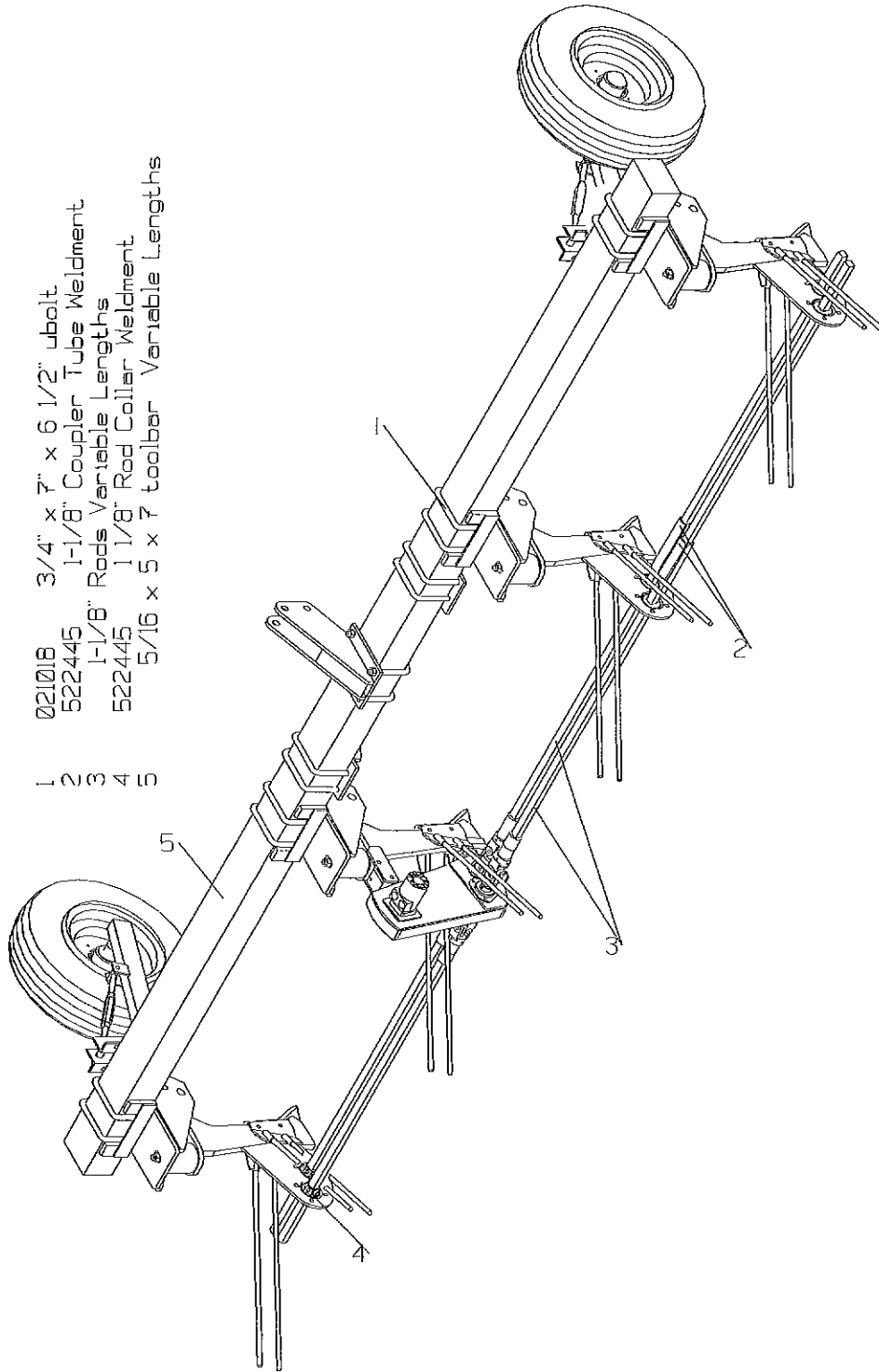
The top rod is adjusted by the upper 3 point arm. Adjust arm in or out to change the pitch on the top rod. Setting the top rod higher will allow more dirt to shake out of the beans.

Daily Operation: Check for bent rods, check set screws on couplers, and for bearing failure in gearbox.

If using a quick-hitch, bushings may be necessary to make pins fit quick hitch.

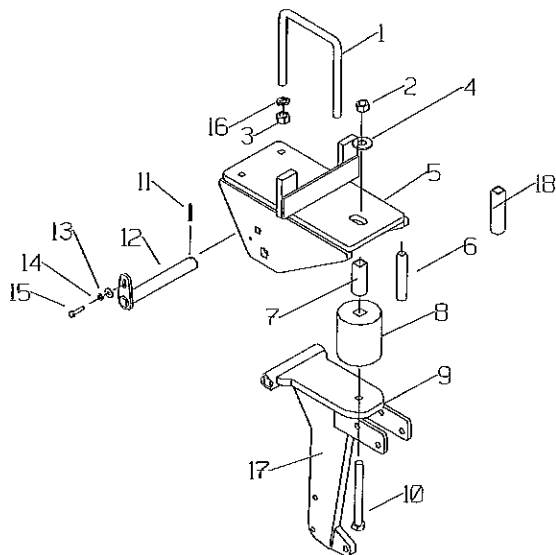
Harriston Rods are standard with point shoes for rock free conditions. Rock shoes are also available, however they may not penetrate soil as good as the point shoes. These shoes have an alloy point that is welded to shoe. If replacing alloy point both parts are preheated to approximately 300° F. If arc welding use 308-18 rod @ 150 amps for the Gen Byf model and for the Gen 16 model use a 7018 low hydrogen with low amperage.

1998 C-Shank Bean Rod

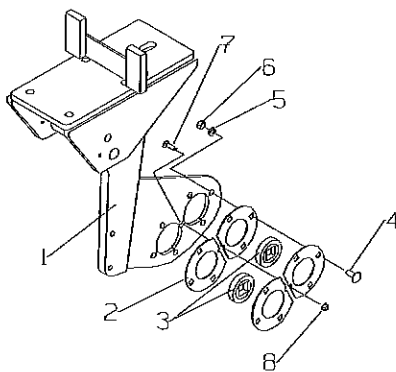


- 021018 3/4" x 7" x 6 1/2" ubolt.
- 522445 1-1/8" Coupler Tube Weldment
- 1-1/8" Rods Variable Lengths
- 522445 1 1/8" Rod Collar Weldment.
- 5/16 x 5 x 7 toolbar Variable Lengths

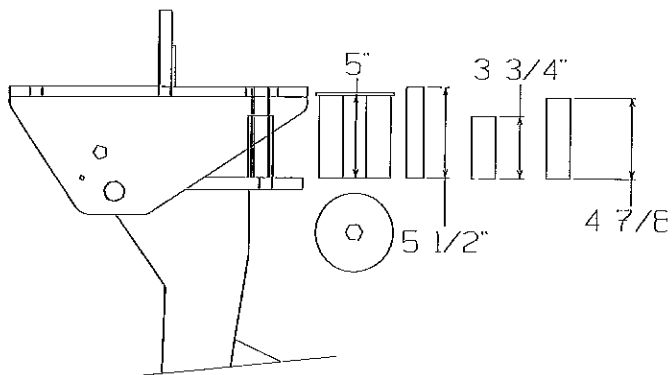
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2
3
4
5

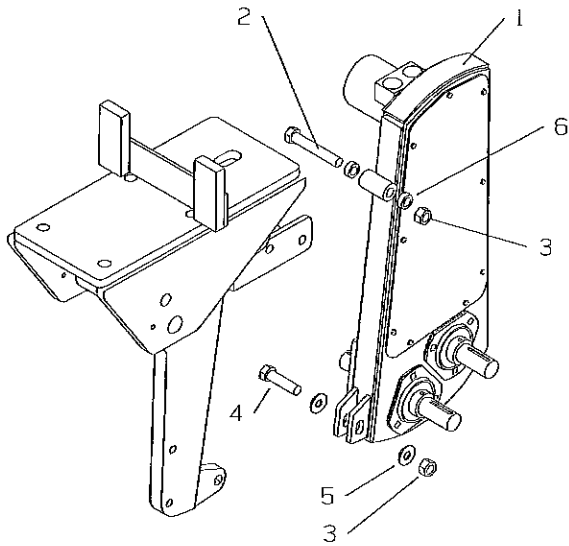


- | | | |
|-----------|--------|--------------------------------|
| 1 | 021018 | 3/4 x 7 x 6 1/2 U-bolt |
| 2 | 020428 | 3/4" Lock Nut |
| 3 | 020407 | 3/4" Nut |
| 4 | 020517 | 3/4" Flat Washer |
| 5 | 525110 | Bumper Standard Mount Weldment |
| 6 | 525109 | Standard Guide Pipe |
| 7 | 525108 | Standard Stop Tube |
| 8 | 090119 | Rubber Cushion |
| 9 | 525160 | Bumper Pad Gearbox Standard |
| 10 | 020090 | 3/4" x 7" Bolt |
| 11 | 202965 | 1/4" x 2" Spring Lock Pin |
| 12 | 525140 | Standard Mount Pin Weldment |
| 13 | 020513 | 3/8" Flat Washer |
| 14 | 080004 | 3/8" lock Washer |
| 15 | 020029 | 3/8" x 1" Bolt |
| 16 | 020507 | 3/4" Lock Washer |
| 17 | 525160 | Bumper Pad Gearbox Standard |
| 18 | 525107 | No Flex Spacer Pipe |
| Not Shown | 525106 | Cushion Standard Washer |

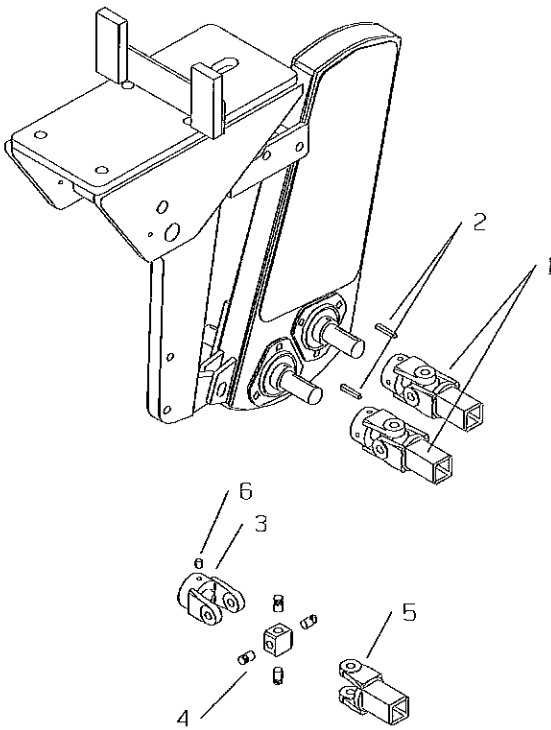


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|---|--------|-----------------------------|
| 1 | 525170 | Bumper Pad Standard |
| 2 | 521900 | Rod Flangette |
| 3 | 095039 | 1 1/8" Square Bearing |
| 4 | 020686 | 1/2" x 1 1/4" Carriage Bolt |
| 5 | 020504 | 1/2" Lock Washer |
| 6 | 020404 | 1/2" Nut |
| 7 | 020632 | 3/8" x 1 1/4" Carriage Bolt |
| 8 | 020471 | 3/8" Flange Nut |

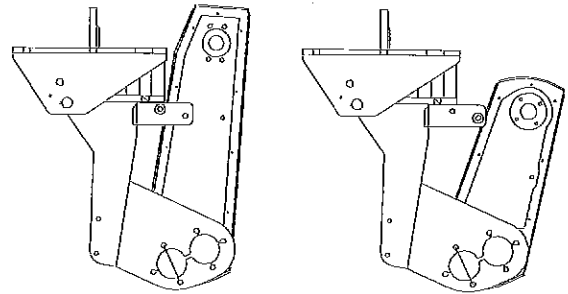


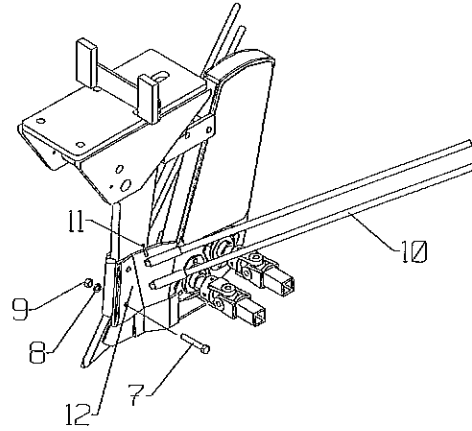
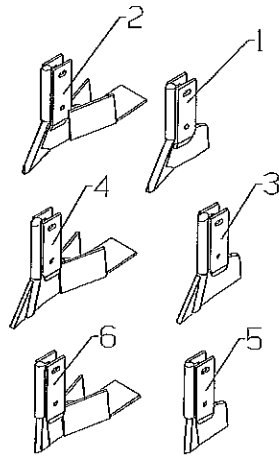


- 1 522320 Gearcase Assy. Short 1998
- 2 020063 5/8" x 4 1/2" bolt
- 3 020427 5/8" Lock Nut
- 4 020066 5/8" x 2 1/2" Bolt
- 5 020536 5/8" Flat Washer
- 6 522283 Gearbox Spacer 1995



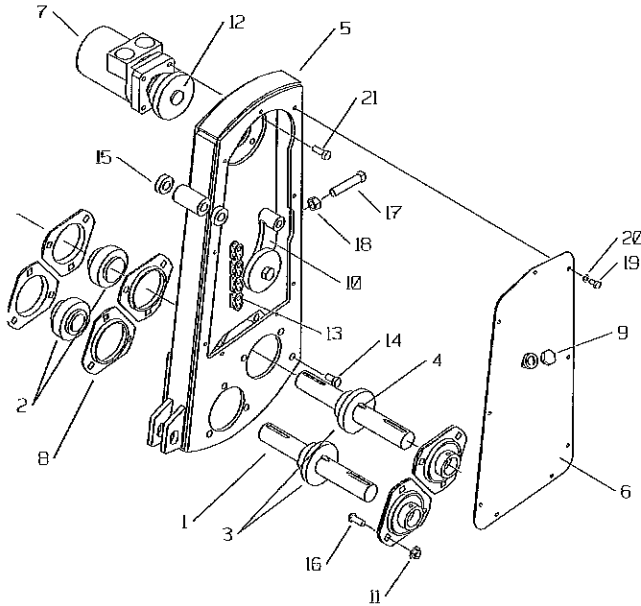
- 1 522550 Complete U-Joint Assy 1999
- 2 521507 1/4" Key- 1 5/8" Long
- 3 522482 U-Joint Yoke Drilled/Tapped
- 4 090116 Pin & Block Assembly
- 5 522560 U-Joint Yoke Welded 1999
- 6 021416 3/8" x 1/2" Allen Head Set Screw





- 1 522800 1999 Shoe w alloy point
- 2 522810 1999 Gbox Shoe w alloy point
- 3 522820 1999 Shoe w AR point
- 4 522830 1999 Gbox shoe w/ AR point
- 5 522840 1999 Rock Shoe w/ Alloy point
- 6 522850 1999 Rock Gbox Shoe w/ Alloy point

- 7 020056 1/2" x 3" Bolt
- 8 020504 1/2" Lock Washer
- 9 020404 1/2" Nut
- 10 520398 Shoe Rod with Hole 1997
- 11 020965 1/4" x 1 1/2" Spring Lock Pin
- 12 522650 Divider Mount Weldment Left
522655 Divider Mount Weldment Right

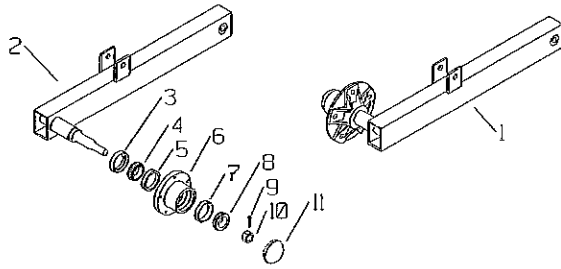


522320 Gearcase Assembly Short 1998

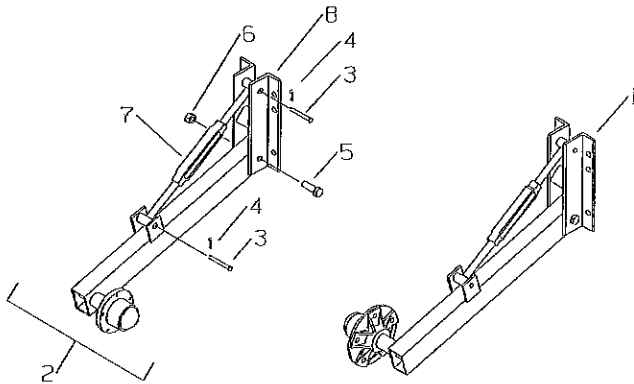
Lubricant - 1/2 tube of Corn Head Grease

- 1 521510 Gearcase Shaft 1999 8 1/2" long
- 2 095040 1 1/4 Triple Seal Self Align Bearing
- 3 081176 6011 x 1 1/4" Fin Bore Sprocket
- 4 521506 1/4" Key - 1 1/4" Long
- 5 522285 Gearbox Weldment 1995
- 6 522275 Gearbox Cover Weldment
- 7 090103 Orbital Motor MG061313CCCB
- 8 521905 Gearbox Flangette
- 9 090107 BPC-375 Breather 3/8" NPTF
- 10 522265 Idler Arm w/ Sprocket
090065 6011 x 1/2" Idler
521600 Idler Arm

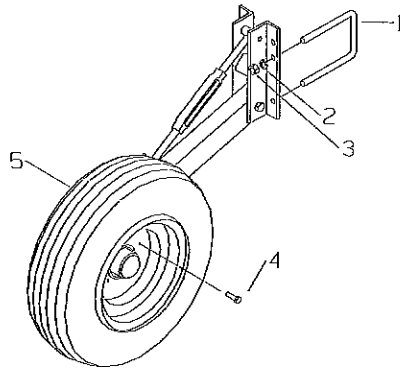
- 11 020471 3/8" Flange Nut
- 12 081179 6012 x 1" Fin Bore Sprocket
- 13 522281 Gearbox Chain 1995
- 095049 #60 connector Link
- 14 020028 3/8" x 3/4" Bolt
- 15 522283 Gearbox Spacer 1995
- 16 0201045 3/8" x 1" Buttonhead bolt
- 17 021364 1/2" x 2 1/2" Sq. Hd. Set Screw
- 18 020404 1/2" Nut
- 19 020000 1/4" x 1/2" Bolt
- 20 020500 1/4" Lock Washer
- 21 020902 3/8" x 1" Socket Hd Cap Screw



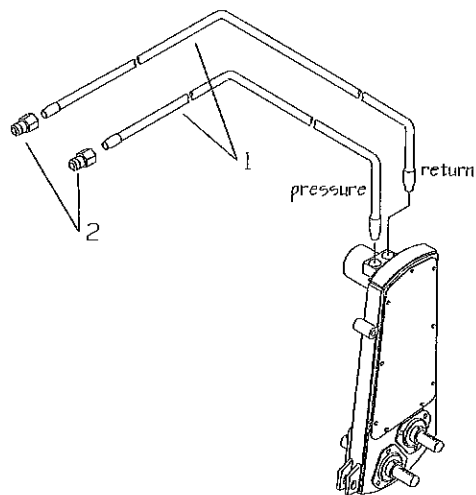
- 1 225310 Right Rod Gauge Wheel Arm
- 2 225210 Left Gauge Wheel Arm
- 3 095025 SE-11 Seal
- 4 095020 Tapered Baring LM67048 Cone
- 5 095069 Bearing Cup LM67010
- 6 090012 HA 511 Hub with Cup
- 7 095070 Bearing Cup 3/4" LM11910
- 8 095019 Tapered Bearing LM 11949 Cone
- 9 020827 5/32 x 1" Cotter Pin
- 10 090009 1.625 x 10 Spindle with Nut
- 11 090113 DC12 Dust Cap (Planter)



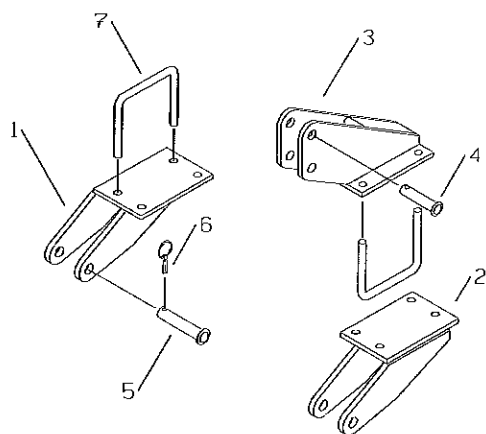
- 1 225500 Right Gauge Wheel Assembly
- 2 225600 Left Gauge Wheel Assembly
- 3 020896 5/8" x 3" Clevis Pin
- 4 020913 .120 Bridge Pin
- 5 020068 5/8" x 3 1/2" bolt
- 6 020427 5/8" Centerlock Nut
- 7 220400 Gauge Wheel Adj. Turnbuckle
- 8 225400 Gauge Wheel Angle Mount



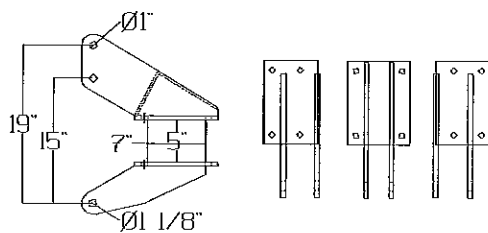
- 1 021012 5/8" x 5" x 8 1/2" U-bolt
- 2 020506 5/8" Lock Washer
- 3 020406 5/8" Nut
- 4 021400 WB10 Wheel bolt
- 5 223700 Tire Rim Assembly

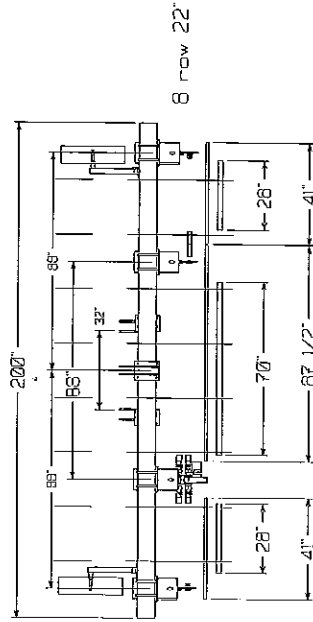
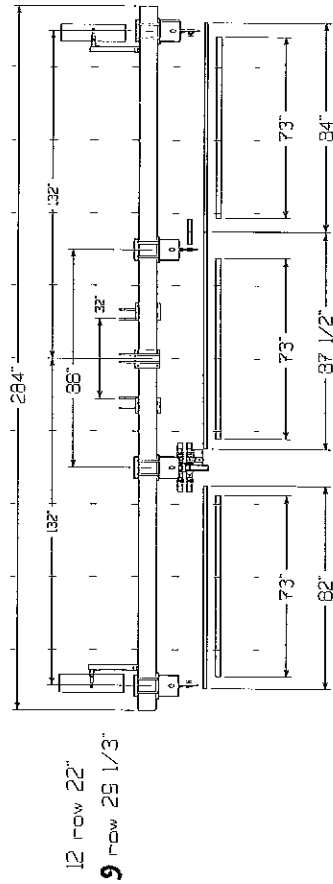
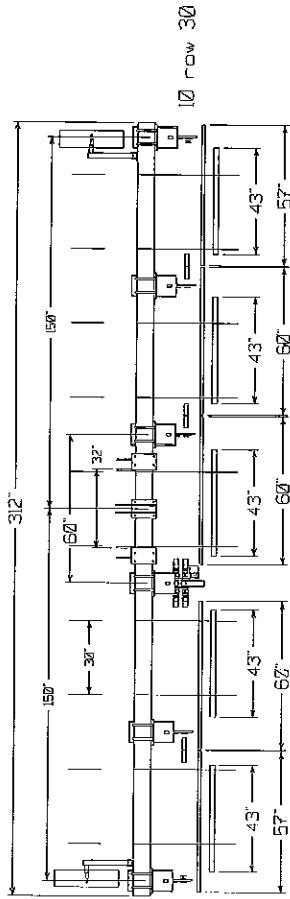
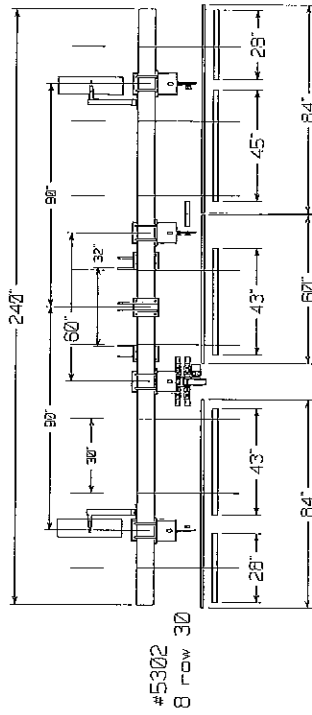
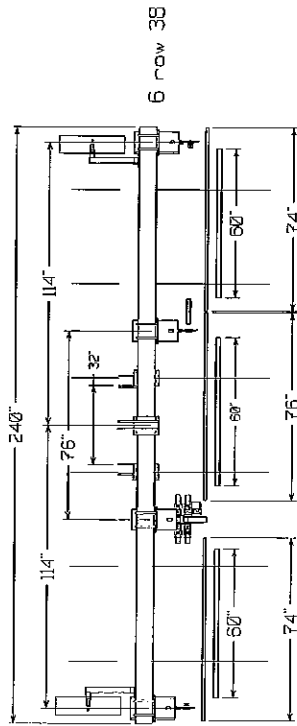
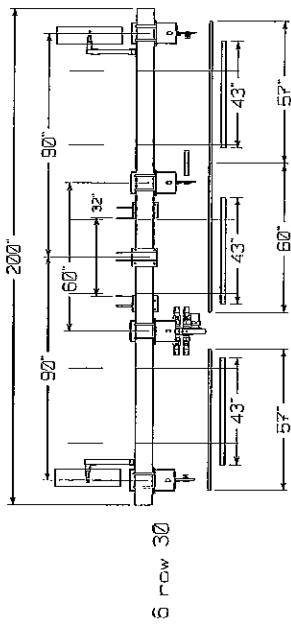


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|---|--------|-------------------------------------|
| 1 | 521800 | 84" Hydraulic Hose |
| | 095007 | 1/2" - 1/2" IPT Solid Male Hose End |
| | 095277 | ORB (3/4-16) 1/2" Hose End |
| 2 | 095195 | S71-15P Male Tip 3/4"-16 |



- | | | |
|---|--------|---------------------------|
| 1 | 220720 | Lower 3 pt Hitch Left |
| 2 | 220620 | Lower 3 pt Hitch Right |
| 3 | 220520 | Long Top 3 pt |
| 4 | 220900 | Top 3 pt Pin |
| 5 | 220800 | Lower 3 pt Pin |
| 6 | 095032 | 7/16" Lynch Pin |
| 7 | 021018 | 3/4" x 7" x 6 1/2" U-bolt |





1-1/8" CR Square Rod 1045

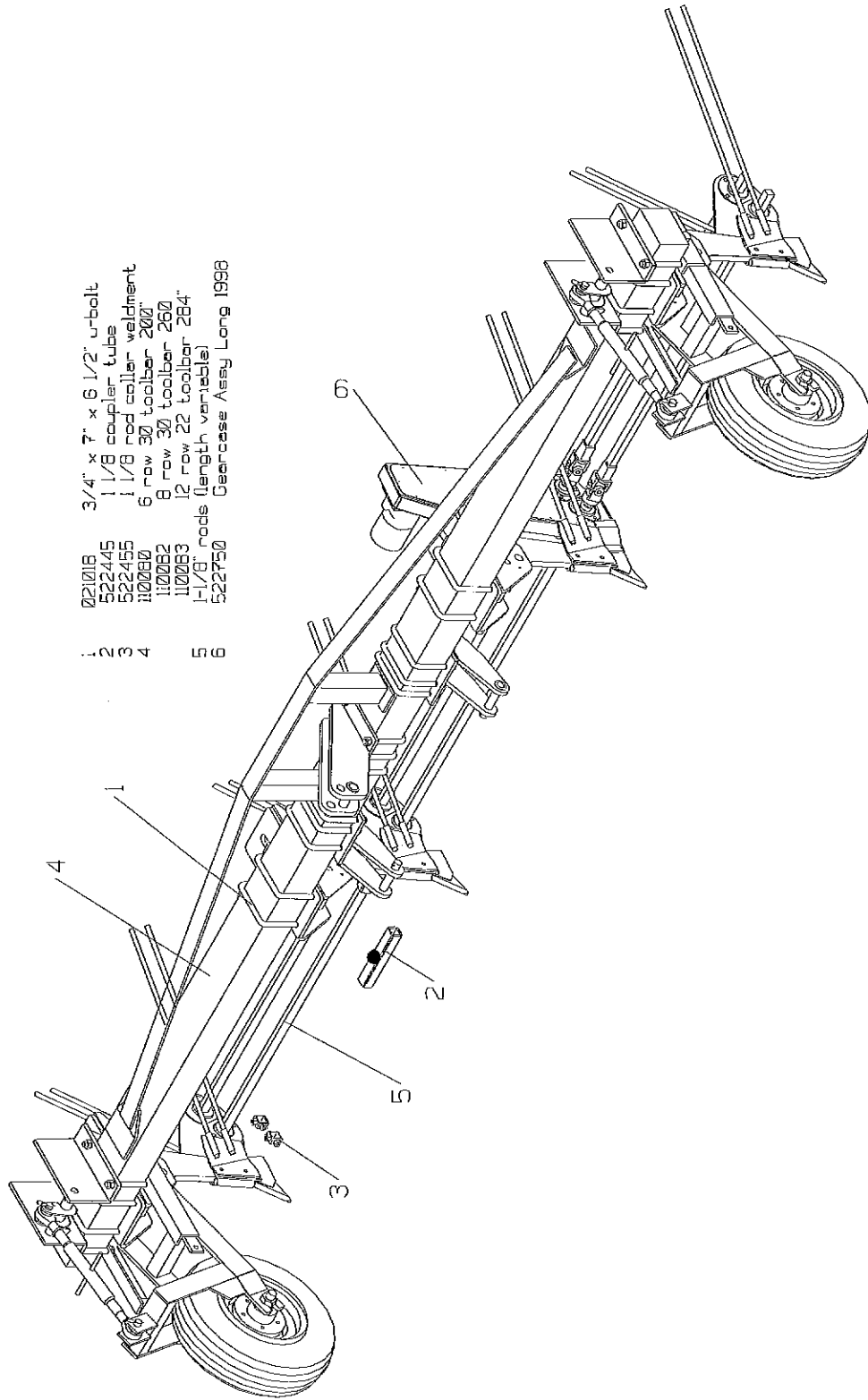
522401	41" Rod - 1 1/8" square rod
522402	60" Rod - 1 1/8" square rod
522403	76" Rod - 1 1/8" square rod
522404	87 1/2" Rod - 1 1/8" square rod
522405	60 1/2" Rod - 1 1/8" square rod
522910	42 1/2" Rod - 1 1/8" square rod
522924	45" Rod - 1 1/8" square rod
522911	47 1/2" Rod - 1 1/8" square rod
522912	37" Rod - 1 1/8" square rod
522913	53" Rod - 1 1/8" square rod
522914	61" Rod - 1 1/8" square rod
522915	69" Rod - 1 1/8" square rod
522916	82" Rod - 1 1/8" square rod
522917	91" Rod - 1 1/8" square rod
522923	57" rod - 1 1/8" square rod
522927	62" Rod - 1 1/8" square rod
522929	74" Rod - 1 1/8" square rod
522931	78" Rod - 1 1/8" square rod
522918	84" Rod - 1 1/8" square rod
522933	86 1/2" Rod - 1 1/8" square rod
522935	89 1/2" Rod - 1 1/8" square rod

Square Tube for 1 1/8" Top Rod

522955	2" Sq Tube for 1 1/8" (45" lg)
522957	2" Sq Tube for 1 1/8" (49" lg)
522960	2" Sq Tube for 1 1/8" (28" lg)
522962	2" Sq Tube for 1 1/8" (31" lg)
522964	2" Sq Tube for 1 1/8" (36" lg)
522967	2" Sq Tube for 1 1/8" (43" lg)
522970	2" Sq Tube for 1 1/8" (47" lg)
522973	2" Sq Tube for 1 1/8" (60" lg)
522976	2" Sq Tube for 1 1/8" (65" lg)
522980	2" Sq Tube for 1 1/8" (70" lg)
522983	2" Sq Tube for 1 1/8" (73" lg)
522985	2" Sq Tube for 1 1/8" (77" lg)

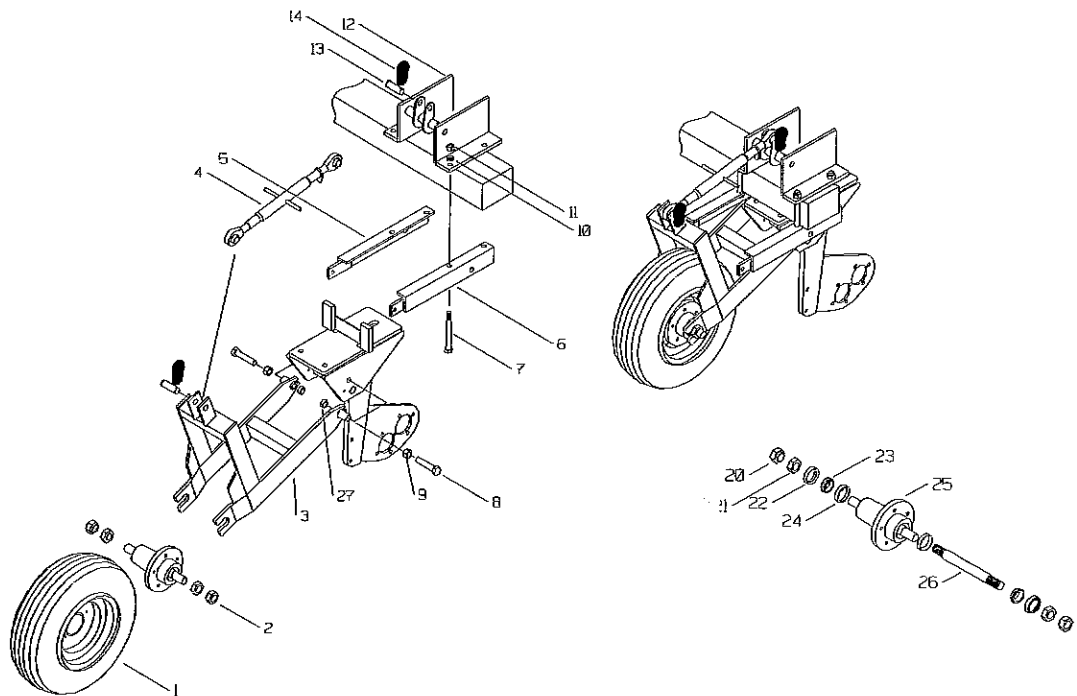
1 1/2" Black Pipe Schedule 10

522988	1 1/2" Black Pipe (s10) 28" lg
522989	1 1/2" Black Pipe (s10) 31" lg
522990	1 1/2" Black Pipe (s10) 36" lg
522991	1 1/2" Black Pipe (s10) 43" lg
522992	1 1/2" Black Pipe (s10) 45" lg
522993	1 1/2" Black Pipe (s10) 47" lg
522994	1 1/2" Black Pipe (s10) 49" lg
522995	1 1/2" Black Pipe (s10) 60" lg
522996	1 1/2" Black Pipe (s10) 65" lg
522997	1 1/2" Black Pipe (s10) 70" lg
522998	1 1/2" Black Pipe (s10) 73" lg
522999	1 1/2" Black Pipe (s10) 77" lg

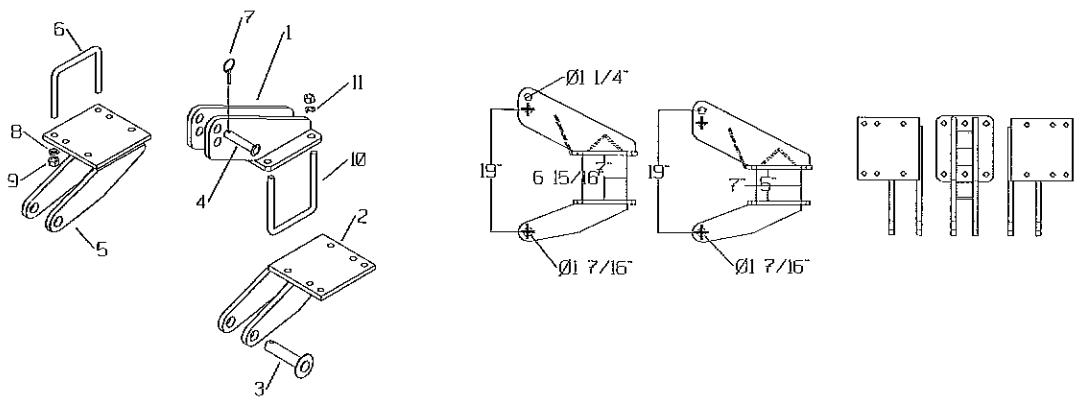


- Ø21018 3/4" x 7" x 6 1/2" u-bolt
- 522445 1 1/8 coupler tube
- 522455 1 1/8 rod collar weldment
- 110080 6 row 30 toolbar 200"
- 110082 8 row 30 toolbar 260"
- 110083 12 row 22 toolbar 264"
- 1-1/8" rods (length variable)
- 522750 Gearcase Assy Long 1998

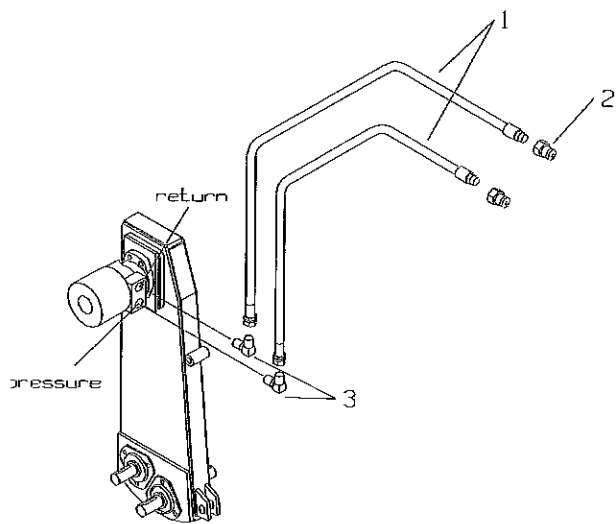
- 1
- 2
- 3
- 4
- 5
- 6



1	223710	Tire Wheel Assembly	12	561625	Windrower Toolbar Mount Weldment
2	127600	Spindle Assembly	13	020898	1" x 3" Cylinder Pin
3	561630	Gauge Wheel Yoke Weldment	14	020915	3/16" Hair Pin
4	096200	Turnbuckle with eyeball			
5	562515	Wheel Mount Weldment Right	20	127660	Shoulder Nut
6	562510	Wheel Mount Weldment Left	21	020461	1 1/4" NF Jam Nut
7	020090	3/4" x 7" bolt	22	095086	SE 13 Oil Seal CR17617
8	020032	7/8" x 4 1/2" bolt	23	095094	Cone Bearing 14136A
9	020429	7/8" Lock Nut	24		
10	020507	3/4" Lock Washer	25	090003	Double Yoke Hub w/ Cup HA 520
11	020090	3/4" Nut	26	090004	Spindle Double Yoke 1 3/8" x 11"
			27	525104	HD Gauge Wheel Spacer

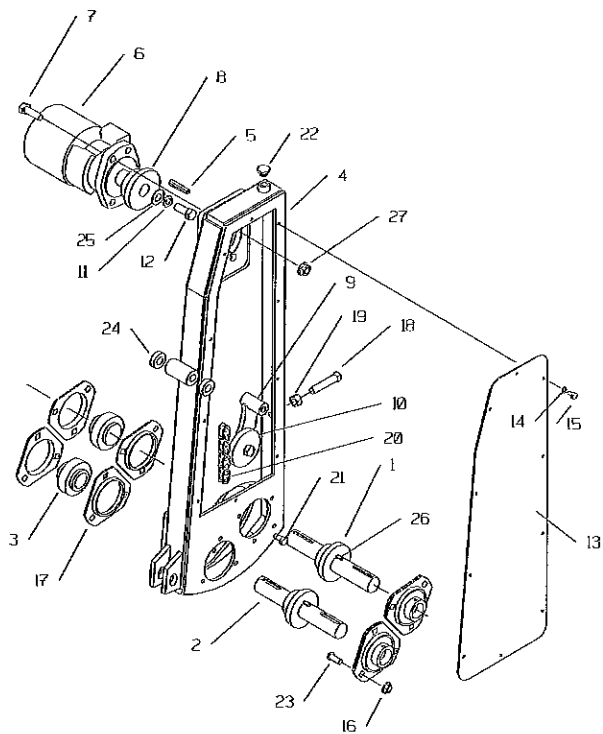


1	228680	Top 3 pt Cat. III (7/8" U-bolt)	7	095032	7/16" Lynch Pin
2	228605	Lower Right Cat. III Weldment	8	020507	3/4" Lock Washer
3	228400	Cat. III Bottom 3 pt Pin	9	020407	3/4" Nut
4	095263	Top Link Cat. III	10	021030	7/8" x 7" x 7" U-bolt
5	228600	Lower Left Cat. III Weldment	11	020508	7/8" Lock Washer
6	021018	3/4" x 7" x 6 1/2" U-bolt	12	020408	7/8" Nut

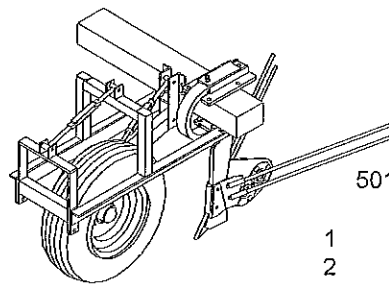
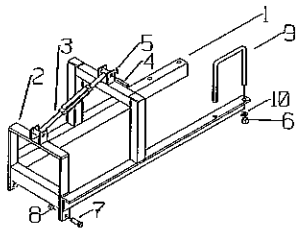


- | | | |
|---|--------|-------------------------------------|
| 1 | 565502 | Rod Hose (JIC - ORB) 6 row 30" |
| | 565503 | Rod Hose (JIC - ORB) 8 row 30" |
| | 565504 | Rod Hose (JIC -ORB) 12 row 22" |
| | 095275 | 7/8" -14 JIC Swivel Female 1/2 Hose |
| | 095277 | ORB (3/4-16) Solid 1/2" Hose End |
| 2 | 095195 | S71-15P Male tip 3/4-16 |
| 3 | 095273 | Male JIC - Male ORB 90° Elbow |

522750 Gearcase Assembly Long 1998

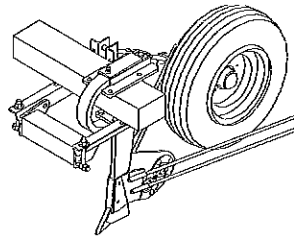
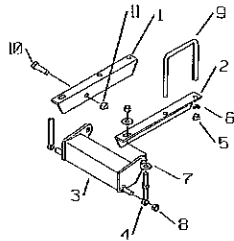
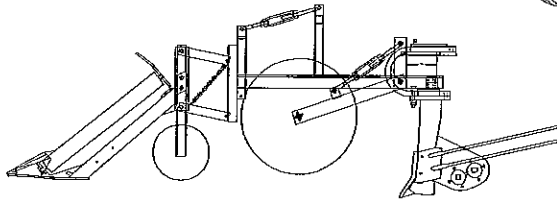


- | | | |
|----|--------|--------------------------------------|
| 1 | 081176 | 6011 x 1 1/4" Finished Bore Sprocket |
| 2 | 521510 | Gearcase Shaft 1998 8 1/2" |
| 3 | 95040 | 1 1/4 Triple Seal Self Align |
| 4 | 522710 | Long Gearbox Weldment |
| 5 | 522702 | 1/4" to 5/16" Key 1 3/4" long |
| 6 | 095226 | 1998 Rod Motor ME120103AAAA |
| 7 | 020052 | 1/2" x 1 1/2" Bolt |
| 8 | 081180 | 6012 x 1 1/4" Fin Bore Sprocket |
| 9 | 522265 | Idler Arm w Sprocket |
| | 521600 | Idler Arm |
| 10 | 090065 | 6011 x 1/2" Idler Sprocket |
| 11 | 020504 | 1/2" Lock Washer |
| 12 | 020118 | 1/2" x 1 1/4" Bolt |
| 13 | 522731 | Long Gearbox Cover Fabbed |
| 14 | 020500 | 1/4" Lock Washer |
| 15 | 020000 | 1/4" x 1/2" Bolt |
| 16 | 020471 | 3/8" Flange Nut |
| 17 | 521905 | Gearbox Flangette |
| 18 | 021364 | 1/2" x 2 1/2" sq hd Set Screw |
| 19 | 020404 | 1/2" Nut |
| 20 | 522701 | Long Gearbox Chain |
| | 095049 | #60 Connector Link |
| 21 | 020028 | 3/8" x 3/4" Bolt |
| 22 | 090107 | BPC-375 Breather 3/8" NPTF |
| 23 | 020145 | 3/8" x 1" Button Head Bolt |
| 24 | 522283 | Gearbox Spacer |
| 25 | 021312 | 5/8" Narrow 18 Ga. Bushing |
| 26 | 521506 | 1/4" Key 1 1/4" Long |

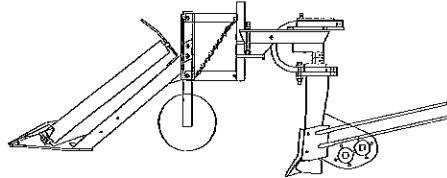


501670 Divider Mount Long Bean Rod

- | | | |
|----|--------|---------------------------|
| 1 | 501680 | Row Divider Frame |
| 2 | 501675 | Divider Mount Weldment |
| 3 | 220400 | Gauge Wheel Turnbuckle |
| 4 | 020896 | 5/8" x 3" Clevis Pin |
| 5 | 020913 | .120 Bridge Pin |
| 6 | 020407 | 3/4" Nut |
| 7 | 020064 | 5/8" x 1 1/2" Bolt |
| 8 | 020427 | 5/8" Center Lock Nut |
| 9 | 021018 | 3/4" x 7" x 6 1/2" U-bolt |
| 10 | 020507 | 3/4" Lock Washer |

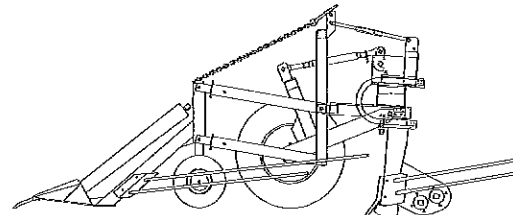
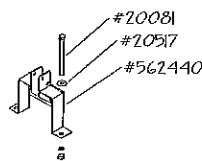
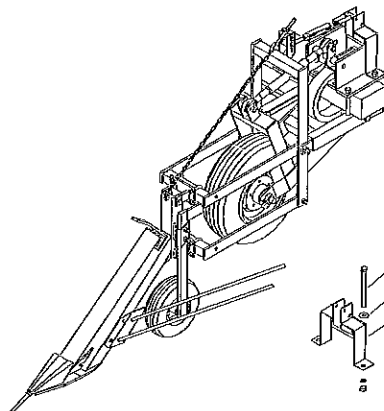


- | | | |
|----|--------|---------------------------|
| 1 | 501775 | Mount Angle Right |
| 2 | 501770 | Mount Angle Left |
| 3 | 501765 | Adjuster Tube Weldment |
| 4 | 501780 | Adjuster Rod |
| 5 | 020407 | 3/4" Nut |
| 6 | 020507 | 3/4" Lock Washer |
| 7 | 020517 | 3/4" Flat Washer |
| 8 | 020428 | 3/4" Lock Nut |
| 9 | 021018 | 3/4" x 7" x 6 1/2" U-bolt |
| 10 | 020102 | 7/8" x 2 1/2" bolt |
| 11 | 020429 | 7/8" Lock Nut |
| 12 | 501760 | Short Divider Mount / Rod |



#5680 Divider Package Pair
Heavy Duty Rods Only

Does not include #562440



Harriston

INDUSTRIES.

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