

Ezee-On

MODEL 395 TANDEM DISC

OWNER'S MANUAL

c/w

ASSEMBLY INSTRUCTIONS

and

PARTS LIST

Manufactured by

Ezee-On Mfg. Ltd.

**Vegreville, Alberta
Canada**

Printed in Canada

724G

EZEE-ON MANUFACTURING

Limited Warranty Policy

Ezee-On Manufacturing's products are warranted to the original non-commercial purchaser to be free from defects in material and workmanship for a minimum period of twelve (12) months from the original date of purchase.

Ezee-On Manufacturing's obligation under this warranty shall be limited to the repair or exchange, at Ezee-On's option, free of charge to the original purchaser, any part or component that, in our judgment, shows evidence of such defect. Further, that such part shall be returned within thirty (30) days from date of failure to Ezee-On Manufacturing, routed through the dealer and distributor from whom the equipment was purchased, **transportation charges prepaid**.

This warranty shall not be interpreted to render Ezee-On Manufacturing liable for injury or damages of any kind or nature to person or property. This warranty does not include claims for, or extend to the loss or damage of crops, loss because of delay in seeding/ planting or harvesting, or any expense or loss incurred for labor, substitute machinery, rental, transportation expense or for any other reason.

Except as set forth above, Ezee-On Manufacturing shall have no obligation or liability of any kind on account of any of its equipment and shall not be liable for special or consequential damages. Ezee-On Manufacturing makes no other warranty, expressed or implied, and, specifically, Ezee-On Manufacturing Disclaims any implied warranty or merchantability or fitness for a particular purpose. The purchaser is solely responsible for determining suitability of Ezee-On equipment purchased. This warranty is subject to any existing conditions of supply, which may directly affect our ability to obtain materials or manufacture replacement parts.

Ezee-On reserves the right to make improvements in the design of products and/or changes in specifications at any time, without incurring any obligation to owners of units previously sold. No one other than Ezee-On Manufacturing is authorized to alter, modify or enlarge this warranty.

Genuine Ezee-On replacement parts and components will be warranted for 90 days from date of purchase, or the remainder of the original equipment warranty period, whichever is longer.

Under no circumstances will this warranty cover any merchandise or components thereof, which, in the opinion of the Company, has been subjected to misuse, unauthorized modifications, alteration, an accident or if repairs have been made with parts other than those obtainable through Ezee-On Manufacturing.

Commercial Use: Warranty for commercial, rental or custom use of any Ezee-On product is limited to 90 days, parts and labor.

Twelve Months Warranty:

All Ezee-On manufactured products are warranted for twelve consecutive months from the date of delivery of the new Ezee-On product to the original non-commercial purchaser.

- 1-12 Months: 100% parts and labor coverage

Extended Coverage Limited Warranty (24 additional months):

Air Drills, Coulter Drills, Air Carts, Cultivators, Chisel Plows, Offset and Tandem Discs and Post Drivers carry limited extended warranty. Ezee-On Manufacturing's obligations under this extended warranty coverage shall be limited to repair or exchange, at Ezee-On Manufacturing's option, for the original, non-commercial owner:

- 13-24 Months: 100% Ezee-On manufactured components only, NO labour – see below for description
- 25-36 Months: 50% Ezee-On manufactured components only, NO labour – see below for description

Ezee-On manufactured components are, but not limited to: frames, axles, hitches, castor assemblies, packers, turnbuckles, rockshafts, packer frames, packers – steel, tanks – air cart seed and fertilizer tanks, seed cups, metering rollers.

NON Ezee-On manufactured components are, but not limited to: Monitors, tires, rims, bearings, hydraulics: motors, pumps, controls, cylinders, hoses and valves; sprockets, chain, rubber packer wheel tires, polyurethane wheel mounted packers, coulter blades, shanks, springs, bolts, pulleys, air hoses, sweeps, spikes, spoons, seals, power wheels, hitch jacks, hubs and wheels.

The Company in no way warrants engines, batteries, coulter assemblies, rubber tires, or other trade accessories since these items are warranted separately by their respective manufacturers.

T2-215 Bearing Extended Coverage Limited Warranty:

Seven year limited warranty: Extended coverage (13-84 months) on T2-215 Series bearing is limited to the replacement of ball bearings and seals for the original, non-commercial owner. Associated bearing parts, labor, freight, etc., are not covered.

Warranty Limitations and/ or Exclusions:

1. Buckets & bucket tines, bale spears & tines, grapple tines, pallet forks, shanks, all ground engaging tools, Disc openers and Disc blades, air seeder hose and normal wear parts/ items carry NO warranty.
2. There is no warranty coverage if parts or attachments, other than those made or marketed by Ezee-On Manufacturing have been used in connection with the unit, and in the sole judgment of Ezee-On, such use affects its performance or reliability.
3. If the equipment has been altered or repaired in a manner which, in the sole judgment of Ezee-On, affects its performance, stability or reliability.
4. The purchaser shall be responsible for dealer travel time to the machine or to deliver the machine to the dealer's service shop for repair. Ezee-On Manufacturing does not cover delivery charges or travel time.

This warranty policy is subject to change without prior written notice at Ezee-On Manufacturing's sole Discretion.

Revision: September 1, 2004

EZEE-ON MANUFACTURING

Warranty Registration Form

NOTE: Warranty reimbursement is contingent upon product registration. Please complete this form and forward by mail or fax to the address above.

OWNER'S NAME: _____

ADDRESS: _____

CITY: _____ STATE/ PROVINCE: _____

POSTAL/ ZIP CODE: _____

PHONE #: _____

EMAIL Address: _____

Model Purchased: _____

Serial Number: _____

Dealer's Name: _____

Dealer's Location: _____

I/ We acknowledge receipt of the Owner's manual for the above specified implement and acknowledge that the Owner's Manual contains the Limited Warranty Statement governing the implement purchased and also contains information vital to the proper and safe operation of this equipment.

Owner's Signature(s)

Date Signed

INTRODUCTION

THANK YOU for choosing to purchase this Ezee-On implement, we are confident you will be impressed with its performance.

In addition to the traditional values of simplicity, reliability and durability, your new EZEE-ON implement incorporates a number of operational and safety features. We urge you to familiarize yourself with the maintenance and operation of your implement by reading this Manual thoroughly and completely. Failure to do so could result in personal injury or equipment damage.

THIS MANUAL contains important information regarding assembly, maintenance, operating instructions, and troubleshooting problems, and should be considered a permanent part of your implement.

Remember that it is the responsibility of the Operator to ensure that the implement is field ready, prior to first operation. However, should you encounter a problem, please contact your dealer immediately.

EZEE-ON MFG. LTD. RESERVES THE RIGHT to make improvements in design and changes in specifications at any time without notice and without incurring any obligation to install them on units previously sold. Specifications, descriptions, and illustrative material herein are as accurate as known at time of publication, but are subject to change without notice.

READ THIS BOOK CAREFULLY TO ENSURE THAT YOUR NEW IMPLEMENT IS ASSEMBLED AND ADJUSTED CORRECTLY PRIOR TO FIRST OPERATION.



RIGHT and LEFT is determined by standing behind the machine and facing FORWARD, in the direction of travel.



This symbol is used to identify safety messages. When you see this symbol, read the safety message carefully.

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SPECIFICATIONS

MODEL NO.	CUTTING WIDTH	NO. OF BLADES	SPACING	NO. OF WHEELS	211 SERIES GANG BEARING
398-34B	11-1/2' (3.5m)	34	8" (203mm)	2	8
398-38B	13' (3.9m)	38	8" (203mm)	2	12
398-42B	14-1/2' (4.4m)	42	8" (203mm)	2	12
398-46B	16' (4.9m)	46	8" (203mm)	4	12
398-50B	17' (5.2m)	50	8" (203mm)	4	12
398-54B	18-1/2' (5.6m)	54	8" (203mm)	4	12
398-58B	20' (6.0m)	58	8" (203mm)	4	12
399-30B	11-1/2' (3.5m)	30	9" (230mm)	2	8
399-34B	13' (3.9m)	34	9" (230mm)	2	8
399-38B	14-1/2' (4.4m)	38	9" (230mm)	2	12
399-42B	16-1/2' (5.0m)	42	9" (230mm)	4	12
399-46B	18' (5.5m)	46	9" (230mm)	4	12
399-50B	19-1/2' (5.9m)	50	9" (230mm)	4	12

Tire Size/Pressure 11-1/2' to 14-1/2' Sizes – 7.60 x 15 6 PR – 40 lbs (276 KPa)
 16' to 20' Sizes – 11L x 15 – 45 lbs (311 KPa)

Gang Bearings - 211 Series (standard)

Front and Rear gang angle – 20 to 23 degrees

Bolt torques: Gang bolts – (1-15/16" diameter) – 3200 ft lbs (4336 N.m)
 Bearing hanger U-bolt – (5/8" diameter) – 150 ft. lbs (203.25 N.m)
 Wheel nuts – 5 bolt wheel – (1/2" diameter) - 85ft lbs (115 N.m)
 Wheel bolts – 6 bolt wheel – (9/16" diameter) – 150 ft lbs (203.25 N.m)

SAFETY RECOMMENDATIONS



WATCH FOR THIS SYMBOL. IT IDENTIFIES IMPORTANT SAFETY MESSAGES. WHEN YOU SEE THIS SYMBOL, READ THIS SAFETY MESSAGE CAREFULLY.

GENERAL SAFETY

1. Never allow anyone to ride on the tractor drawbar, or on the Disc. The person(s) riding may fall and be seriously or fatally injured.
2. Disc should be operated **ONLY** by persons responsible and qualified to do so.
3. Never allow anyone to climb or play on the tractor or Disc. They may fall and be seriously injured.
4. Follow all safety precautions in your tractor manual.
5. Keep a First Aid Kit in the tractor at all times.

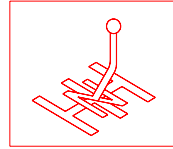


ASSEMBLY SAFETY

1. When assembling Disc, use aligning punch to line up holes. Keep fingers out of holes. Any sudden movement of heavy components will severely injure or sever your fingers.
2. Use adequate manpower or hoist to lift the heavy components into place. Attempting to lift heavy components by yourself could cause serious injury.
3. Be sure all bolts and hydraulic fittings are tight, and all cotter pins are installed in the slotted nuts and pins.
4. Support the main frame securely before assembling the components. Inadequate support may result in the heavy components falling and causing serious injury to you or person(s) nearby.
5. Be sure all wheel bolts are checked for tightness during initial transport or when first Discing. Loose wheel bolts may result in the wheel falling off, causing serious damage to the Disc and may cause serious injury to the operator or person(s) nearby.
6. Hydraulic oil escaping under pressure has sufficient force to cause serious injury. Relieve pressure in all hydraulic components before Disconnecting any hydraulic components. Before applying pressure to hydraulic system, be sure all connections are tight and components are not damaged. If injured by escaping hydraulic fluid, see a medical doctor immediately.
7. When attaching gang assemblies, wear protective gloves to prevent injury from cutting edges of blades.
8. Before applying pressure to the hydraulic system, be sure all connections are tight and the components are not damaged.

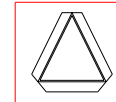
MAINTENANCE SAFETY

1. Do not loosen or disassemble hydraulic components when there is pressure within those components. Hydraulic components under pressure may cause parts and hydraulic fluid to fly out at a high velocity, which could cause serious injury. Always relieve the pressure in the hydraulic system before making adjustments to the hydraulic system. If injured by escaping hydraulic fluid, see a medical doctor immediately.
2. Check all hydraulic hoses periodically for signs of ruptures and leaks. Always use wood or cardboard as a backstop, and wear gloves and eye protection when searching the hydraulic system for leaks. Spurting hydraulic fluid can cause injury if it penetrates the skin or the eyes. If injured by escaping hydraulic fluid, see a medical doctor immediately.
3. Always relieve the pressure in the hydraulic system when the Disc is not being operated.
4. Always permit parts which contain hot fluid to cool to a safe temperature before handling or Disconnecting these parts.
5. Always wear safety glasses or goggles and gloves when working on the hydraulic system.
6. Lower the Disc to the ground when servicing or making adjustments. If the Disc must be serviced in the raised position, place blocks under frame. Do not rely on hydraulics lock up valves as a safety device. If the hydraulic system failed, or if the hydraulic lever was accidentally operated, the Disc could drop.
7. Do not lubricate Disc while it is in motion. You may fall in front of Disc and be seriously or fatally injured.
8. Always place all tractor controls in neutral and lock brakes when hitching Disc to tractor. Tractor could roll backwards when hitching Disc.

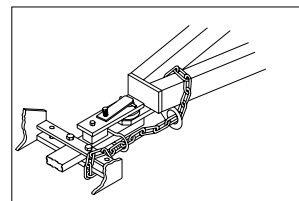


TRANSPORT SAFETY

1. When trailing the Disc over public roads, use the SMV emblem and warning light for protection of tractor and other motor vehicle operators. Check local laws for width and height maximums.
2. When transporting Disc always lock rockshaft by engaging lockup strap. See Section 8 on page 6. If any component of hydraulic system failed or if hydraulic lever was accidentally operated, disc could drop.
3. Do not exceed 10 mph (16 km/h) when transporting the Disc on smooth surfaces. Reduce speed when transporting on rough surfaces. Excessive speed could cause loss of tractor control and damage to Disc and tractor. Do not transport the Disc with any other vehicle except a tractor.



4. Always attach a safety chain to the tractor drawbar and the Disc hitch before transporting the Disc. Serious damage and injury could result from the Disc separating from the tractor drawbar.



5. Check all reflectors and visibility and cleanliness before transporting the Disc. It is important that the reflectors are clean and visible, especially during the evening hours.
6. Regulate your speed on hillsides and curves when transporting the Disc. Loss of tractor control could result in serious damage to the Disc and possible serious injury or death to you or those nearby.
7. Never allow anyone to ride on drawbar of the tractor or on the Disc. The person riding may fall and be seriously injured.

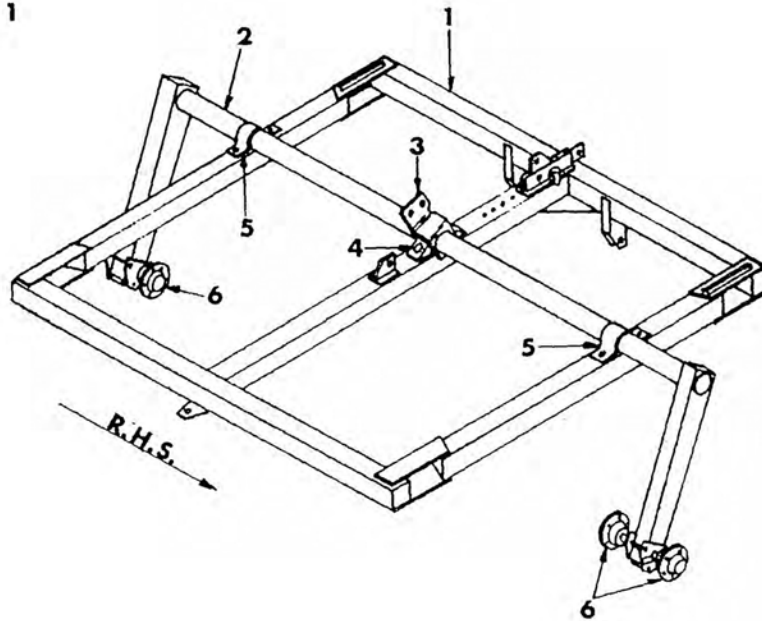
OPERATION SAFETY

1. Be sure person(s) are standing clear before starting or moving the tractor and Disc.
2. Only one (1) person (the operator) should be permitted on the tractor when the Disc is in operation, and he/she should be familiar with repair procedures and temporary first aid treatment.
3. Never stand between the tractor and Disc when hitching Disc to the tractor UNLESS all tractor controls are in neutral and the park brake is set. The tractor could roll backwards, which could result in serious injury or death to you or person(s) nearby.
4. When operating on hillsides, use extreme care. The tractor may tip over if it strikes a hole, ditch or other irregularity.

SAFETY DECALS

1. Keep all decals clean and in good condition to provide you with a constant reminder of safe operating procedures.
2. Replace any destroyed, missing or illegible decals.

ILL. 1

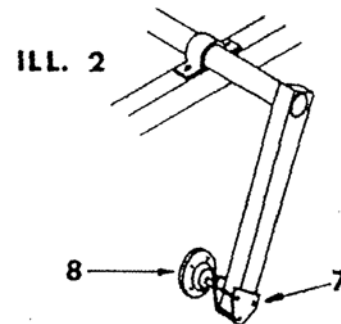


ASSEMBLY INSTRUCTIONS

1. See ILL. 1. Raise frame, arrow 1, approximately 30" (732mm) from ground and block securely.
2. See ILL. 2. Lay rockshaft, arrow 2, over frame. Position rockshaft so that cylinder arm, arrow 3, is on the right hand side of frame center beam. Fasten rockshaft to frame with 3 bearings, arrow 4 and 5, the center bearing, arrow 4, is reinforced with gussets. Bolt each bearing to frame with two (2) 3/4" x 5-1/2" (70mm x 140mm) bolts. Tighten bolts.

3. ATTACHING HUB ASSEMBLIES

- a) DUAL WHEELS — See ILL. 1. Fasten 2 hub assemblies, arrow 6, to bottom of each rockshaft wheel leg with three (3) 5/8" x 6" (92mm x 152mm) bolts. Tighten bolts.
- b) SINGLE WHEELS — See ILL. 2. For smaller Discs equipped with single wheels, the hub assembly, arrow 8, must be fastened to inside of each wheel leg. Fasten hub assembly to wheel with backing plate, arrow 7, and three (3) 5/8" x 6" (92mm x 152mm) bolts. Tighten bolts.



4. See ILL. 1. Install a grease fitting in bearings, arrow 4 and 5.

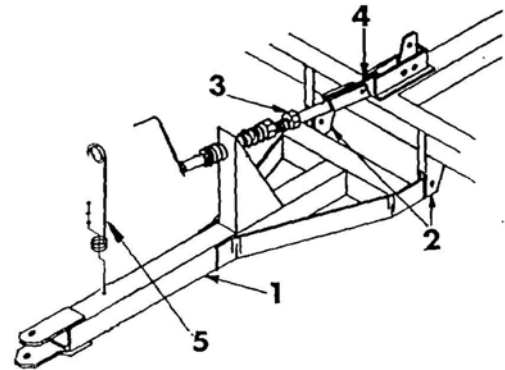


CAUTION: USE ADEQUATE MANPOWER OR A HOIST TO LIFT HEAVY COMPONENTS IN PLACE. ATTEMPTING TO LIFT HEAVY COMPONENTS BY YOURSELF COULD CAUSE SERIOUS INJURY.

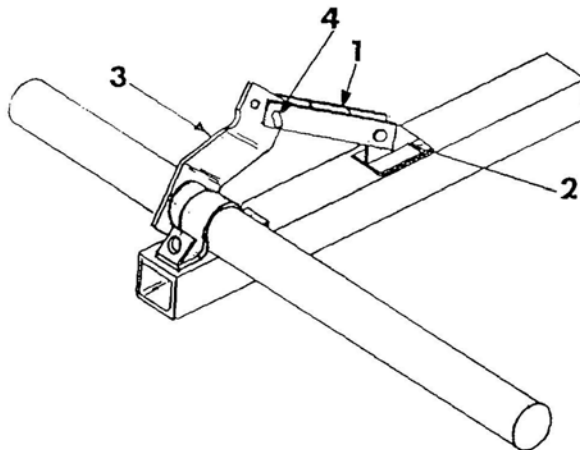
5. ATTACHING HITCH ASSEMBLY – SEE ILL. 3.

- a) Fasten hitch assembly, arrow 1, to frame hitch lugs, arrow 2, with two (2) 1" (25.4mm) diameter pins. Secure pin with cotter pins.
 - b) Fasten crank link, arrow 3, of hitch assembly to lug, arrow 4, at center of frame with one pin. Secure pin with cotter pin.
6. See ILL. 3. Fasten hose support, arrow 5, to bolt welded to top of hitch tongue with one (1) 11/16" (17mm) I.D. flatwasher, one (1) 5/8" (16mm) nut.
7. Bolt wheel and tire assembly to hub assemblies and tighten bolts.

ILL. 3



ILL. 4

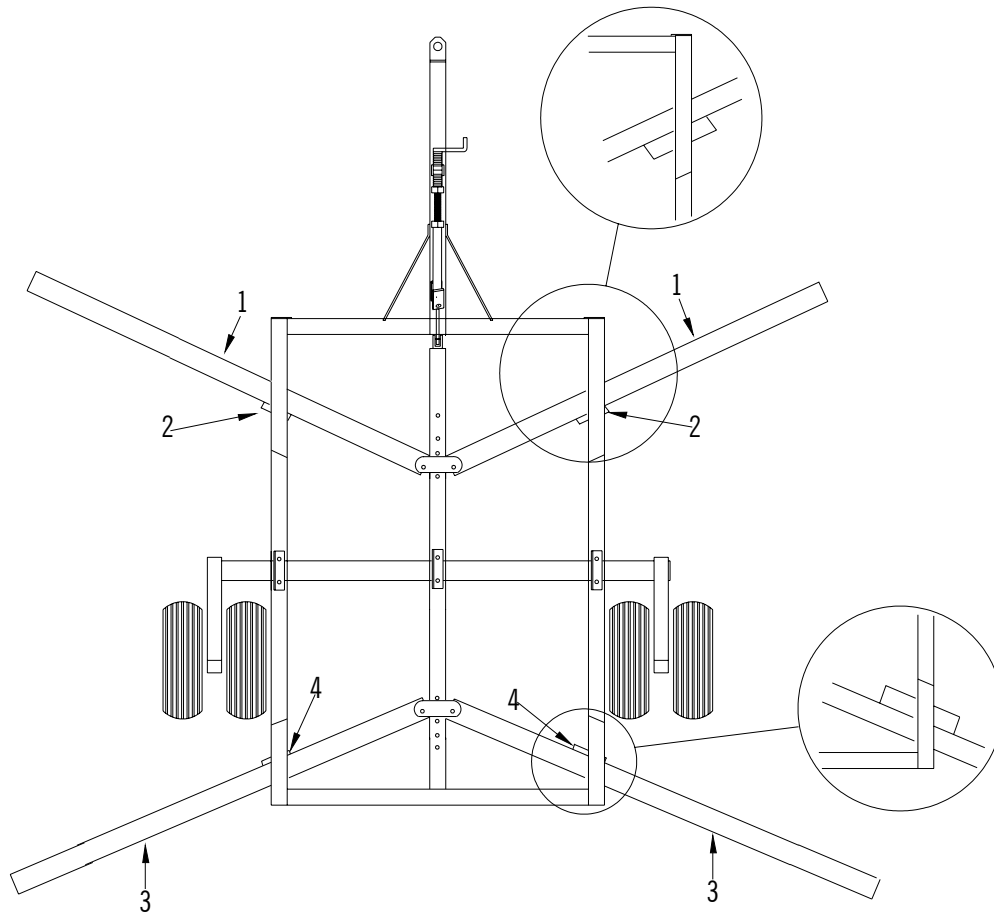


8. See ILL. 4. Fasten lock-up strap arrow 1, to lug, arrow 2, on frame with one (1) 1" x 3" (25mm x 76mm) bolt. Use round hole in lock-up strap to frame.
9. See ILL. 4. Raise frame on wheels and fasten lock-up, arrow 1, to rear hole in cylinder arm, arrow 3, with pin arrow 4. Secure pin with hair pin cotter. This will place the rockshaft in lock-up position.



CAUTION: SUPPORT MAIN FRAME AND WING FRAME SECURELY BEFORE ASSEMBLING COMPONENTS. HEAVY FRAME COULD CAUSE SERIOUS INJURY IF THEY FELL. WHEN ASSEMBLING DISC USE ALGNIING PUNCH TO LINE UP HOLES. KEEP FINGERS OUT OF HOLES.

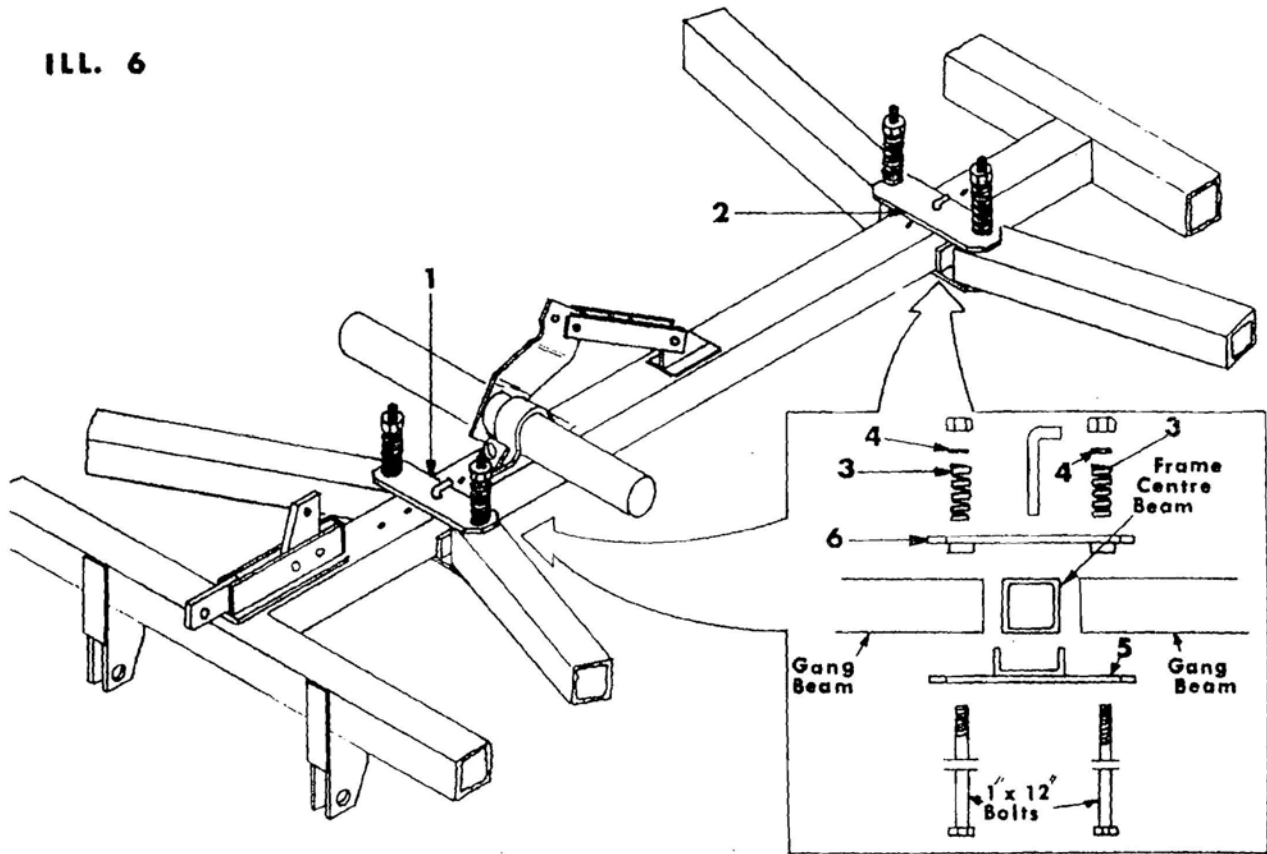
ILL. 5



NOTE: See Gang Beam Chart on Page 20 to determine gang beam lengths for the size of your Disc.

10. See ILL. 5. Install the 2 short gang beams, arrow 1, through the front side openings of frame. The front gang beams must be positioned so that the stabilizing bracket, arrow 2 (welded to each gang beam) is facing rear of Disc.
11. See ILL. 5. Install the 2 long gang beams, arrow 3, through the rear side openings of frame. The rear gang beams must be positioned so that the stabilizing bracket, arrow 4 (welded to each gang beam) is facing rear of Disc.

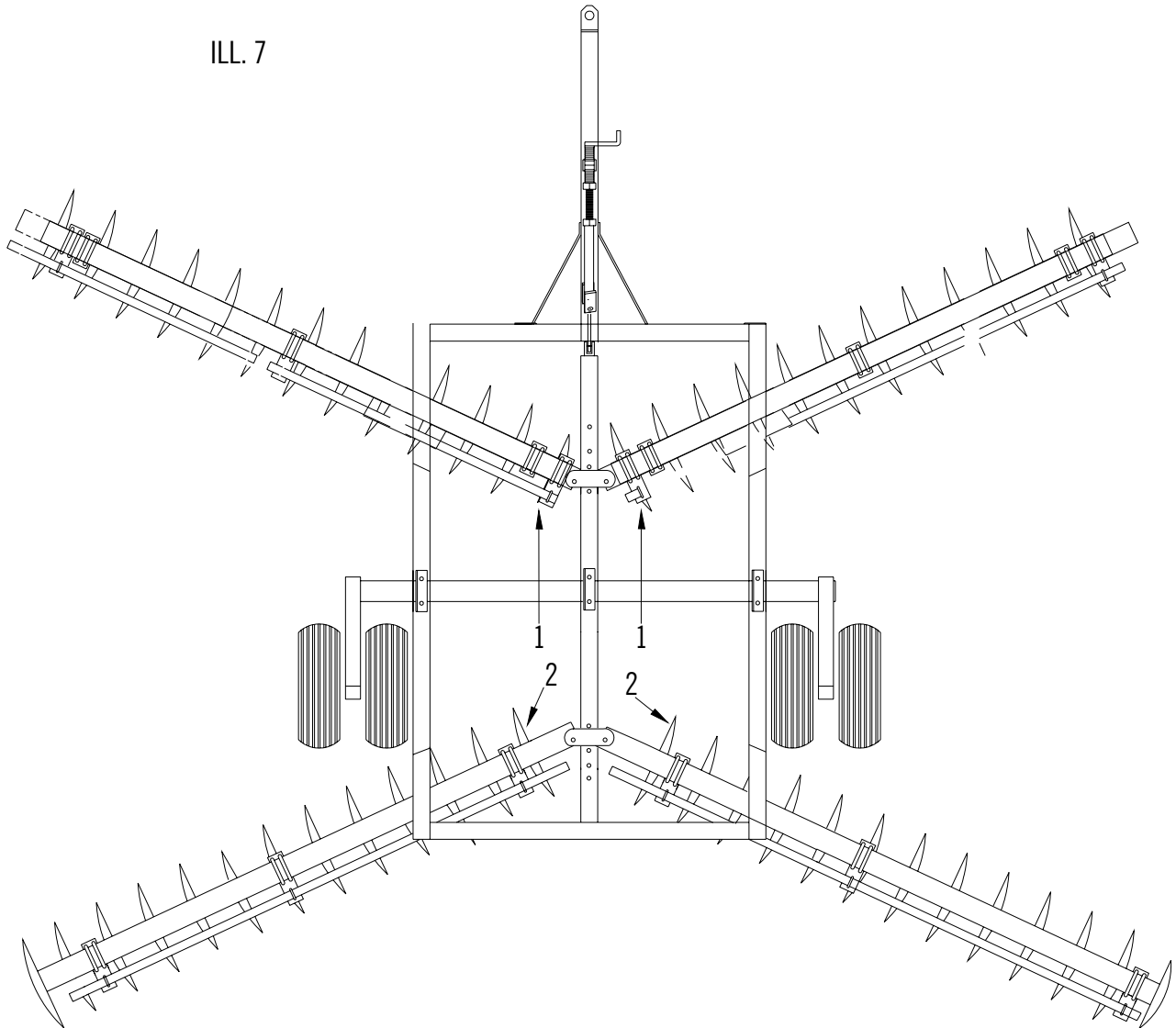
ILL. 6



12. See ILL. 6. Fasten one spring assembly, arrow 1 and 2, over each set of holes in center beam of frame. When fastening spring assembly to frame, place gang beams between top and bottom plate of spring assembly. Fasten each gang beam to spring assembly with one (1) 1" x 12" (25mm x 305mm) bolt. Install bolt from bottom of spring assembly.

Next place spring, arrow 3, over each 1" x 12" (25mm x 305mm) bolt. Then place washer arrow 4, over each spring and secure bolt with nut. Be sure spring assembly plate with weld-on channel, arrow 5, is located on bottom side of frame. Also be sure the top plate, arrow 6, of spring assembly is positioned with weld-on spacer facing down. Pin front spring assembly in third hole from rear. Pin rear spring assembly in third hole from front.

ILL. 7



13. ATTACHING GANG ASSEMBLIES – See ILL. 7.

NOTE: See Disc gang arrangements on pages 16 to 20, to determine proper gang arrangement for your Disc.

- a) Roll rear gang assemblies in place under rear gang beams. Position gangs as shown above. See Disc gang arrangement to determine which are the rear gangs.



CAUTION: ALWAYS PLACE TRACTOR CONTROLS IN NEUTRAL AND LOCK BRAKES WHEN HITCHING DISC TO TRACTOR. TRACTOR COULD ROLL BACKWARDS WHEN HITCHING DISC.

attaching gang assemblies continued:

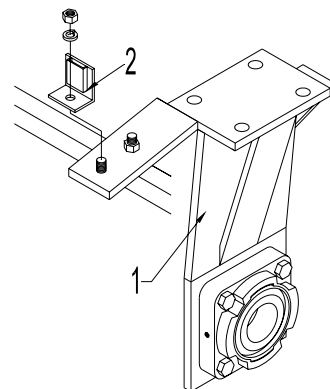
- b) To attach the rear gangs, jack up the front of Disc frame, pivoting frame on wheels until rear gang beams touch the gang bearing hangers. Fasten each bearing hanger to gang beam with two (2) U-bolts per bearing hanger. Leave U-bolts loose. Remove jack.
- c) Roll front gang assemblies in place under front gang beam, position gangs as shown above. See Disc gang arrangement to determine which are the front gangs.
To attach the front gangs, jack up rear of Disc frame, pivoting frame on wheels until front gang beams touch the gang bearing hangers. Fasten each bearing hanger to gang beam with two (2) U-bolts per bearing hanger. Leave U-bolts loose. Remove jack.
- d) See ILL. 7. Adjust front gangs so that the inside blade, arrow 1, of each gang, is as close as possible to the center of the Disc. If front gangs are positioned too far apart, the center ridge will be too large for the center tooth to remove.
- e) WING TYPE DISC ONLY – Adjust the spacing between gang assemblies. This spacing should be the same as the spacing the blades in the gang assemblies.
- f) IMPORTANT – Tighten the U-bolts of the outside bearing hanger of each gang first. Be sure the second and third hanger are sitting square with the gang beam before tightening U-bolts.
- NOTE: Scraper bar U-bolts may have to be loosened to square bearing hangers.

IF BEARING HANGERS ARE NOT SITTING SQUARE BEFORE TIGHTENING U-BOLTS, THRUST WILL BE BUILT INTO THE BEARINGS AND THE LIFE OF THE BEARING WILL BE SHORTENED.

14. See ILL. 8. VERY IMPORTANT
Loosen all the bolts which fasten the bearings to the bearing hangers, arrow 1. Turn the Disc blades to allow the bearings to align themselves. Tighten all bolts.

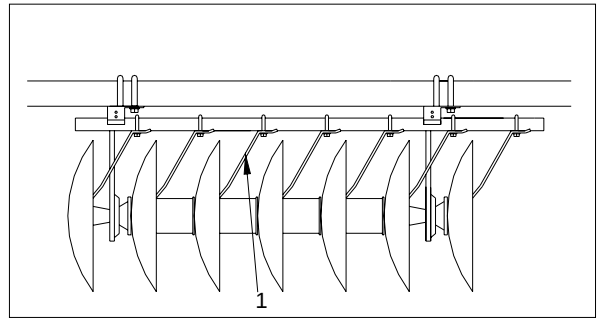
This will ensure proper bearing alignment, increasing bearing life.

ILL. 8



15. See ILL. 9. Adjust Disc scrapers, arrow 1, so that the scrapers are in contact with Disc blades.

ILL. 9



16. See ILL. 10. Clamp center tooth assembly, arrow 1 to side of center tube of frame with two (2) clamp plates and four (4) 5/8" x 7-1/2" (15.7mm x 191mm) bolts. Locate center tooth between lock-up lug and rockshaft. Clamp upright, arrow 2, of center tooth to left hand side of frame so that the point of shovel is on center of frame.

See ILL. 10 for height of center tooth for each side of blade.

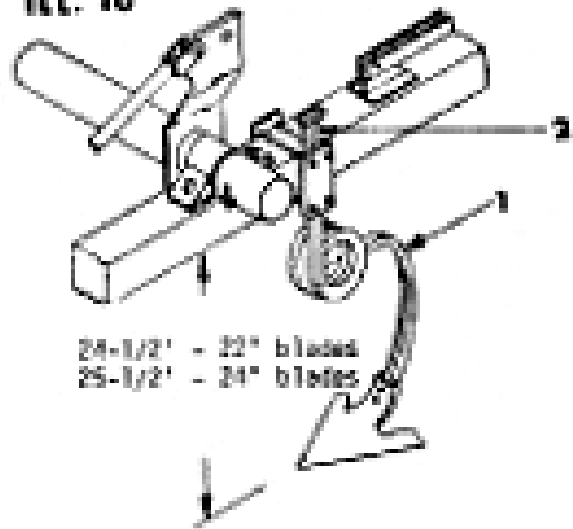
17. See ILL. 10. Assembly one (1) 3-1/2" x 8" (88.9mm x 203.2mm) hydraulic cylinder, arrow 3, to lug, arrow 4, and rockshaft arm, arrow 5. Secure each end of cylinder with one (1) 1" x 3-1/2" (25.4mm x 88.9mm) cylinder pin. Position cylinder with ports facing up. Secure each pin with one (1) cotter pin.

18. See ILL. 10. Install two (2) 1/2" (12.7mm) N.P.T. x 90 degree street elbow, arrow 6 and 7, in cylinder ports. After tightening, elbow should face front of disc.

19. See ILL. 10. Connect one (1) 1/2" x hydraulic hose, shaft end elbow, arrow 6. Connect one (1) 1/2" x hydraulic hose bottom port elbow, arrow 7.

20. See ILL. 10. Thread hydraulic hose through hose support at front of hitch.

ILL. 10



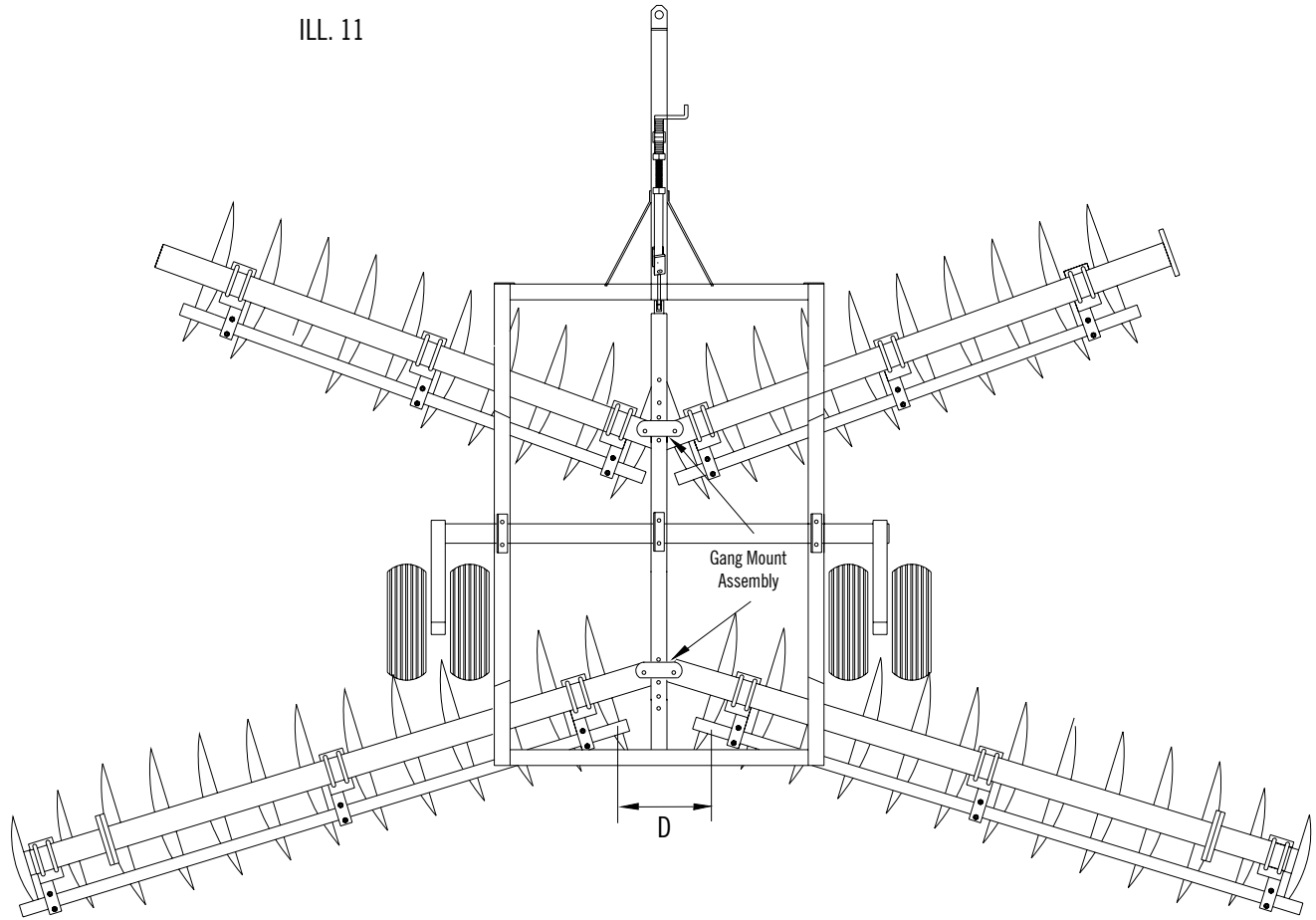
CAUTION:

DO NOT DISCONNECT HYDRAULICALLY OPERATING COMPONENTS WHEN THERE IS PRESSURE WITHIN THOSE COMPONENTS. HYDRAULIC COMPONENTS UNDER PRESSURE MAY CAUSE PARTS AND HYDRAULIC FLUID TO FLY OUT AT A HIGH VELOCITY, WHICH COULD CAUSE SERIOUS INJURY.

HYDRAULIC OIL ESCAPING UNDER PRESSURE HAS SUFFICIENT FORCE TO CAUSE SERIOUS INJURY.

CHECK HYDRAULIC HOSES PERIODICALLY FOR SIGNS OF RUPTURE.

ILL. 11



ADJUSTMENTS

1. See ILL. 11 The gang can be set at four (4) different angles. The gang angle adjustment holes in frame are arranged so that the rear gangs are set at 2 degrees less that the front gangs. For example, if front gangs are set in first hole from rear, and rear gangs are set in first hole from front, then the front gangs will have 2 degrees more angle that the rear gangs.

The angle the gangs are set at is determined by soil conditions. A field with hard soil will require more cutting angle to penetrate soil than a field with soft soil. If Disc pushes dirt instead of cutting through, less cutting angle is required.

To set angle remove center pin from gang mount assembly and select hole which will give desired angle and install center pin.



IMPORTANT:

EXCESSIVE GANG ANGLE WILL PUT ADDED PRESSURE ON THE GANGS AND WILL DECREASE THE LIFE OF BEARING BLADES, ETC. WHEN GANGS ARE SET AT AN EXCESSIVE ANGLE MORE HORSEPOWER IS REQUIRED TO PULL DISC.



CAUTION:

NEVER ALLOW ANYONE TO RIDE ON DRAWBAR OF THE TRACTOR OR ON THE DISC. THE PERSON RIDING MAY FALL AND BE SERIOUSLY INJURED

2. See ILL. 11. The distance the rear gangs are set apart “D”, is determined by the Discing speed, depth, angle and soil conditions.

The opening between the 2 rear gangs, “D” must be set at a distance that will allow furrow left by the front gangs to be filled evenly. If rear gangs are set too close together the rear gangs will leave a ridge at center. If rear gangs are set too far apart the furrow at center left by the front gangs will not be filled.

If gang angle is increased for deeper discing depth the rear gangs usually must be widened. If gang angle is decreased for a shallower discing depth, the rear gangs usually must be set closer together.

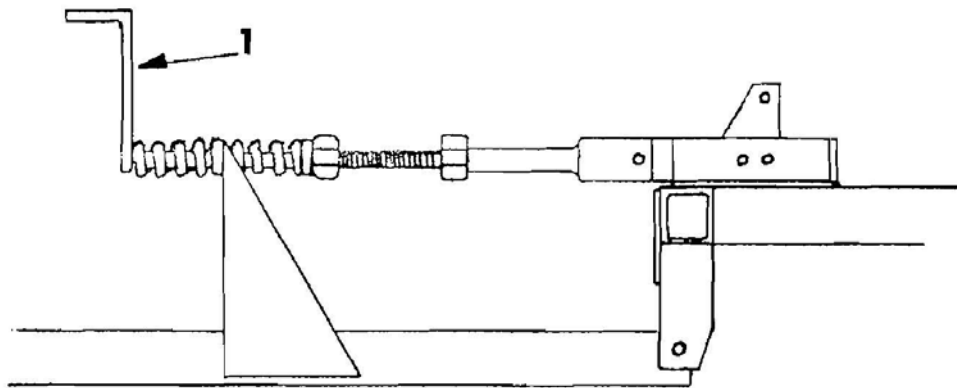
An increase in discing speed may require rear gangs to be set further apart. A decrease in discing speed may require rear gangs to be set closer together.

3. To start with, set rear gangs at distance equal to 2” (50.8mm) less than the diameter of Disc blades. For example, if your disc is equipped with 24” (610mm) blades, set opening at 22” (559mm). Then adjust disc to suit your discing requirements. See ILL. 12. Use the hitch crank, arrow 1, to level Disc so that the front and rear gangs are cutting at the same depth.

Ridging

may occur at the outside of front gang if front gangs are cutting too deep. If rear gangs are cutting too deep, rear gangs may leave a ridge at center of Disc.

ILL. 12



TROUBLE SHOOTING

1. If outside blades of front gangs are cutting too deep, causing Disc to ridge at outside the following adjustments can be made:

ILL. 13

- Using the leveling crank, raise front of Disc.
- See ILL. 13. If raising front of Disc does not cure the problem, place 3/8” (9.4mm) thick shim, arrow 1, between bottom of frame and bottom gang beam bracket, arrow 2, of front spring assembly. Also place a 3/8” (9.4mm) thick washer, arrow 3, between each front gang beam and top gang beam bracket, arrow 4. This will raise front outside disc blades.



CAUTION: WHEN OPERATING ON HILLSIDES USE EXTRA CARE. TRACTOR MAY TIP SIDEWAYS IF IT STRIKES HOLE, DITCH OR OTHER IRREGULARITIES.

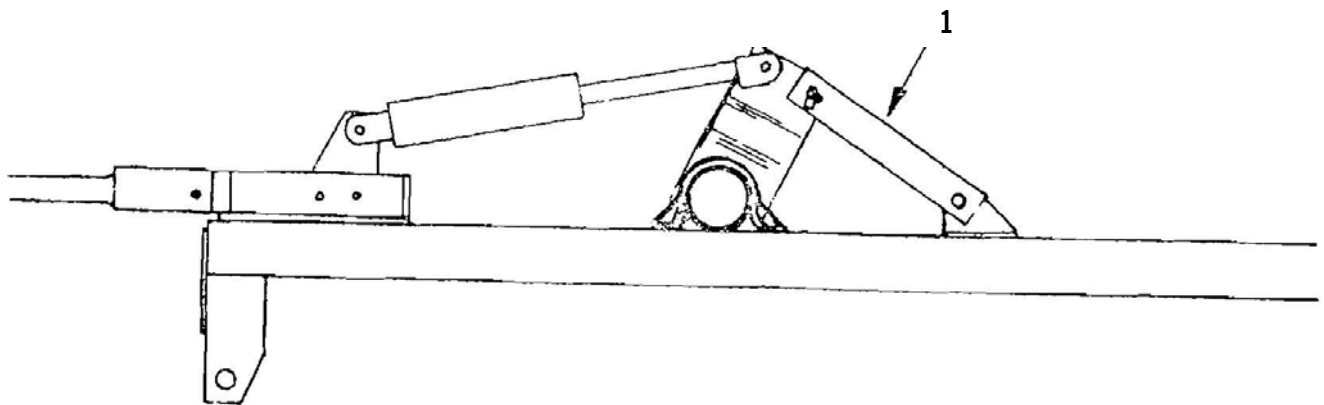
trouble shooting continued:

2. If left hand side of Disc is cutting deeper than right hand side, or vice versa, check tire pressure, low tire pressure on one side of Disc will cause uneven penetration.
3. If Disc is not penetrating soil, increase angle of front and rear gangs. See section 1 of adjustments.
4. If Disc is pushing dirt and leaving ridge at the outside, decrease cutting angle of front and rear gangs. See section 1 of adjustments.
5. If Disc is leaving a ridge at center of Disc, check if rear gangs are cutting deeper than front gangs. If so, level Disc. If leveling Disc does not solve problem, reduce Discing speed or reduce rear gang angle if a reduced angle will give adequate penetration,
or increase distance between rear gangs. See section 2 of adjustments.
6. If disc is not filling furrow at center, check if front gangs are cutting deeper than rear gangs. If so, level disc. If leveling does not solve the problem, increase Discing speed or decrease distance between rear gangs. See section 2 of adjustments.
7. If Disc gangs are plugging, adjust scrapers so they are fully in contact with blades, or reduce gang angle.

GENERAL OPERATING INSTRUCTIONS

1. Do not make sharp turns with the disc in ground. Sharp turns put excess pressure on the gangs.
- IMPORTANT:** It is advisable to always lift machine out of ground for making sharp turns. Excessive side thrust is applied to bearings and machine if disc is turned while it is in the ground.
2. For best performance the tractor drawbar should be pinned at center of tractor.

ILL. 14



3. See ILL. 14. When transporting Disc be sure to fasten lock-up strap, arrow 1, to rockshaft to place Disc in lock-up position.
4. **IMPORTANT:** When transporting Disc DO NOT exceed speeds of 10 M.P.H. (16 Km/H)

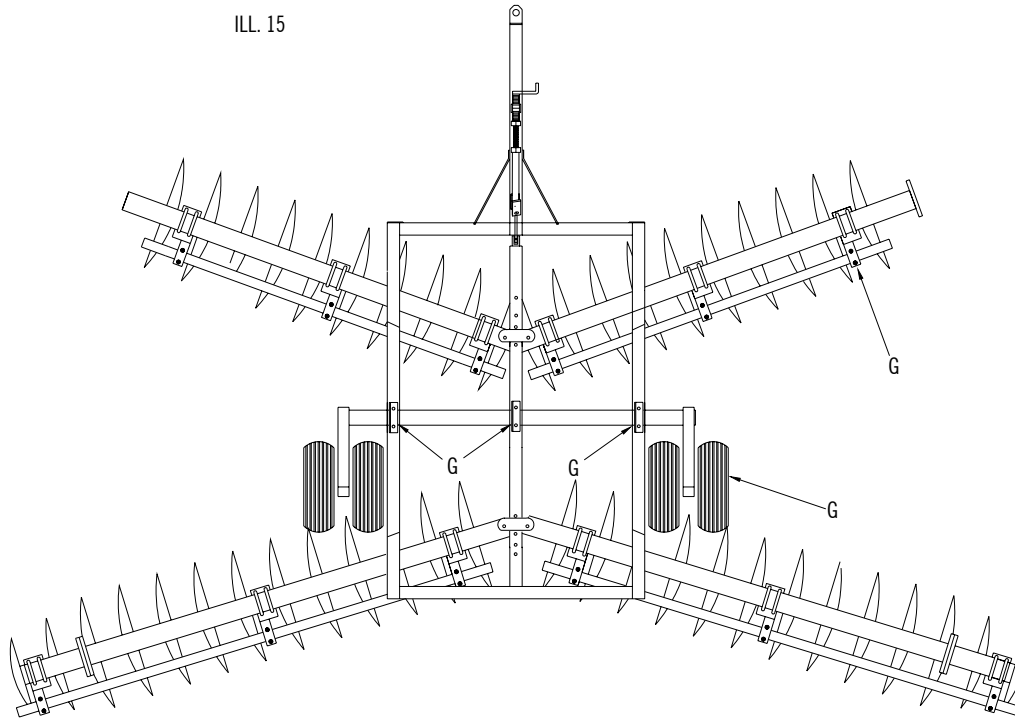


CAUTION: DO NOT EXCEED 10 M.P.H. WHEN TRANSPORTING DISC ON SMOOTH ROADS. REDUCE SPEED WHEN TRANSPORTING ON ROUGH ROADS. EXCESSIVE SPEED COULD CAUSE LOSS OF TRACTOR CONTROL AND DAMAGE TO DISC AND TRACTOR DO NOT TRANSPORT DISC WITH ANY OTHER VEHICLE EXCEPT TRACTOR.



CAUTION: DISC MAY FALL REARWARD SUDDENLY AND HITCH MAY RISE ABRUPTLY IF DISC IS UNPINNED FROM TRACTOR WHEN FULL RAISED. ALWAYS USE CAUTION AND ENSURE OTHER PERSONS ARE NOT STANDING NEAR DISC WHEN UNHITCHING FROM FRONT TRACTOR.

ILL. 15



MAINTENANCE

1. LUBRICATION – All lubricating points on Disc are marked with arrow G in ILL. 15.

a) GREASEABLE GANG BEARINGS ONLY – Gang bearings may be lubricated every 4 hours with a minimum amount of grease. Use a high quality SAE multi purpose grease.



CAUTION: IF GANG BEARINGS ARE OVER LUBRICATED THERE IS A POSSIBILITY THAT THE SEALS CAN BE PUSHED OUT. THIS IS MORE THAN LIKELY TO HAPPEN WHEN BEARINGS ARE NEW.

b) Lubricate each rockshaft bearing once a day.

c) Lubricate each wheel once a day.

2. All bolts and nuts should be checked periodically to make sure they are tight. Special attention should be given to gang bolts, bearing bolts and bearing hanger U-bolts. If gang bolts come loose, they must be tightened to 3200 ft/lbs (4436 N, m).



CAUTION: SEVERE DAMAGE WILL OCCUR IF GANG BOLTS ARE LOOSE.

3. When storing Disc for a long period of time, apply a light coat of oil or grease to the blades and grease all lubricating points. This will protect blades and all bearings from rusting.
Keep tire pressure equal on all wheels. The amount of tire pressure will depend on size of tires, weight of disc and field conditions. See page 1 for tire pressures.



CAUTION: DO NOT LUBRICATE DISC WHILE IT IS IN MOTION. YOU MAY FALL IN FRONT OF DISC AND BE SERIOUSLY INJURED.

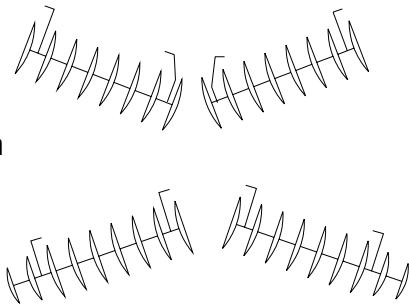


CAUTION: LOWER DISC COMPLETELY TO GROUND WHEN SERVICING. IF DISC MUST BE SERVICED IN RAISED POSITION, LOCK ROCKSHAFT. IF ANY COMPONENT OF HYDRAULIC SYSTEM FAILED, DISC COULD DROP.

DISC GANG PATTERN – 8" (203mm) SPACING

**Front
34 Blade**

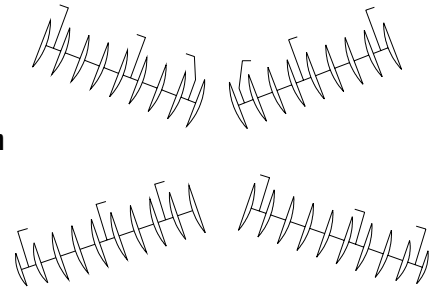
**Approx. Width
11-1/2 ft.
(3.5m)**



8 Bearing

**Front
38 Blade**

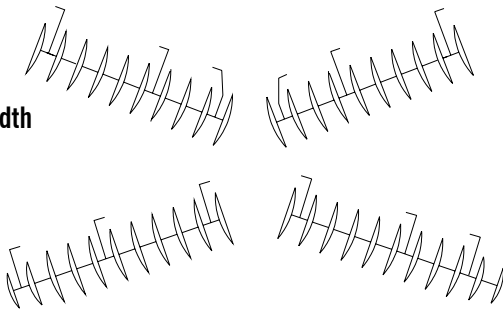
**Approx. Width
12-1/2 ft.
(3.8m)**



12 Bearing

**Front
42 Blade**

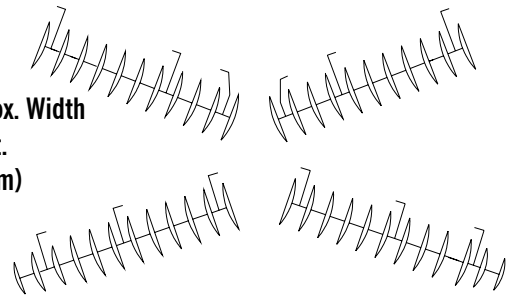
**Approx. Width
14 ft.
(4.3m)**



12 Bearing

**Front
46 Blade**

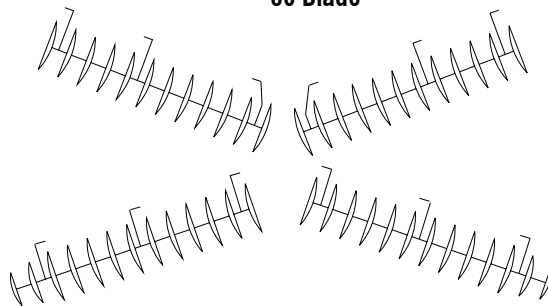
**Approx. Width
15 ft.
(4.6m)**



12 Bearing

**Front
50 Blade**

**Approx. Width
16-1/2 ft.
(5.0m)**

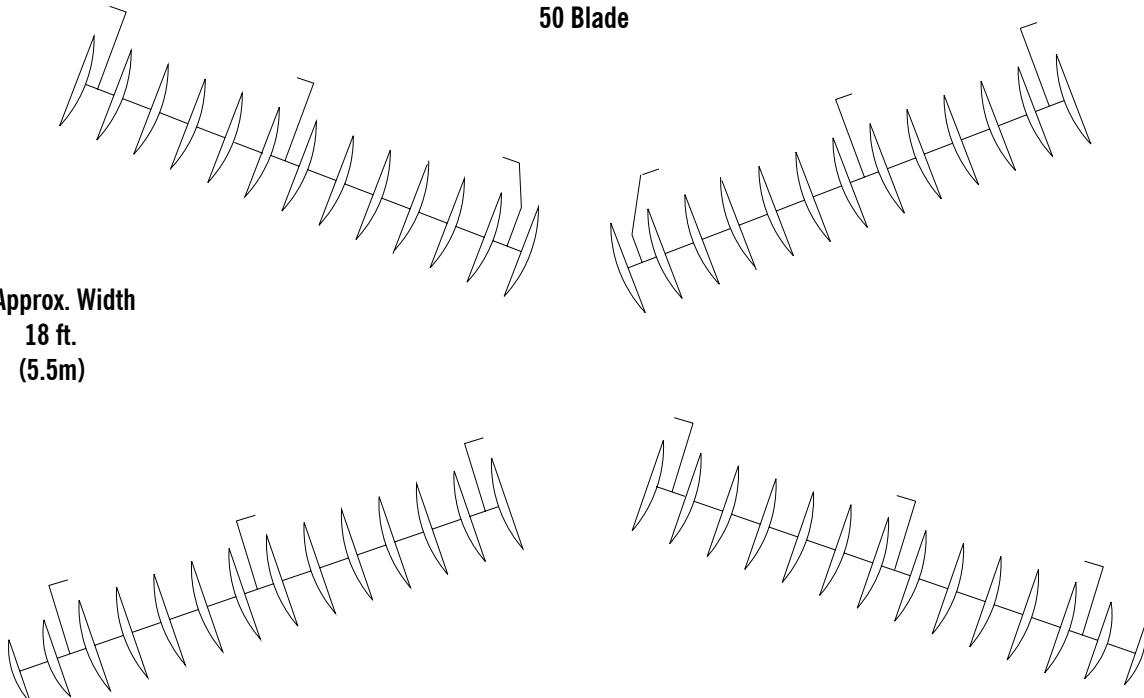


12 Bearing

DISC GANG PATTERN – 8" (203mm) SPACING

Front
50 Blade

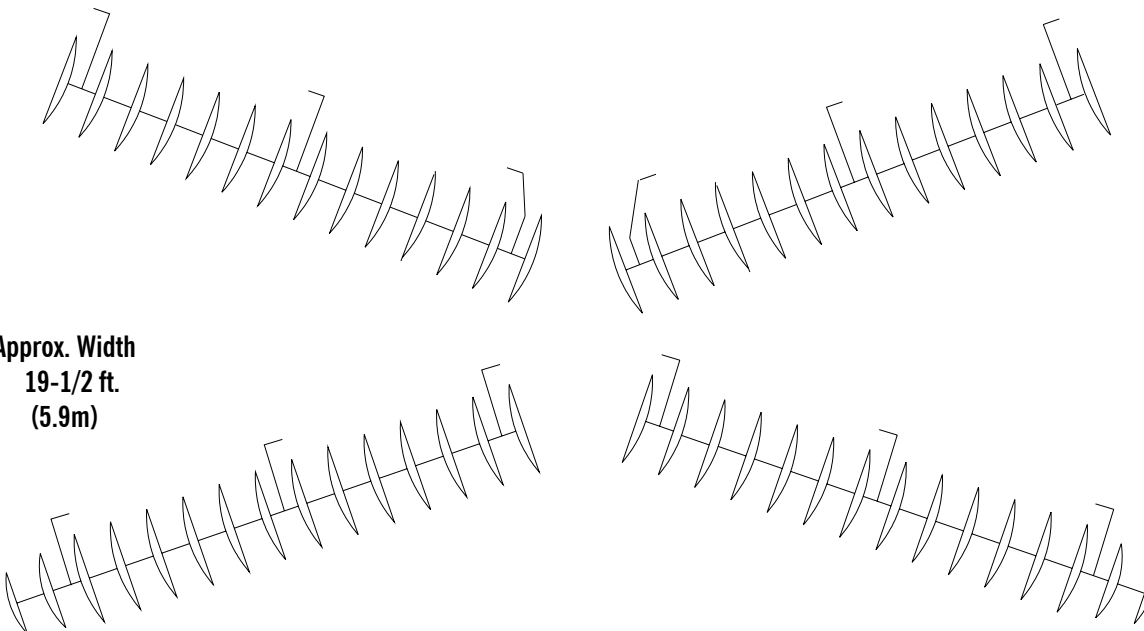
Approx. Width
18 ft.
(5.5m)



12 Bearing

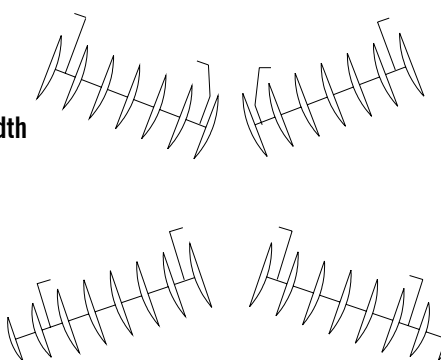
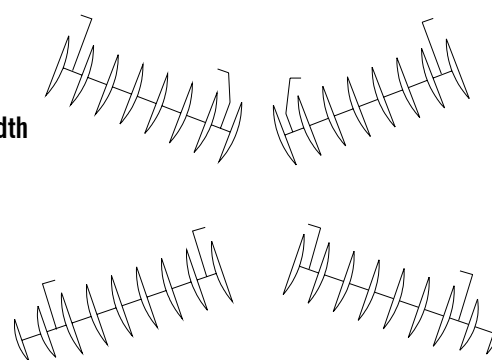
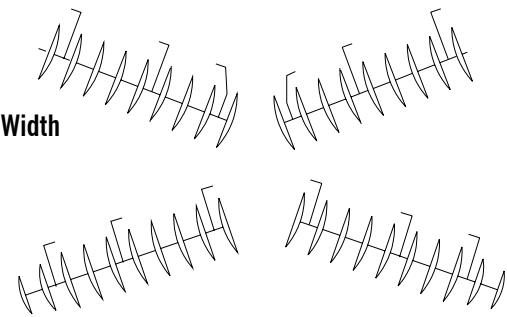
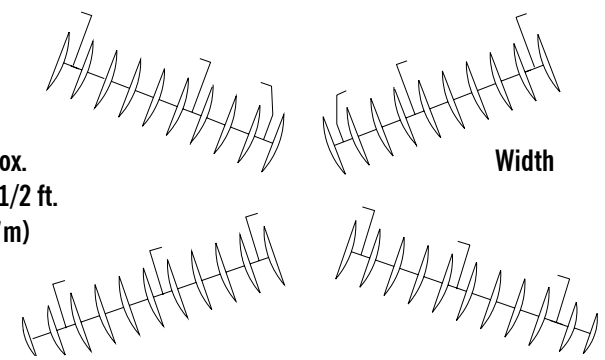
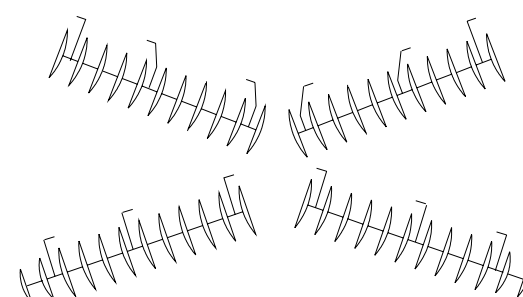
Front
58 Blade

Approx. Width
19-1/2 ft.
(5.9m)



12 Bearing

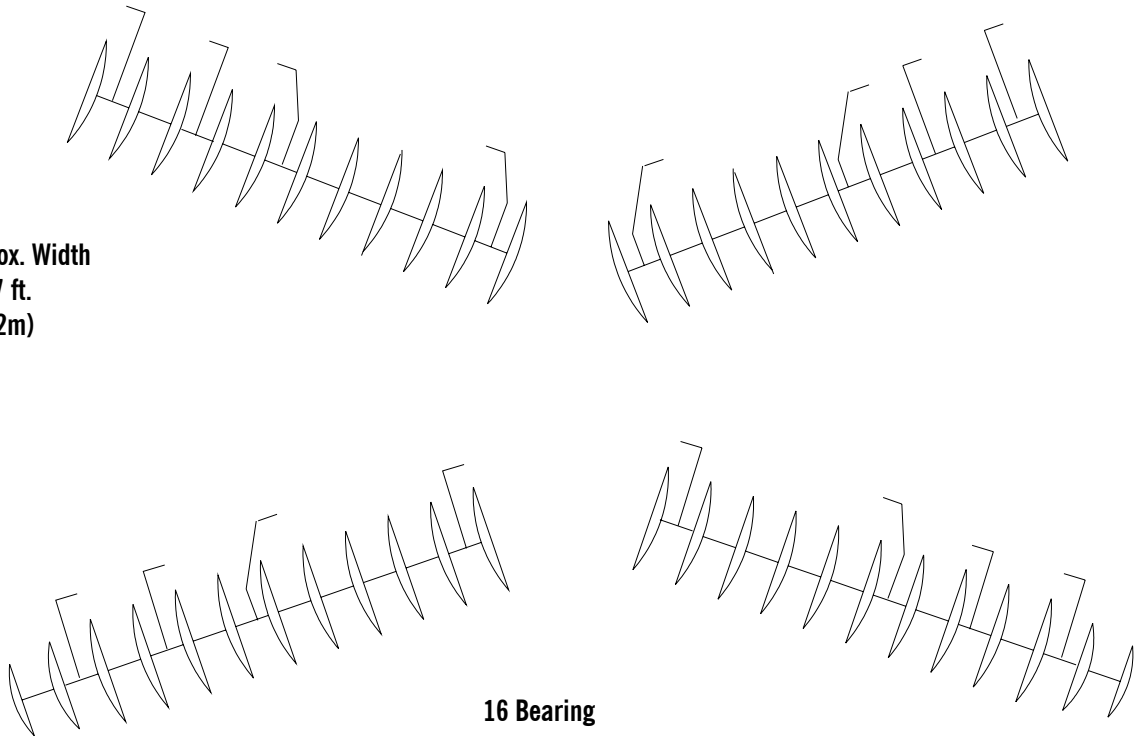
DISC GANG PATTERN 9" (228mm) SPACING

Front 30 Blade  Approx. Width 11 ft. (3.3m) 8 Bearing	Front 34 Blade  Approx. Width 12-1/2 ft. (3.8m) 8 Bearing
Front 38 Blade  Approx. Width 14 ft. (4.3m) 12 Bearing	Front 42 Blade  Approx. Width 15-1/2 ft. (4.7m) 12 Bearing
Front 46 Blade  Approx. Width 17 ft. (5.2m) 12 Bearing	

DISC GANG PATTERN – 9" (228mm) SPACING

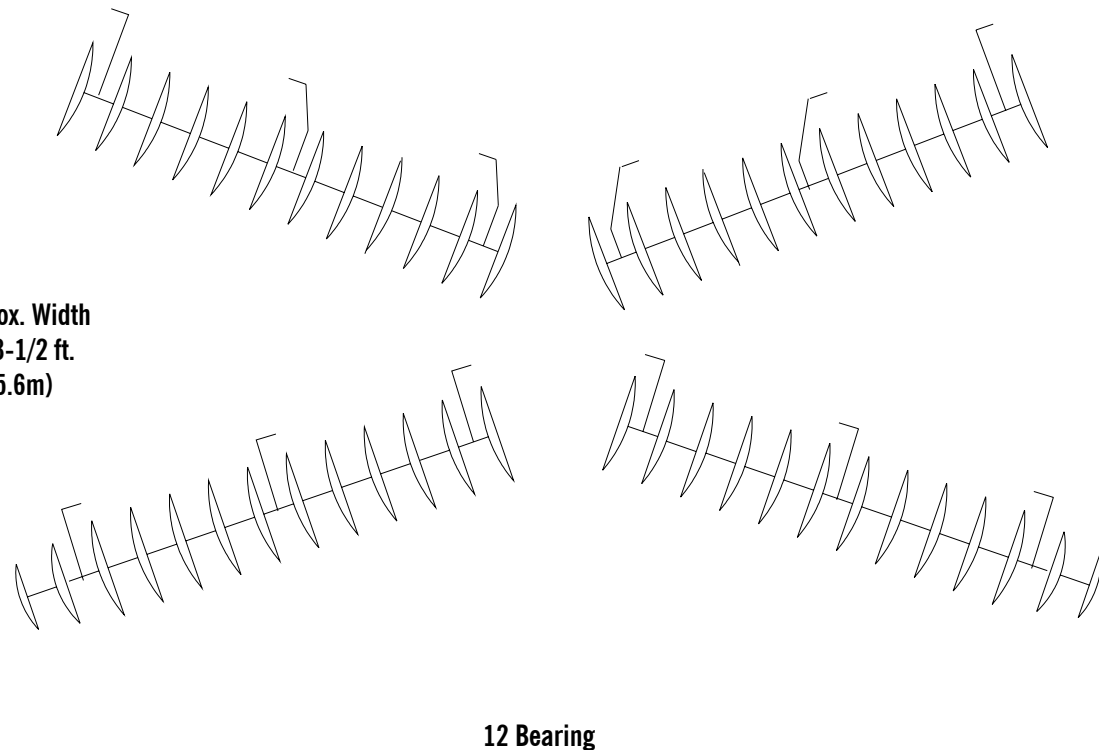
**Front
46 Blade**

**Approx. Width
17 ft.
(5.2m)**



**Front
50 Blade**

**Approx. Width
18-1/2 ft.
(5.6m)**



GANG AND GANG BEAM REPLACEMENT CHART

8" SPACING DISCS WITH SOLID GANG BEAMS

DISC	L.H. & R.H. FRONT GANG	FRONT GANG BEAMS		L.H. & R.H. REAR GANG	REAR GANG BEAMS
34 Blade	8 Blade	60"	(1524mm)	9 Blade	78" (1981mm)
38 Blade	9 Blade	72"	(1829mm)	10 Blade	90" (2286mm)
42 Blade	10 Blade	78"	(1981mm)	11 Blade	90" (2286mm)
46 Blade	11 Blade	90"	(2286mm)	12 Blade	102" (2591mm)
50 Blade	12 Blade	96"	(2438mm)	13 Blade	108" (2743mm)
54 Blade	13 Blade	102"	(2591mm)	14 Blade	120" (3048mm)
58 Blade	14 Blade	114"	(2896mm)	15 Blade	126" (3200mm)

9" SPACING DISCS WITH SOLID GANG BEAMS

DISC	L.H. & R.H. FRONT GANG	FRONT GANG BEAMS		L.H. & R.H. REAR GANG	REAR GANG BEAMS
30 Blade	7 Blade	60"	(1524mm)	8 Blade	72" (1829mm)
34 Blade	8 Blade	72"	(1829mm)	9 Blade	84" (2114mm)
38 Blade	9 Blade	78"	(1981mm)	10 Blade	96" (2438mm)
42 Blade	10 Blade	90"	(2286mm)	11 Blade	102" (2591mm)
46 Blade	11 Blade	96"	(2438mm)	12 Blade	114" (2896mm)
50 Blade	12 Blade	108"	(2743mm)	13 Blade	120" (3048mm)

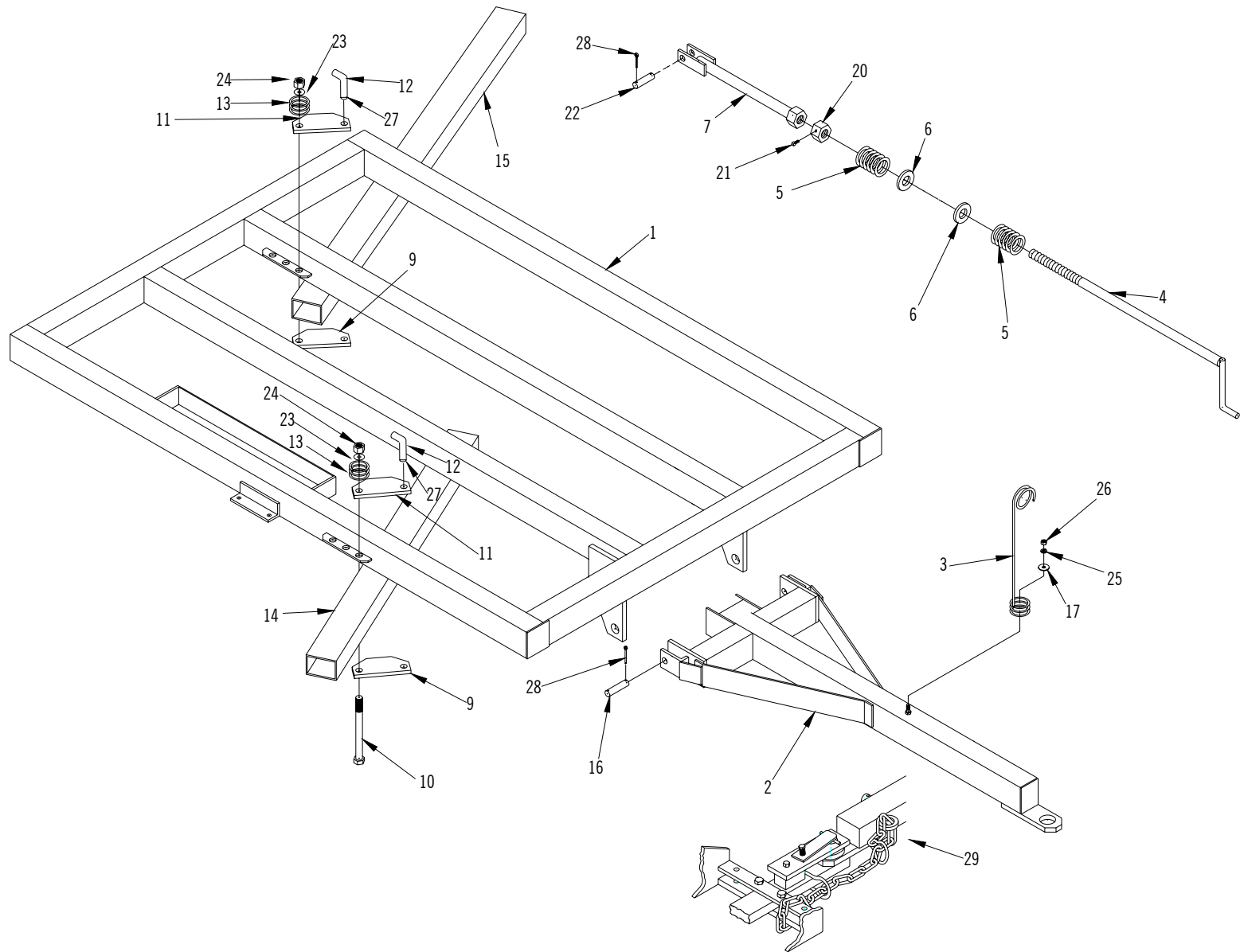
MODEL 395 DISC PARTS INDEX

	PAGE
Frame, Hitch, Gang Beam and Leveling Crank	2
Rockshaft & Wheel	4
Disc Gang Assembly	6
Scraper Assembly	8
Wing Type Gang Beam	10
Center Tooth	11

PAINT & DECALS

PART NO.	DESCRIPTION	PAGE
L016	Ezee-On Black Paint – ½ Pint	*
L003	Ezee-On Yellow Paint – Spray Bomb	*
DF13002	Ezee-On Decal – 2-1/2" x 15" (64mm x 381mm)	2
DF9510	"Caution" Decal – 3-1/2" x 15-1/4" (89mm x 387mm)	1
A75764	"Read Manual" Decal – 2-3/4" x 4-3/8" (70mm x 111mm)	1
DF7152	"Lubrication/Maintenance" Decal – 2-1/2" x 9" (64mm x 229mm)	1
DF6190	"395" Model Number Decal	2
DF13543	"Unhitching Hazard" Decal – 2-5/8" x 3-1/2" (67mm x 89mm)	1
A75759	"Check Wheel Bolt" Decal – 2-5/8" x 4" (67mm x 102mm)	1

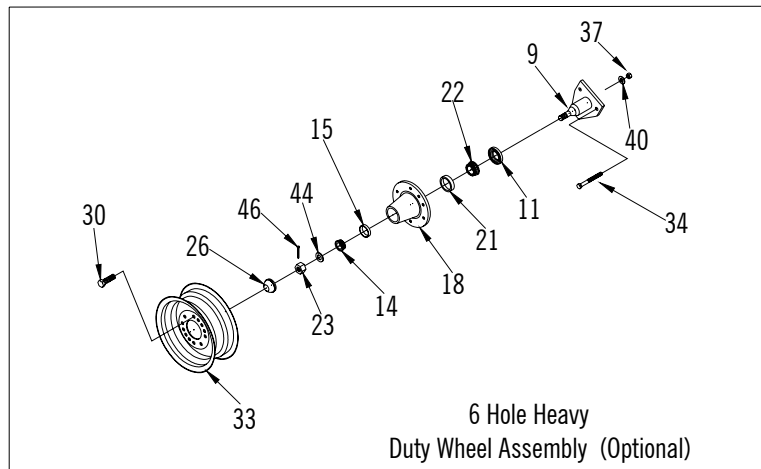
* as required



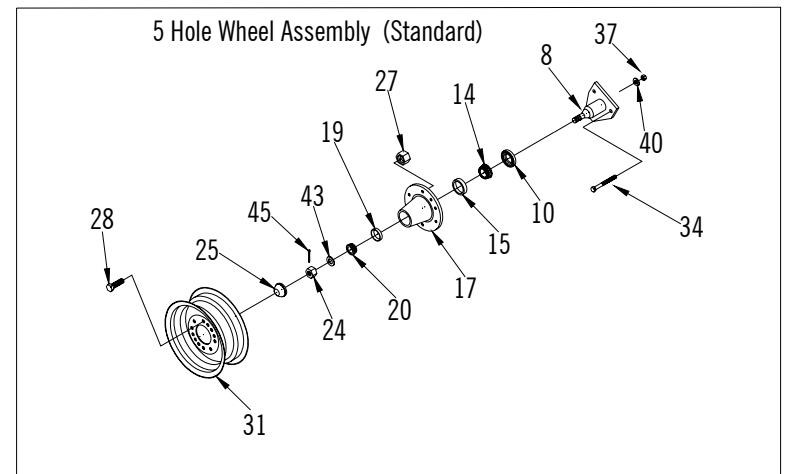
FRAME, HITCH, GANG BEAM & LEVELING CRANK
MODEL 395 DISC

FRAME, HITCH, SOLID GANG BEAM AND LEVELING CRANK – MODEL 395 DISC

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	DFB6000	Main Frame c/w two hitch pins and cylinder lug	1
2	DHA6036	Hitch	1
3	DH9961	Hose Support – Spring Type	1
4	DHA6049	Leveling Crank	1
5	DH1	Compression Spring – Leveling Crank	2
6	DC15	Timken Thrust Bearing - #T199	2
7	DHA6047	Leveling Link	1
8	DF6023	Cylinder Lug	1
9	DFA6026	Gang Beam Mount Plate – Bottom	2
10	B100120	1" x 12" (25.4mm x 305mm) N.C. Hex Bolt	4
11	DFA6029	Gang Beam Mount Plate – Top	2
12	DF37	Pin – Gang Mount Assembly	2
13	DF22	Compression Spring	4
14		FRONT GANG BEAM – SOLID (FOR 8" SPACING DISC)	
	DBS4-60-1	60" (1524mm) Gang Beam – 34 Blade Disc	2
	DBS4-72-1	72" (1829mm) Gang Beam – 38 Blade Disc	2
	DBS4-78-1	78" (1981mm) Gang Beam – 42 Blade Disc	2
	DBS4-90-1	90" (2286mm) Gang Beam – 46 Blade Disc	2
	DBS4-96-1	96" (2438mm) Gang Beam – 50 Blade Disc	2
	DBS4-102-1	102" (2591mm) Gang Beam – 54 Blade Disc	2
	DBS4-114-1	114" (2896mm) Gang Beam – 58 Blade Disc	2
		FRONT GANG BEAM – SOLID (FOR 9" SPACING DISC)	
	DBS4-60-1	60" (1524mm) Gang Beam – 30 Blade Disc	2
	DBS4-72-1	72" (1829mm) Gang Beam – 34 Blade Disc	2
	DBS4-78-1	78" (1981mm) Gang Beam – 38 Blade Disc	2
	DBS4-90-1	90" (2286mm) Gang Beam – 42 Blade Disc	2
	DBS4-96-1	96" (2438mm) Gang Beam – 46 Blade Disc	2
	DBS4-108-1	108" (2743mm) Gang Beam – 50 Blade Disc	2
		FRONT GANG BEAM – SOLID (FOR 10-1/2" SPACING DISC)	
	DBS4-60-1	60" (1524mm) Gang Beam – 26 Blade Disc	2
	DBS4-72-1	72" (1829mm) Gang Beam – 30 Blade Disc	2
	DBS4-84-1	84" (2134mm) Gang Beam – 34 Blade Disc	2
	DBS4-96-1	96" (2438mm) Gang Beam – 38 Blade Disc	2
	DBS4-102-1	102" (2591mm) Gang Beam – 42 Blade Disc	2
15		REAR GANG BEAM – SOLID (FOR 8" SPACING DISC)	
	DBS4-78-1	78" (1981mm) Gang Beam – 34 Blade Disc	2
	DBS4-90-1	90" (2286mm) Gang Beam – 38 Blade Disc	2
	DBS4-90-1	90" (2286mm) Gang Beam – 42 Blade Disc	2
	DBS4-102-1	102" (2591mm) Gang Beam – 46 Blade Disc	2
	DBS4-108-1	108" (2743mm) Gang Beam – 50 Blade Disc	2
	DBS4-120-1	120" (3048mm) Gang Beam – 54 Blade Disc	2
	DBS4-126-1	126" (3200mm) Gang Beam – 58 Blade Disc	2
		REAR GANG BEAM – SOLID (FOR 9" SPACING DISC)	
	DBS4-72-1	72" (1829mm) Gang Beam – 30 Blade Disc	2
	DBS4-84-1	84" (2134mm) Gang Beam – 34 Blade Disc	2
	DBS4-96-1	96" (2438mm) Gang Beam – 38 Blade Disc	2
	DBS4-102-1	102" (2591mm) Gang Beam – 42 Blade Disc	2
	DBS4-114-1	114" (2896mm) Gang Beam – 46 Blade Disc	2
	DBS4-120-1	120" (3048mm) Gang Beam – 50 Blade Disc	2
		REAR GANG BEAM – SOLID (FOR 10-1/2" SPACING DISC)	
	DBS4-78-1	78" (1981mm) Gang Beam – 26 Blade Disc	2
	DBS4-90-1	90" (2286mm) Gang Beam – 30 Blade Disc	2
	DBS4-102-1	102" (2591mm) Gang Beam – 34 Blade Disc	2
	DBS4-114-1	114" (2896mm) Gang Beam – 38 Blade Disc	2
	DBS4-120-1	120" (3048mm) Gang Beam – 42 Blade Disc	2
16	DH6056	Hitch Pin	2
17	---	11/16" I.D. x 1-3/4" O.D. (17mm x 44mm) Flatwasher	1
18	DR5249	Lock-up and Cylinder Lug Pin	1
19	DF6024	Cylinder Lug Pin	1
20	DH5	2" N.C. (50.8mm) Heavy Hex Nut – Drilled for Set Screws	1
21	---	1/2" x 1" (12.7mm x 25.4mm) Square Head Set Screw	1
22	DF6024	Leveling Link Pin	1
23	DF49	2" O.D. x 1-1/32" I.D. x 3/16" (50.8mm x 26mm x 5mm) Washer	4
24	BN100	1" (25.4mm) N.C. Hex Nut	1
25	BW062L	5/8" (16mm) Lockwasher	1
26	BN062	5/8" (16mm) N.C. Hex Nut	1
27	BP18125	3/16" x 1-1/4" (5mm x 31.7mm) Cotter Pin	2
28	BP25150	1/4" x 1-1/2" (6.35mm x 38mm) Cotter Pin	6
29		10200 lb Safety Chain (optional)	1



**ROCKSHAFT & WHEEL
MODEL 395 DISC**
Page 3



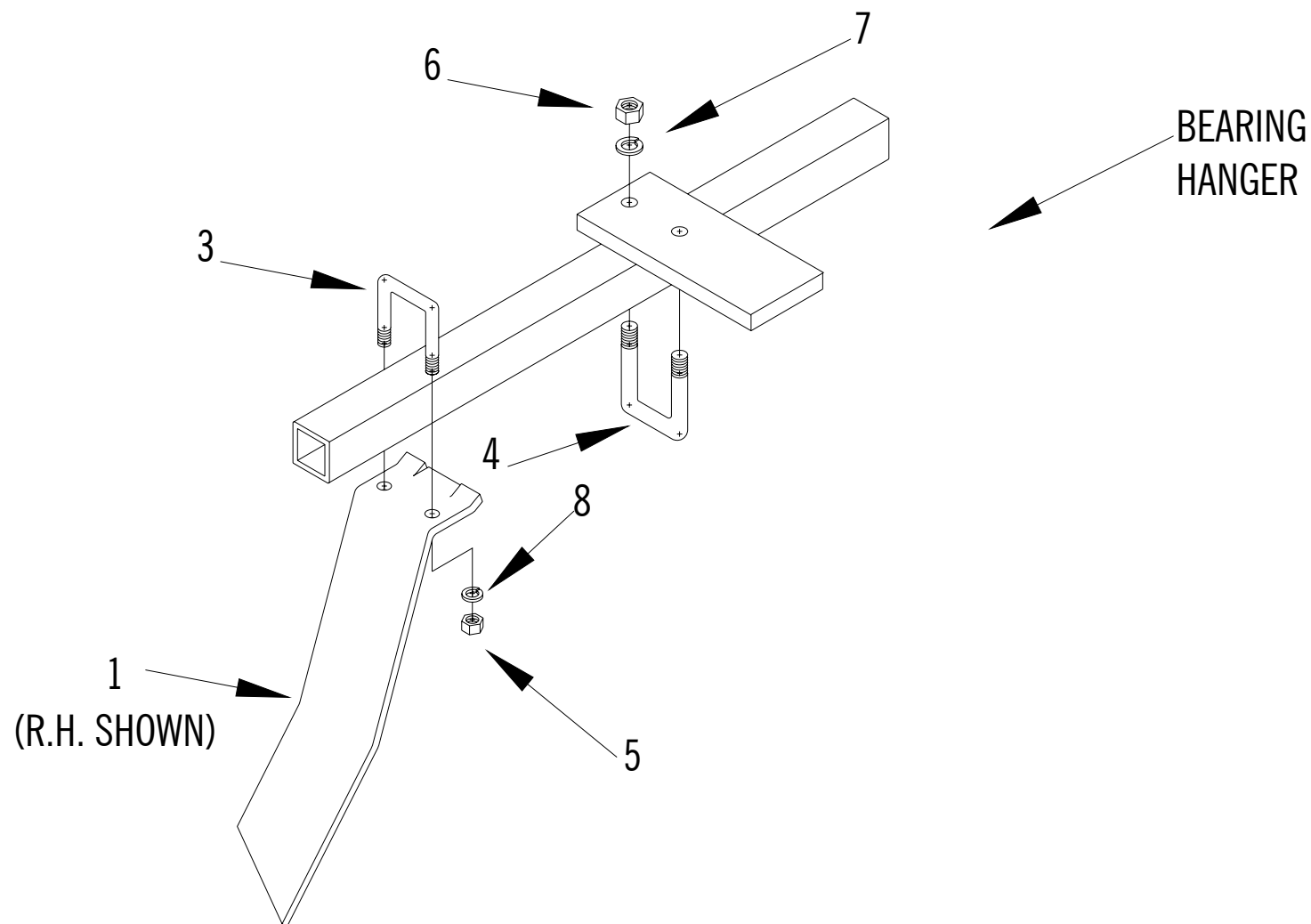
ROCKSHAFT & WHEEL – MODEL 395 DISC

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	DRA6060	Rockshaft	1
2	DF41	Outside Bearing	2
3	DFA40	Center Bearing	1
4	DRA6020	Lock-up Strap	1
5	DR76	Axle Backing Plate	*
6	10GN1	¼" (6.35mm) - 28 Grease Fitting	3
8	DRA2	Axle Assembly – 517	*
9	DRA8	Axle Assembly – 618 w/3 Hole Mount Plate	*
10	DR85	Grease Seal – 517 Hub – (SE 13-1)	*
11	DR122	Grease Seal – 618 Hub	*
14	DR91	Cone Bearing #LM48548	*
15	DR92	Cup #LM48510	*
17	DRA3	Hub c/w Cups – 517	*
18	DRA9	Hub c/w Cups – 618	*
19	DR90	Cup #LM67010	*
20	DR89	Cone Bearing #LM67048	*
21	DR118	Cup #25520	*
22	DR120	Cone Bearing #25580	*
23	DR110	1" (25.4mm) N.F. Hex Slotted Nut	*
24	DR83	7/8" (22mm) N.F. Hex Slotted Nut	*
25	DR88	Hub Cap – 517 Hub	*
26	DR123	Hub Cap – 618 Hub	*
27	DR87	Wheel Bolts – ½" (12.7mm) N.F.	*
28	DR86	Tapered Wheel Nut – ½" (12.7mm) N.F.	*
30	DR125	9/16" N.F. x 1-1/8" (14.2 mm x 28.4mm) Wheel Stud	*
31	DR93	15" x 6" (381mm x 152mm) – 5 Hole Rim (used 7.60 x 15 tire)	*
33	DR127	15" x 8" (381mm x 152mm) – 6 Hole Rim (used 9.5L x 15 or 11L x 15 tire)	*
34	B062060	5/8" x 6" (15.7mm x 152mm) N.C. Hex Bolt	6
35	B075055	¾" x 5-1/2" (19mm x 139.7mm) N.C. Hex Bolt	6
36	B100030	1" x 3" (25.4mm x 76.2mm) N.C. Hex Bolt	1
37	BN062	5/8" (15.7mm) N.C. Hex Nut	6
38	BN075	¾" (19mm) N.C. Hex Nut	6
39	BN100	1" (25.4mm) N.C. Hex Nut	1
40	BW062L	5/8" (15.7mm) Lockwasher	6
41	BW075L	¾" (19mm) Lockwasher	6
42	BW100L	1" (25.4mm) Lockwasher	1
43	BW20009318F	2" O.D. x 15/16" I.D. x 3/16" (50.8mm x 23.6mm x 4.5mm) Flatwasher	*
44	BW20010612F	2" O.D. x 1-1/16" I.D. x 1/8" (50.8mm x 26.9mm x 3.0mm) Flatwasher	*
45	BP18100	3/16" x 1" (4.6mm x 25.4mm) Cotter Pin	*
46	BP18125	3/16" x 1-1/4" (4.6mm x 31.7mm) Cotter Pin	*

**DISC GANG ASSEMBLY
MODEL 395 DISC**

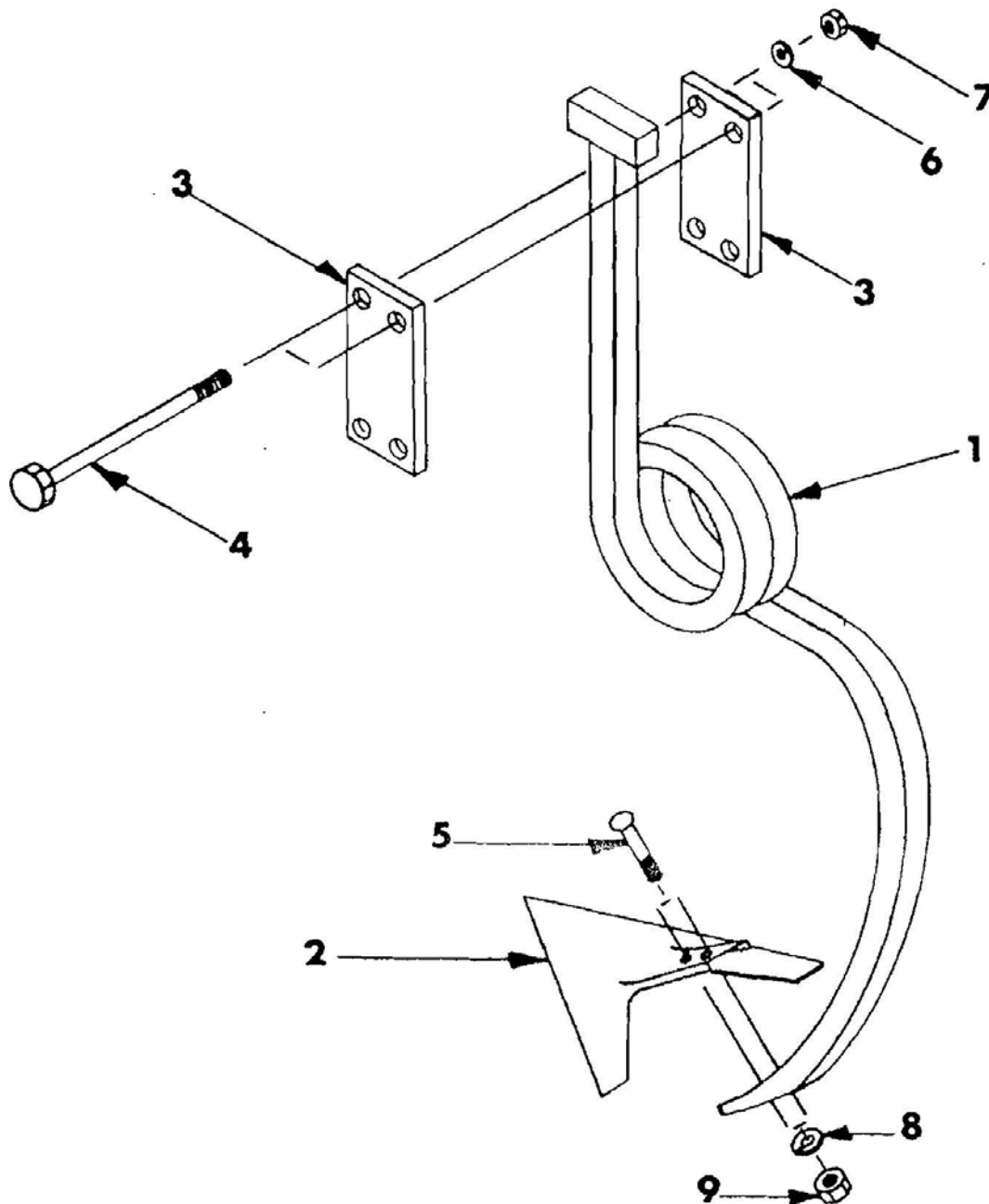
DISC GANG ASSEMBLY – MODEL 395 DISC

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	DG60	22" x 9/32" (559mm x 7mm) Plain Disc Blade	*
	DG68	24" x 1/4" (610mm x 6mm) Plain Disc Blade	*
	DG76	24" x 9/32" (610mm x 7mm) Plain Disc Blade	*
2	DG61	22" x 9/32" (559mm x 7mm) Notched Disc Blade	*
	DG79	24" x 9/32" (610mm x 7mm) Notched Disc Blade	*
3	DG84	16" x 4mm (.157) Plain Outtrigger Blade	*
	DG133	18" x 5mm (.197) Plain Outtrigger Blade	*
	DG134	20" x 5mm (.197) Plain Outtrigger Blade	*
4	DG82	2" (50.8mm) N.C. Heavy Hex Slotted Nut	*
5	DG89	1/4" (6.35mm) Shim Washer	*
6	DG88	1/2" (12.7mm) Shim Washer	*
7	DG78	5" O.D. x 2" I.D. x 5/8" (127mm x 50.8mm x 15.7mm) Head Washer – (used 2003 and prior)	*
	DG13185	5-1/2" O.D. x 2" I.D. x 3/4" (139.7mm x 50.8mm x 19.0mm) Head Washer – (used w/22" & 24" blades) – used 2003 and later	*
8	DGA108	8" (203mm) Spacing Short Half Spool – 2-3/8" (60mm) Long	*
	DGA97	9" (229mm) Spacing Short Half Spool – 3-1/4" (82.5mm) Long w/5" (127mm) Washer – Convex	*
9	DGA102	8" and 9" (203 and 229mm) Spacing Long Half Spool – 2-3/8" (60mm) Long	*
10	DGA113	8" (203mm) Spacing Full Half Spool	*
	DGA98	9" (229mm) Spacing Full Spool w/5" End Washer	*
11	DG77	5" O.D. x 2" I.D. x 3/4" (127mm x 50.8mm x 19.0mm) Gang Bolt Washer – weld-on	*
12	DGB5334	211 Housing c/w Bearing & Grease Fitting	*
14	DG95	211 Series Greaseable Bearing	*
15	DGA6089	L.H. Straight 211 Bearing Hanger – 5/8" x 6" (15.7mm x 152mm) - 16-3/8" (415mm) overall length – (used prior to S/N 49603)	*
	DGA	L.H. Straight 211 Bearing Hanger – 5/8" x 6" (15.7mm x 152mm) - 16-3/4" (425mm) overall length – (used on S/N 49603 and later)	*
	DGA6090	R.H. Straight 211 Bearing Hanger – 5/8" x 6" (15.7mm x 152mm) - 16-3/8" (415mm) overall length – (used prior to S/N 49603)	*
	DGA	R.H. Straight 211 Bearing Hanger – 5/8" x 6" (15.7mm x 152mm) - 16-3/4" (425mm) overall length – (used on S/N 49603 and later)	*
16	DGA6091	L.H. Offset 211 Bearing Hanger – 5/8" x 6" (15.7mm x 152mm) - 16-3/8" (415mm) overall length – (used prior to S/N 49603)	*
	DGA	L.H. Offset 211 Bearing Hanger – 5/8" x 6" (15.7mm x 152mm) - 16-3/4" (425mm) overall length – (used on S/N 49603 and later)	*
	DGA6092	R.H. Offset 211 Bearing Hanger – 5/8" x 6" (15.7mm x 152mm) - 16-3/8" (415mm) overall length – (used prior to S/N 49603)	*
	DGA	R.H. Offset 211 Bearing Hanger – 5/8" x 6" (15.7mm x 152mm) - 16-3/4" (425mm) overall length – (used on S/N 49603 and later)	*
17		GANG BOLTS FOR 8" SPACING	
	DGA88	8 Blade Gang Bolt – 62-3/4" (1594mm) Long	*
	DGA89	9 Blade Gang Bolt – 71" (1803mm) Long	*
	DGA90	10 Blade Gang Bolt – 79-1/2" (2019mm) Long	*
	DGA91	11 Blade Gang Bolt – 87-3/4" (2229mm) Long	*
	DGA92	12 Blade Gang Bolt – 96" (2438mm) Long	*
	DGA93	13 Blade Gang Bolt – 104-1/4" (2648mm) Long	*
	DGA94	14 Blade Gang Bolt – 112-1/2" (2858mm) Long	*
	DGA95	15 Blade Gang Bolt – 121" (3073mm) Long	*
		GANG BOLTS FOR 9" SPACING	
	DGA67	7 Blade Gang Bolt – 60-1/2" (1537mm) Long	*
	DGA68	8 Blade Gang Bolt – 69-3/4" (1772mm) Long	*
	DGA69	9 Blade Gang Bolt – 78-3/4" (2000mm) Long	*
	DGA70	10 Blade Gang Bolt – 88-1/4" (2242mm) Long	*
	DGA71	11 Blade Gang Bolt – 97-1/2" (2477mm) Long	*
	DGA72	12 Blade Gang Bolt – 106-3/4" (2711mm) Long	*
	DGA73	13 Blade Gang Bolt – 115-3/4" (2940mm) Long	*
18	DGA35	Socket Wrench	*
19	DG6080	5/8" x 4" x 5-7/16" (15.7mm x 102mm x 138mm) U-Bolt	*
20	DG10310	7/16" x 3" (10.9mm x 76mm) Lock Pin	*
22		1/2" x 2-1/4" (12.7mm x 57mm) N.C. Hex Bolt	*
23		1/2" (12.7mm) N.C. Hex Nut	*
24		5/8" (15.7mm) N.C. Hex Nut	*
25		1/2" (12.7mm) Lockwasher	*
26		5/8" (15.7mm) Lockwasher	*
27	10GN1	1/4" (6.35mm) – 28 Grease Fitting	*



SCRAPER ASSEMBLY – MODEL 395 DISC

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	DG6083	L.H. Scraper – used with 5/8" x 6" (15.7mm x 152mm) Hanger	*
	DG6084	R.H. Scraper – used with 5/8" x 6" (15.7mm x 152mm) Hanger	*
2		SCRAPER BAR FOR 8" SPACING DISC	
	DS66	8 Blade Scraper Bar – 66" (1676mm) Long	*
	DS72	9 Blade Scraper Bar – 72" (1829mm) Long	*
	DS84	10 Blade Scraper Bar – 84" (2134mm) Long	*
	DS90	11 Blade Scraper Bar – 90" (2286mm) Long	*
	DS102	12 Blade Scraper Bar – 102" (2591mm) Long	*
	DS108	13 Blade Scraper Bar – 108" (2743mm) Long	*
	DS114	14 Blade Scraper Bar – 114" (2896mm) Long	*
	DS126	15 Blade Scraper Bar – 126" (3200mm) Long	*
		SCRAPER BAR FOR 9" SPACING DISC	
	DS66	7 Blade Scraper Bar – 66" (1676mm) Long	*
	DS72	8 Blade Scraper Bar – 72" (1829mm) Long	*
	DS84	9 Blade Scraper Bar – 84" (2134mm) Long	*
	DS90	10 Blade Scraper Bar – 90" (2286mm) Long	*
	DS102	11 Blade Scraper Bar – 102" (2591mm) Long	*
	DS114	12 Blade Scraper Bar – 114" (2896mm) Long	*
	DS120	13 Blade Scraper Bar – 120" (3048mm) Long	*
3	DG5308	½" x 2" (12.7mm x 50.8mm) U-Bolt	*
4	DG5309	5/8" x 2" (15.7mm x 50.8mm) U-Bolt	*
5		½" (12.7mm) N.C. Hex Nut	*
6		5/8" (15.7mm) N.C. Hex Nut	*
7		5/8" (15.7mm) N.C. Lockwasher	*
8		½" (12.7mm) Lockwasher	*



CENTRE TOOTH ASSEMBLY - MODEL 395 DISC

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1	DT6200	Shank	1
2	DT6201	10" (254mm) Shovel – (55 deg, holes for 7/16" bolts, 2" hole spacing)	1
3	DT6202	Clamp Plate	2
4	B062075	5/8" x 7-1/2" (15.7mm x 190.5mm) N.C. Hex Bolt	4
5		7/16" x 2" (10.9mm x 50.8mm) N.C. Plow Bolt #3 Head	2
6	BW062L	5/8" (15.7mm) Lockwasher	4
7	BN062	5/8" (15.7mm) N.C. Hex Nut	4
8	BW043L	7/16" (10.9mm) Lockwasher	2
9	BN043	7/16" (10.9mm) N.C. Hex Nut	2

HYDRAULIC SYSTEM ASSEMBLY - MODEL 395 DISC

REF. NO.	PART NO.	DESCRIPTION	QTY. REQ'D
1		4" x 8" (101.6mm x 203.2mm) Hydraulic Cylinder – See Break Down Below	1
2		1-1/4" (31.7mm) Dia. X 4-3/4" (120.6mm) Pin	2
3		1/2" N.P.T. (12.7mm) x 90 Degree Street Elbow	2
4		1/2" x 213" (12.7mm x 5410mm) Hydraulic Hose	1
5		1/2" x 198" (12.7mm x 5029mm) Hydraulic Hose	1
6		5/16" x 1-3/4" (7.8mm x 44.4mm) Cotter Pin	4
7		Stop Depth Control Package – 1-1/2" I.D. x 6-1/2" Lg. (38.1mm x 165.1mm)	1
8		1" (25.4mm) Depth Stop	1
9		1-1/2" (38.1mm) Depth Stop	1
10		2" (50.8mm) Depth Stop	2
11		4-1/4" (107.9mm) Depth Stop	1