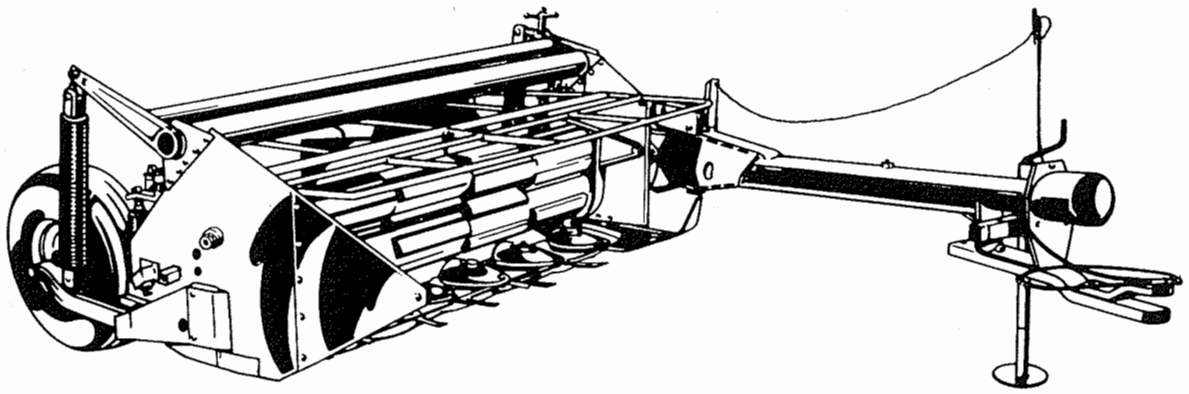
DC1080

Disc Mower Conditioner



OPERATOR'S AND SERVICE PARTS MANUAL

Form No.
903020
Replaces
902712

GEHL® COMPANY

Warranty

GEHL® COMPANY

New Agricultural Equipment

Gehl Company (Incorporated), hereinafter referred to as GEHL, as manufacturer of quality machinery since 1859, warrants new GEHL machinery and/or attachments at the time of delivery to the original purchaser to be free from defects in material and workmanship if properly set up and operated in accordance with the recommendations set forth in GEHL's Operator Manual.

GEHL's liability for any defect with respect to accepted goods shall be limited to repairing the goods at an authorized GEHL dealer or other GEHL designated location, or replacing them, as GEHL shall elect. The above shall be in accordance with GEHL warranty adjustment policies. GEHL's obligation shall terminate twelve (12) months after the delivery of the goods to the original purchaser.

This warranty shall not apply to any machine or attachment which shall have been repaired or altered outside the GEHL factory or authorized GEHL dealership or in any way so as in GEHL's judgment, to affect its stability or reliability, nor which has been subject to misuse, negligence or accident, nor to any machine or attachment which shall not have been operated in accordance with GEHL's printed instructions or beyond the company recommended machine rated capacity.

This warranty shall not be applicable to items which are subject to the warranties of their respective manufacturers. Such items would include but would not be limited to engines, clutches, universal joints, knives, hydraulic components, bearings, tires, belts and other trade accessories.

EXCLUSION OF WARRANTIES

Except as otherwise expressly stated herein, GEHL makes no representation or warranty of any kind, express or implied, AND MAKES NO WARRANTY OF MERCHANTABILITY IN RESPECT TO ITS MACHINERY AND/OR ATTACHMENTS AND MAKES NO WARRANTY THAT ITS MACHINERY AND/OR ATTACHMENTS ARE FIT FOR ANY PARTICULAR PURPOSE. GEHL shall not be liable for incidental or consequential damages for any breach of warranty, including but not limited to inconvenience, rental or replacement equipment, loss of profits or other commercial loss. GEHL shall not be liable for, and the buyer assumes all liability for, all personal injury and property damage resulting from the handling, possession or use of the goods by the buyer.

No agent, employee or representative of GEHL has any authority to bind GEHL to any affirmation, representation or warranty concerning its machinery and/or attachments except as specifically set forth herein.

INTRODUCTION

Mr. Operator:

Your decision to purchase this piece of GEHL equipment was a good one. We are sure that your decision was strongly considered and that you are looking forward to many seasons of work from this machine.

We, as a Company, have invested a great deal of time and effort in developing our lines of farm equipment and Skid Steer Loaders. The equipment you have purchased is built with a great deal of pride and designed to give you long life, efficient operation, durability and dependability.

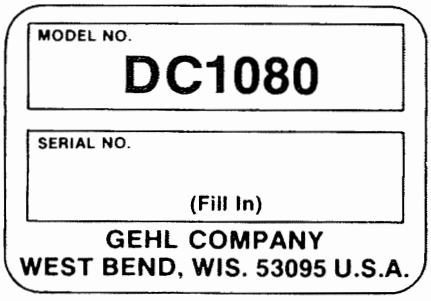
This manual was developed specifically for the machine you have purchased. The information, contained within, was prepared for your assistance in preparing, adjusting, maintaining and servicing your machine. More importantly, this manual provides an operating plan for safe and proper use of your machine. Major points of safe operation are detailed in the **SAFETY** chapter of this manual. Refer to the Table of Contents for an outline of this manual.

Farm machinery has become more sophisticated and, with that in mind, GEHL Company asks that you read and understand the contents of this manual COMPLETELY and become familiar with your new machine, BEFORE attempting to operate it.

Our wide Dealership network stands by to provide you with any assistance you may require, including genuine GEHL service parts. All parts should be obtained from or ordered through your GEHL Dealer. Give complete information about the part as well as the model number and the serial number of your machine. Record numbers, in the space provided, as a handy record for quick reference.

"Right" and "Left" are determined from a position standing behind the Conditioner and facing the direction of travel. From this position, the Drawbar is on the "Left" side.

Typical Model & Serial No. Plate



Numbers for this unit are stamped on a plate located on the left Frame member next to the Cylinder Rod Yoke.

GEHL Company reserves the right to make changes or improvements in the design or construction of any part without incurring the obligation to install such changes on any unit previously delivered.

Throughout this manual, information is provided which is set in **bold type** and introduced by the word **NOTE. BE SURE** to **read carefully** and **comply with** the message or directive given. Following this information will improve your operating or maintenance efficiency, help you to avoid costly breakdown or unneccessary

The GEHL Company, in compliance with the Farm and Industrial Equipment Institute and the American Society of Agricultural Engineers, has adopted the SAFETY ALERT SYMBOL

to pinpoint characteristics which, if not properly followed, can create a safety hazard. When you see this symbol in this manual or on the unit itself, you are reminded to BE ALERT! Your Safety is involved.

TABLE OF CONTENTS

SPECIFICATIONS

All Dimensions are in Inches (Millimeters) Unless Otherwise Noted

Power ..... From 540 RPM 50 hp (37 kw) tractor and hydraulic circuit
Overall Length (Approximate) ..... 180(4572)
Operating Height (Approximate) 47-1/2 (1206)
Transport Height 54-1/2 (1384)
Cutting Width 94 (2400)
Transport Width 118 (2950)
Tracking Width 89 (2250)
Cutting Height ..... Adjustable from 1-1/2 to 3-3/4 (38 to 95)
Weight (Approximate) ..... 2594 lb (1177 kg)
Number of Discs 6
Disc Speed ..... 3000 RPM at 540 PTO RPM
Total Number of Knives 18
Knive Overlap 4-1/4 (108)
Knife Tip Speed ..... 174 mph (280 kmh)
Oil Capacities:
  Gearbox ..... 1.3 U.S. Gallons (5 liters)
  Cutterbar ..... 0.6 U.S. Gallons (2.25 liters)
Roller Speed ..... 700 RPM
Tires ..... Two 10/80 x 12SR 4-Ply Tires on 7.00 x 12 Rims (Before Serial #2303) or Two 10/75 x 15SR 6-Ply Tires on 9.00 x 15 Rims (After Serial #2301)
Ground Travel Speed ..... 6 mph (9.5 kmh) or faster as conditions permit

Standard Features:

Slip Clutch protected Telescoping PTO Drive
Free-wheeling Overrunning Clutch in Disc and Roller Drive Line
Heavy synthetic flexible Protective Sheet Guard over the Cutterbar
Built-in and replaceable Stone Guard Plate on the Cutterbar
Cutterbar Knives have a 15° twist to lift the cut material over the Cutterbar
Adjustable Skid Shoes to regulate cutting height
Adjustable Cutterbar Flotation
Hydraulic Cylinder Cutterbar lift control
Repositionable Windrow Shields

CHECK LISTS

(Remove Dealer's File Copy At Perforati

PRE-DELIVERY

After the Disc Conditioner has been completely set-up, the following inspections should be made before delivering it to the Customer. Check off each item after prescribed action is taken.

Check that:

____ Disc Conditioner has been completely and properly set-up according to details in this manual.

____ All Grease Fittings have been properly lubricated and that the Gearbox and Cutterbar have been filled to their proper operating levels; see the Lubrication information.

____ All Guards, Shields and Decals are in place and securely attached.

____ All fasteners are properly secured.

____ All adjustments have been made to comply with settings given in the Adjustments information.

____ Record the Serial Number of this unit on this page and page 3.

Hook the Disc Conditioner up to a 540 RPM tractor and test-run the unit while checking that proper operation is exhibited by all components.

Check that:

____ All Blades, Discs and Rollers are turning freely.

____ All Mechanisms are operating smoothly.

____ The Hydraulic Hose connection is **NOT** leaking under pressure and that lift mechanism is operating smoothly and properly.

I acknowledge that pre-delivery service was performed on this unit as outlined above.

_____
Dealer's Name

By _____
Dealer's Set-up Man's Signature

Date Set-up _____

Serial Number _____

DELIVERY

The following Check List is an important reminder of valuable information that **MUST** be passed on to the Customer at the time the unit is delivered. Check off each item as you explain it to the Customer.

____ Give the Customer his Operator's Manual. Instruct him to be sure to read and completely understand its contents **BEFORE** attempting to operate his unit.

____ Explain and review with him the **SAFETY** information.

____ Explain to him that regular lubrication is required for continued proper operation and long life. Review with him the Lubrication information in this manual.

____ Explain to him the function of the Overrunning Clutch on the end of the PTO and the Slip Clutch on the Gearbox input.

____ Explain to him the function and value of the PTO Safety Chain, the Safety Clamp on the Transport Tube and flexible Sheet Cutterbar Protective Guard.

____ Explain the importance of proper tractor PTO shaft to Disc Conditioner Gearbox Drive Shaft alignment.

____ Demonstrate the proper use of the Locking Couplers on both ends of the Telescoping PTO Drive.

____ Completely fill out Owner's Registration, including Customer's signature, and return it to the GEHL Company.

I acknowledge that above points were reviewed with me at the time of delivery.

_____
Customer's Signature

Date Delivered _____

(Dealer's File Copy)

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(To be removed as Dealer's File Copy)

CHECK LISTS

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I acknowledge that above points were reviewed with me at the time of delivery.

_____
Customer's Signature

Date Delivered _____

(Note: Pages 5 and 6 Have Been Removed at Perforation)

SAFETY

BEFORE YOU ATTEMPT TO OPERATE THIS EQUIPMENT, READ AND STUDY THE FOLLOWING SAFETY INFORMATION. IN ADDITION, MAKE SURE THAT EVERY INDIVIDUAL WHO OPERATES OR WORKS WITH THIS EQUIPMENT, WHETHER FAMILY MEMBER OR EMPLOYEE, IS FAMILIAR WITH THESE SAFETY PRECAUTIONS.

GEHL Company always takes the operator and his safety into consideration when designing farm machinery and guards exposed moving parts for his protection; however, some areas cannot be guarded or shielded in order to assure proper operation. In addition, the operator's manual and decals on the machine itself warn you of further danger and should be read and observed closely.

The safety alert symbol above means **ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!** It stresses an attitude of **"HEADS UP"** for safety and can be found throughout this operator's manual and on the unit itself.

Remember: The careful operator is the best operator. Most accidents are caused by human error. Certain precautions must be observed to prevent the possibility of injury or damage.

Please read the rules listed below for safe operation **BEFORE** you operate this equipment.

Use of the word **CAUTION, WARNING** or **DANGER** herein and on the machine itself signals three degrees of hazard. **CAUTION** is used for general reminders of good safety practices or to direct attention to unsafe practices. **WARNING** is used to denote a specific potential hazard. **DANGER** is used to denote the most serious specific potential hazard.

MANDATORY SAFETY SHUTDOWN PROCEDURE

Work of any type on machinery is always more dangerous when the machine is operating. Therefore, unless otherwise expressly instructed to the contrary, BEFORE cleaning, adjusting, lubricating or servicing this unit, the following MANDATORY SAFETY SHUTDOWN PROCEDURE should ALWAYS be followed:

1. **Disengage the tractor PTO**
2. **Shut off the tractor engine**
3. **Wait for all movement to stop**
4. **Remove the Telescoping Drive Connection from the tractor PTO shaft**

ONLY when you have taken these precautions can you be sure it is safe to proceed. Failure to follow the above procedure, could lead to death or serious bodily injury!

Some photographs, used herein, may show Door(s), Guard(s), or Shield(s) open or removed for illustration purposes ONLY! BE SURE that all Door(s), Guard(s), or Shield(s) are in their proper position, BEFORE the machine is operated!

Know how to STOP Disc Conditioner operation BEFORE attempting to start it!

BE SURE that the PTO Locking Couplers are properly locked onto the tractor and Disc Mower Input Shafts BEFORE starting the tractor engine!

The operator MUST be seated on the tractor BEFORE starting and while operating the unit!

BE SURE ALL Guards, Shields and Doors are in place and properly secured BEFORE starting the tractor engine!

BEFORE cleaning, adjusting, lubricating or servicing this unit, exercise the following MANDATORY SAFETY SHUTDOWN PROCEDURE: disengage the tractor PTO, stop the tractor engine, make sure ALL movement has STOPPED and remove the Telescoping Drive from the tractor PTO shaft!

DO NOT allow minors to operate or be near the Disc Conditioner unless properly supervised!

DO NOT allow personnel other than a qualified operator near the Disc Conditioner!

DO NOT attempt to clean, adjust or lubricate the Disc Conditioner when any part is in motion!

DO NOT wear loose or baggy clothing when operating the Disc Conditioner!

DO NOT open any Guards or Shields when the unit is running!

DO NOT attempt to operate the Disc Conditioner unless the Guard Tube on the PTO is chained to the tractor!

DO NOT work under the machine unless the Safety Clamp is installed in the Transport Tube!

DO NOT exceed a maximum speed of 20 mph (32 kmh) when transporting the Disc Conditioner!

DO NOT attempt to hook a 1000 RPM tractor on this unit!

GENERAL INFORMATION

The following abbreviations are used in this manual.

FHSCS - Flat Head Socket Cap Screw
HFLS - Hexagon Flanged Lock Screw
HHCS - Hexagon Head Cap Screw
RHMS - Round Head Machine Screw
SHCS - Socket Head Cap Screw
CN - Castellated Nut
HFLN - Hexagon Flanged Lock Nut
HJN - Hexagon Jam Nut
HLN - Hexagon Lock Nut
HN - Hexagon Nut
NILN - Nylon Insert Lock Nut
LW - Lock Washer
SW - Star Washer

General Bolt Torque Data in Ft-Lb*

BOLT SIZE	GRADE					
	8.8		10.9		12.9	
Metric	DRY	LUB.	DRY	LUB.	DRY	LUB.
M6	8	6	11	8	13.5	10
M8	19	14	27	20	32.5	24
M10	37.5	28	53	39	64	47
M12	65	48	91.5	67.5	111.3	82
M14	103.5	76.5	145.5	108	176.5	131
M16	158.5	117.5	223.5	165.5	271	200.5

***Multiply by (1.383) for metric N-m**

The GEHL DC1080 Disc Conditioner is a machine that can mow, condition and windrow in one operation. The Disc Conditioner is a trailing type machine which is mounted on two wheels and designed to be driven by a standard 540 RPM tractor PTO. The Conditioner Drawbar angle can be conveniently changed from the tractor seat by means of a Control Cord to switch between the transport and operating positions. Cutterbar height is raised or lowered using a tractor control hydraulic Lift Cylinder (provided). Cutting height and ground pressure are independently adjustable.

The mowing portion of the Disc Conditioner is composed of six cutting discs which all are revolving in opposite directions next to each other. After the crop is cut, it is taken up by the Rubber Rollers and conditioned between the Rollers. Once out of the Rollers, the crop is windrowed on the ground by adjustable position Windrow Shields. On leafy and thick-stemmed crops, the leaves dry faster than the stems. By conditioning the stems, moisture loss is accelerated and the drying process is evened out to help prevent excessive leaf loss. A good method for measuring the conditioning effect is to check the crop next to the ground. Take a few stalks and hold them horizontally; the top ends should hang down.

PREPARING THE TRACTOR

To help insure a stable connection between the tractor and the Disc Conditioner, a fixed-position tractor drawbar should be used. In addition, the length of the drawbar **MUST** also be properly adjusted.

CAUTION: BE SURE that the tractor is equipped with proper guarding above and on both sides of the PTO.

For operating the hydraulic Lift Cylinder, a 3/8 x 1-1/2 pipe coupling and the appropriate quick-disconnect (**NOT** provided) **MUST** be attached to the Lift Cylinder Hose. Use Teflon tape on fitting to help prevent leaks.

MOUNTING TO THE TRACTOR

In order for the Disc Conditioner to be properly connected to a tractor, the Conditioner Tongue Hitch position **MUST** be properly established with respect to the height of the tractor drawbar and fixed distance between the PTO shaft and drawbar. Proper positioning of the Conditioner Hitch involves appropriate orientation and attachment of the Conditioner Hitch Clips to the Tonque.

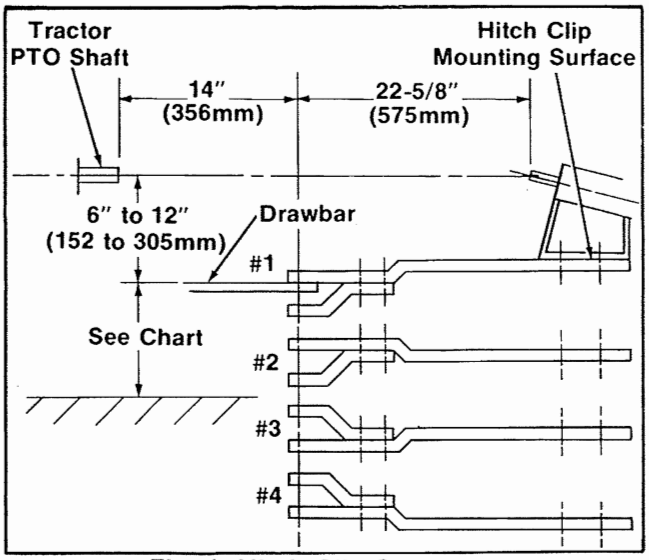


Fig. 1: Hitch Clip Setup

Tractor Drawbar Height				Hitch Clip Mounting From Ground
#1	#2	#3	#4	
12(305)	14(356)	15(381)	18(457)	14½(368)Min.
12(305)	15(381)	16(406)	18(457)	15(381)
13(330)	16(406)	17(432)	19(483)	16(406)
14(356)	17(432)	18(457)	20(508)	17(432)
15(381)	18(457)	19(483)	21(533)	18(457)
16(406)	19(483)	20(508)	22(559)	19(483)
17(432)	20(508)	21(533)	23(584)	20(508)
18(457)	20(508)	21(533)	24(610)	20⅜(518)Max.

Fig. 2: Tractor Drawbar Height Table with All Dimensions in In. (mm)

To establish the correct Hitch Clip orientation, the first step is to know (by measurement) the actual tractor drawbar height or distance from the ground to the top of the tractor drawbar. With the tractor drawbar height known, the correct Hitch Clip mounting height can be established for proper Conditioner flotation. Once this measurement is obtained, the dimension can be located in the "Tractor Drawbar Height" table to determine which Hitch Clip position will be required. Then, bolt the Hitch Clips to the Conditioner tongue in the appropriate position #1, #2, #3 or #4, as shown.

NOTE: Where the same height is listed in the table, BE SURE to select the appropriate required Hitch Clip position (#1, #2, #3 or #4) which will bring the Conditioner PTO Shaft more closely into alignment with the tractor PTO shaft. Tractor drawbar to PTO shaft distances may vary from 6 to 12". For a 6" tractor drawbar to PTO distance, select the minimum Hitch Clip mounting height, or for a 12" tractor drawbar to PTO distance, select the maximum Hitch Clip mounting height.

The drawbar of the tractor should be adjusted to a distance of 14" (356 mm) from the end of the PTO shaft to the center of the drawbar hole (Fig. 3). When the PTO shaft to drawbar hole distance is 14" (356 mm) the Conditioner Tongue should be attached in the farthest extension for a distance of 22-5/8 (575 mm) between the Gearbox Input Shaft to the Clevis holes.

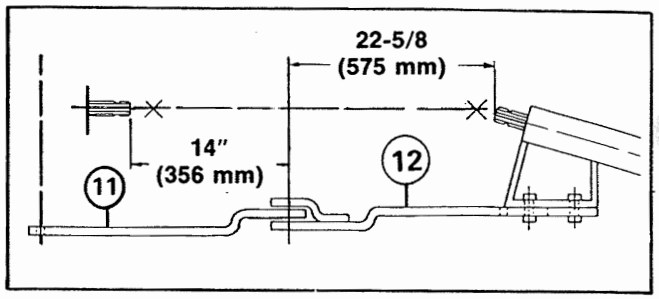


Fig. 3

TRANSPORT POSITION

The Disc Conditioner Drawbar can be adjusted four positions (Fig. 4). The far left position (A) is for transport. The Drawbar Locking Catch can be operated by a pull cord attached to the tractor. Lower the Conditioner and pull the Cord to release the Catch and drive the Conditioner ahead or back to reposition the Drawbar.

The tractor drawbar can be placed either to the left or the right to position the Conditioner Drawbar into transport.

NOTE: Because of large tractor sizes, the 14" (356 mm) PTO shaft to drawbar hole distance might NOT be achieved. In this situation only, the tractor drawbar can be set to 16" (406 mm) and the conditioner Tongue MUST be set back to a distance of 20-1/16" (510 mm).

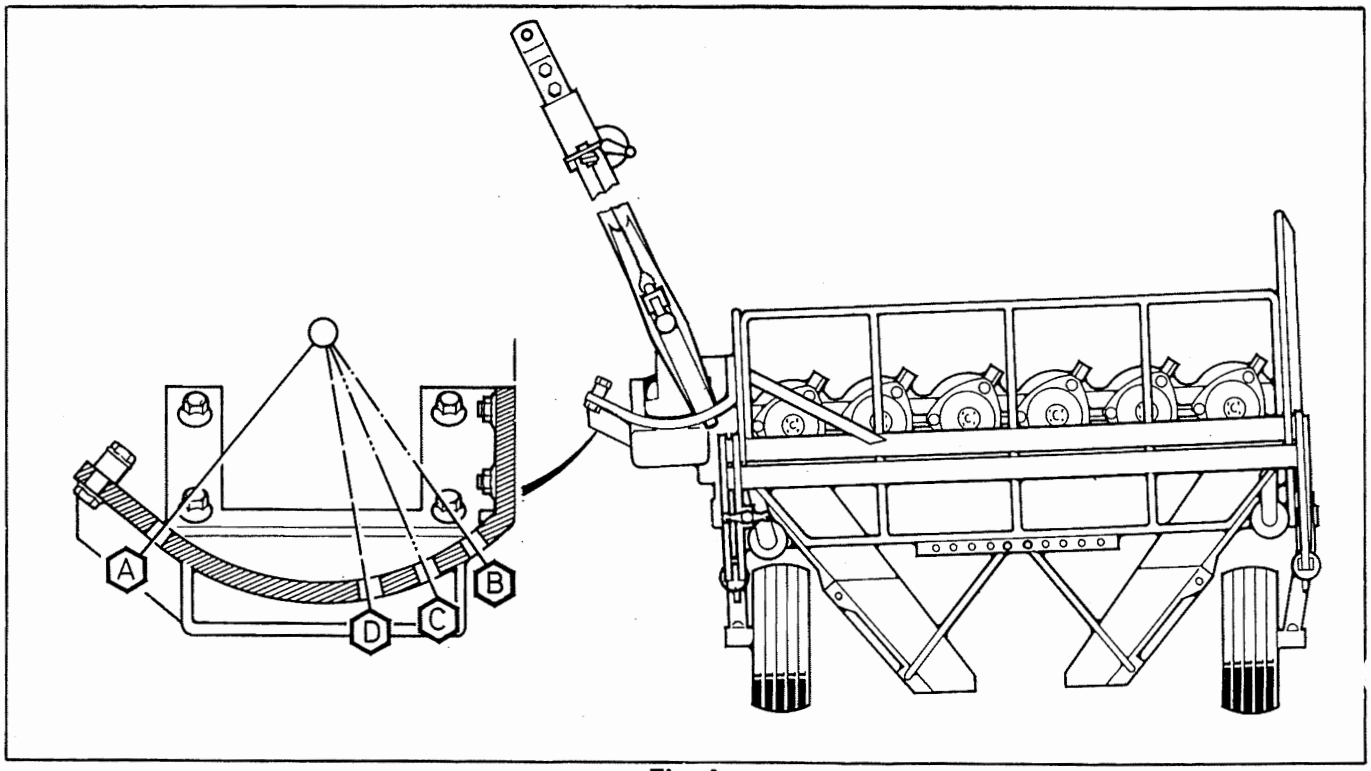


Fig. 4

The Disc Conditioner can be raised and lowered with the hydraulic Lift Cylinder provided. Attach the Cylinder Hose through a quick-disconnect to the tractor (2 of Fig. 5). The Hose is fitted with a standard 3/8 Pipe Nipple. To route the Hose properly, the "Lead-eye" is mounted on to the front of the Conditioner Drawbar (3 of Fig. 5).

Before transporting the Disc Conditioner, move the Drawbar to position "A" (Fig. 4), then the unit should be raised with the hydraulic Lift Cylinder. When in the transport position, the unit **MUST** be locked up with a Lock Clamp (4 of Fig. 6), fitted around the Spindle of the Cutterbar Pressure Adjustment and secured with the Springclip (5 of Fig. 6). The Lock Clamp provides a positive mechanical lock to hold the Conditioner in the transport position. **BE SURE** to remove the Lock Clamp before attempting to lower the Conditioner to the operating position.

CAUTION: BEFORE disconnecting the Conditioner from the tractor, BE SURE to relieve hydraulic pressure in the Lift Cylinder.

WARNING: ALWAYS secure the Disc Conditioner Lift Cylinder in the transport position with the Lock Clamp and Spring Clip BEFORE proceeding to work under the unit.

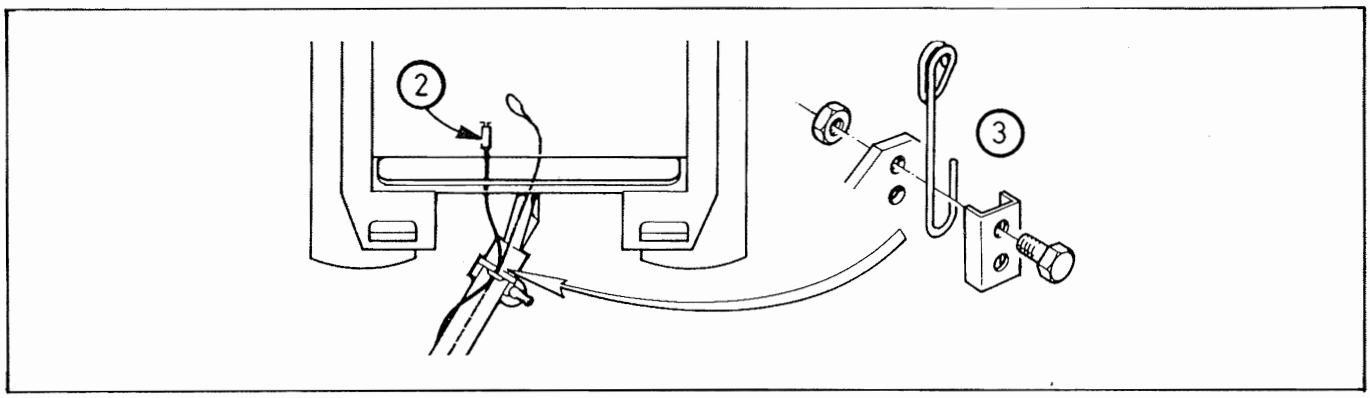


Fig. 5

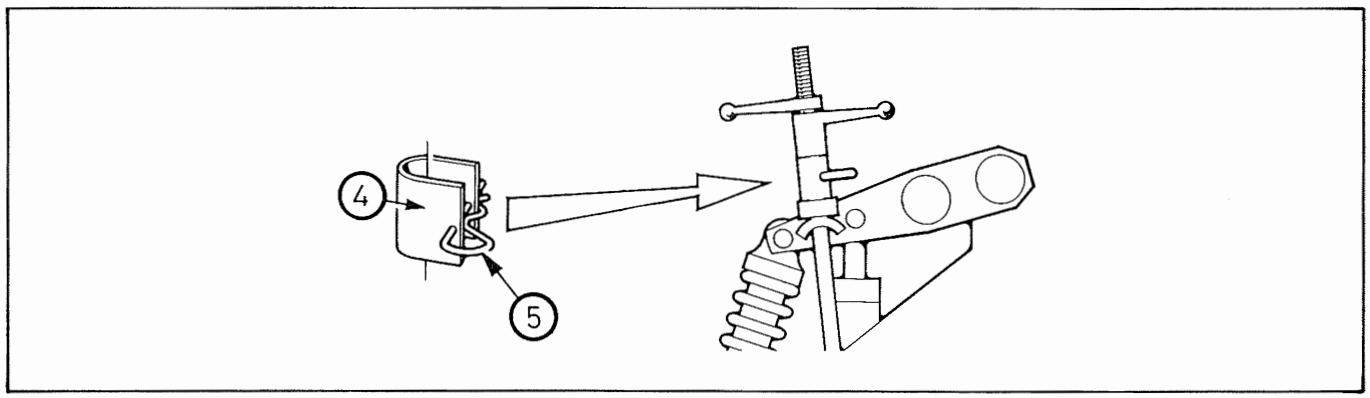


Fig. 6

WHEEL PRESSURE AND DRAWBAR POSITIONS

The amount of applied pressure on the Wheels is directly related to the position of the Drawbar (Fig. 7).

A - Transport Position
B - Operating Position for use with tractor with a 70-7/8″ (1800 mm) trackwidth
C - Operating Position for use with tractor with a 59″ (1500 mm) trackwidth
D - Operating Position for use with any trackwidth tractor on sloping land

With the Flotation Springs, the pressure on the Wheels can be influenced. Two holes are provided on the Axle Supports to further adjust the pressure on the Wheels. Proper Flotation Springs and Drawbar setting are as listed:

When the Drawbar is set in position B, place the Flotation Springs in the left and the right rear hole positions on the Axle Supports.

When the Drawbar is set in position C, place the Flotation Springs in the left and the right front hole positions on the Axle Supports.

When the Drawbar is set in position D, place the left Flotation Spring in the rear hole position on the left Axle Support and the right Flotation Spring in the front hole on the right Axle Support.

When the Disc Conditioner is attached in a given position on the tractor, it is possible to carry-out a simple test by lifting the unit (by hand) on the right side near the Windrow Shield. The weight should be approximately 110 lb (50 kg) (2 of Fig. 4) adjusted by the Wing Nut on the Ground Pressure Adjustment (3 of Fig. 4). Refer to the following topic for additional information.

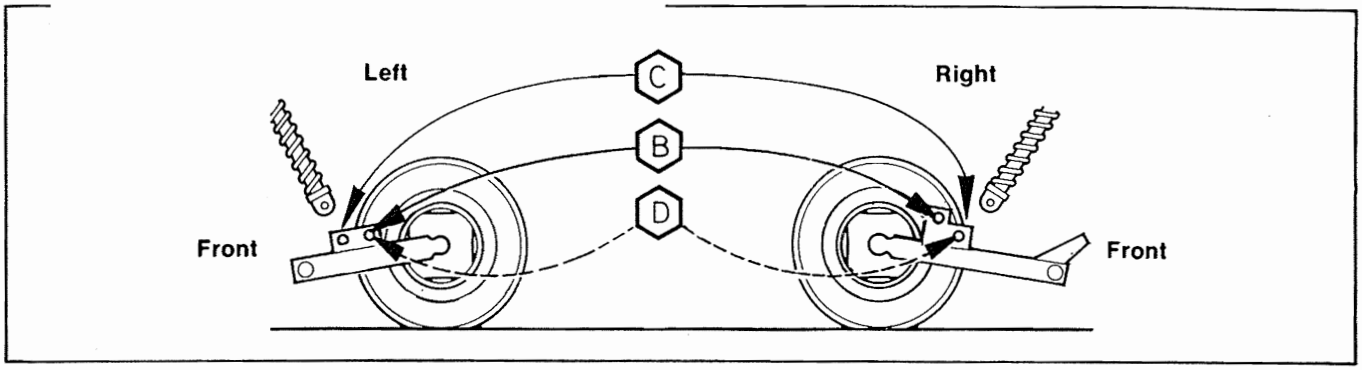


Fig. 7

GROUND PRESSURE

The Cutterbar ground pressure is adjustable by means of a Spindle (1 of Fig. 8). The pressure can be adjusted as follows:

1. First raise the Conditioner with the hydraulic Lift Cylinder.
2. Loosen (unlock) the Lock Wing Nut (3 of Fig. 8).
3. Rotate the bottom Wing Nut Handle counter-clockwise to increase pressure and clockwise to decrease pressure (Figs. 9 & 10).
4. After the desired pressure is adjusted, **BE SURE** to lock the pressure setting by tightening the Lock Wing Nut (3 of Fig. 8).

NOTE: Irregular cutting can occur as a result of either driving too fast for conditions or because of too little pressure on the Cutterbar. When the Skids clearly display deep tracks in the ground, the Cutterbar pressure is definitely set too strong; reduce the pressure.

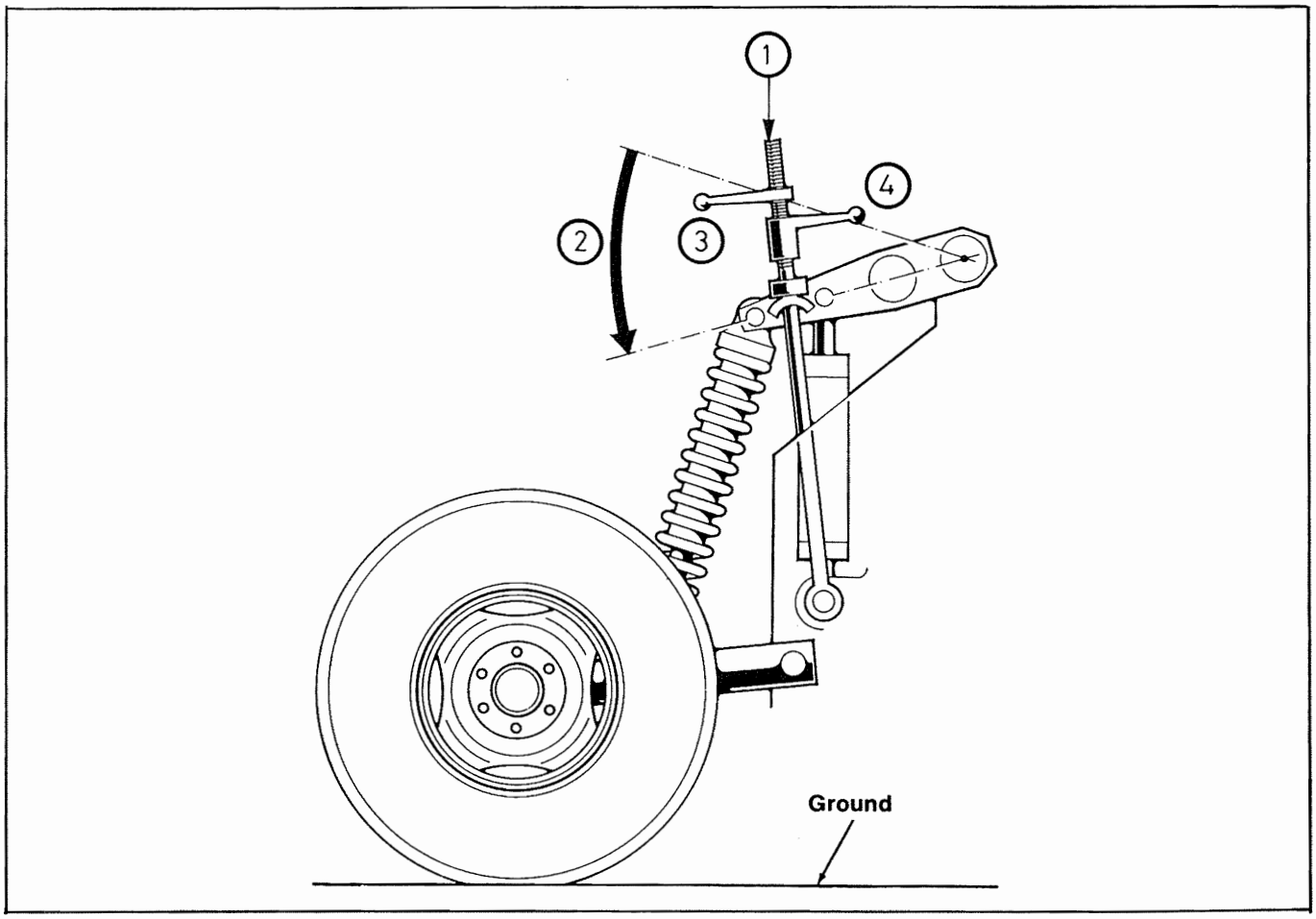


Fig. 8

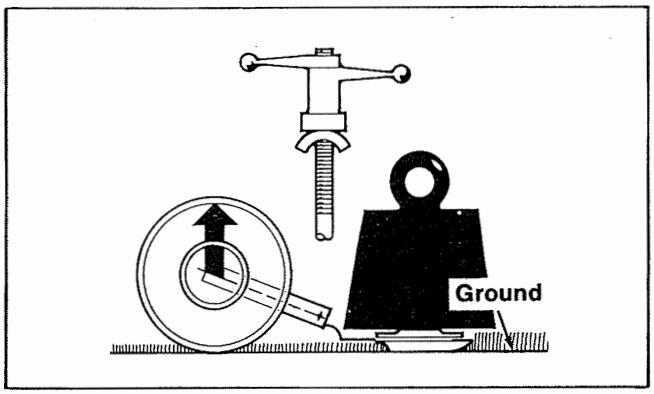


Fig. 9

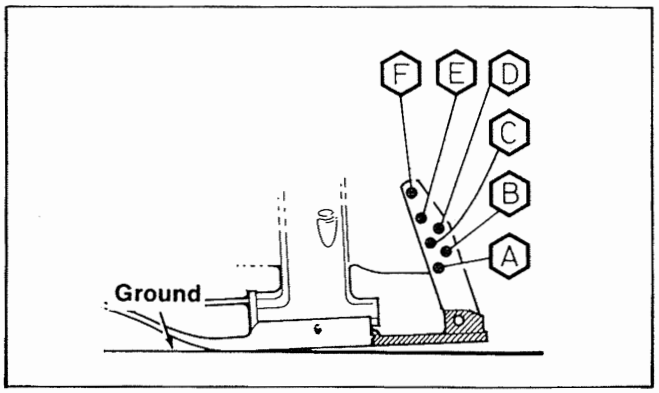


Fig. 11

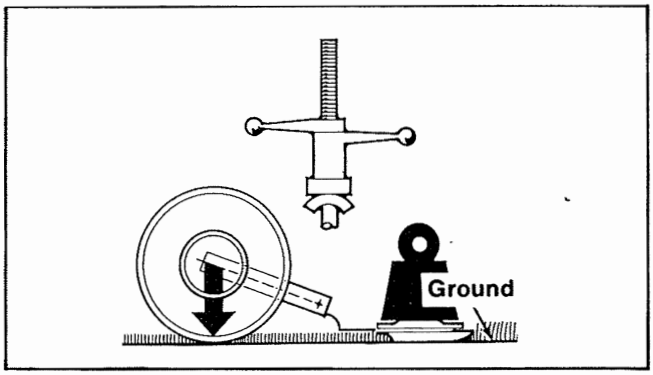


Fig. 10

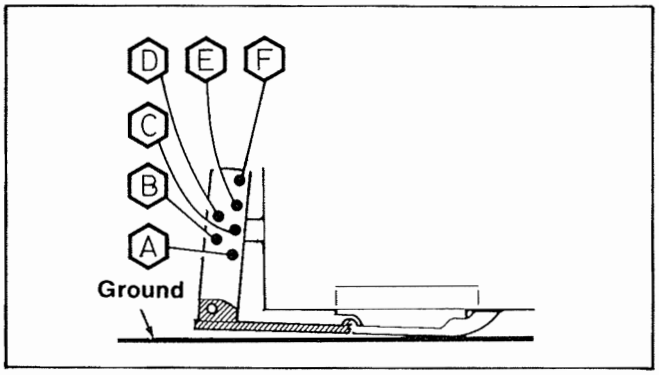


Fig. 12

CAUTION: BE SURE to check the entire area for spectators and/or obstructions BEFORE proceeding to mow the crop.

MOWING

Choose the appropriate tractor speed and PTO speeds for travel of approximately 6 mph (9.5 kmh). The cutting height will vary, depending on the Hitch Clip mounting height. (Refer to the "Mounting to the Tractor" topic for appropriate mounting details). The cutting height can be adjusted with the Skids on both ends of the Cutterbar (Figs. 11 & 12).

Position A gives a minimum cutting height

Position F gives a maximum cutting height

Positions B thru E adjusts the cutting height by 7/16" increments.

Start into the crop with the Cutterbar raised. Then, engage the tractor PTO and allow the engine RPM build-up to the recommended speed before lowering the Cutterbar and proceeding to cut.

NOTE: Figs. 13 & 14 have been intentionally omitted.

RUBBER CONDITIONER ROLLERS

The Top Roller serves two purposes; it determines the distance between the Rollers and it also determines the pressure on the Rollers. While the Rollers are turning, they **MUST NOT** touch. The initial adjustment for proper Roller gap is factory set (1 of Fig. 15). Should adjustment be required, use the Castellated Nut (2 of Fig. 15) and readjust the space. For more gap between the Rollers, loosen the Locking Nut (3 of Fig. 15) and rotate the Castellated Nut clockwise. Retighten the Locking Nut. Any gap adjustment made should be carried-out on both ends of the Rollers in order to maintain equal pressure. After the adjustment has been made, test-run the unit at proper operating speed. By adjusting the Roller pressure the conditioning operation can be increased or decreased using the M20 Bolts (Fig. 15). First loosen the Locking Nut (5 of Fig. 16). Rotate the Bolt clockwise (4 of Fig. 16) for more tension and higher conditioning operation or rotate the Bolt counterclockwise for less tension and lesser conditioning operation. To ensure even conditioning along the full width of the Roller distance, both ends of the Roller should be adjusted the same amount.

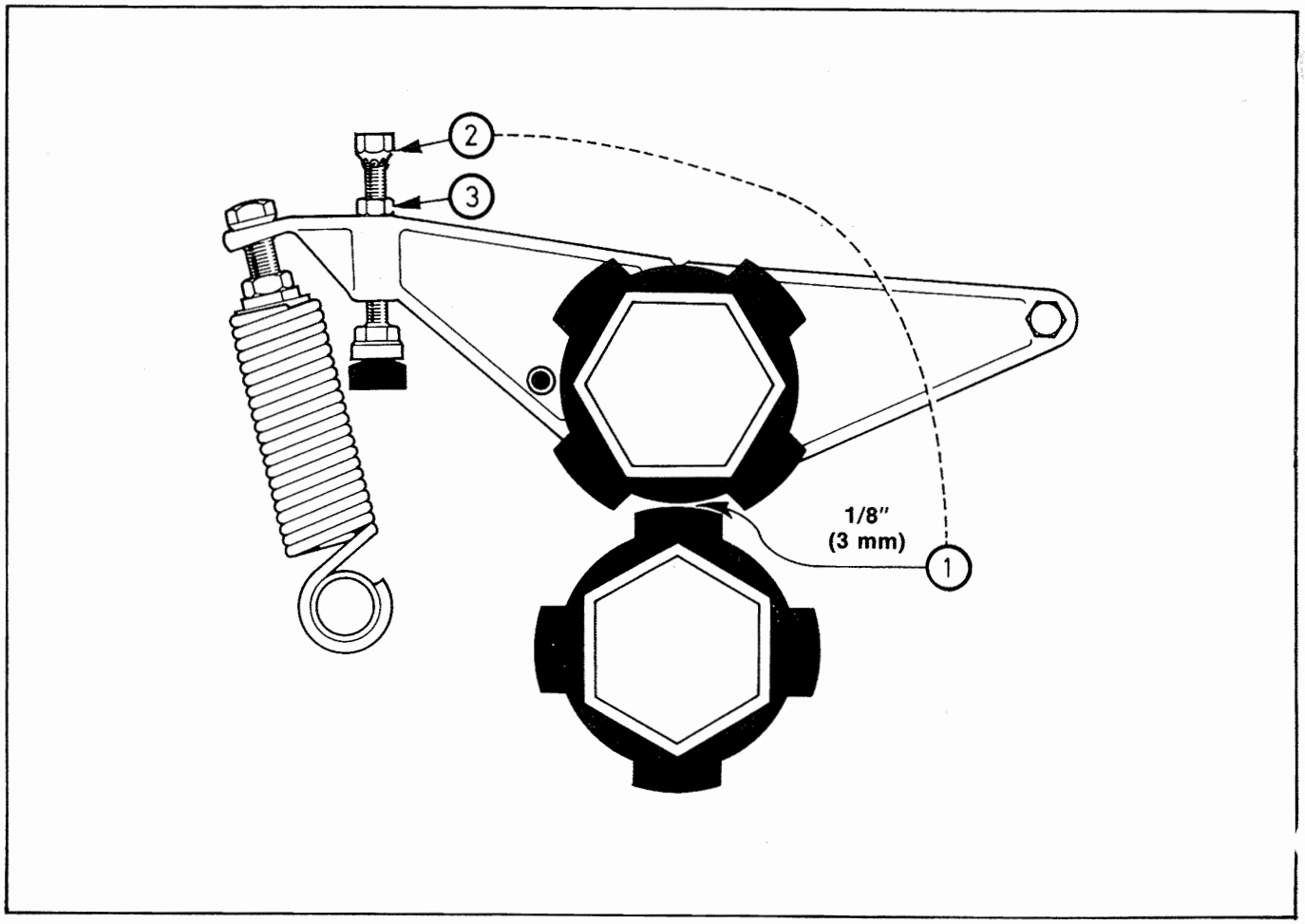


Fig. 15

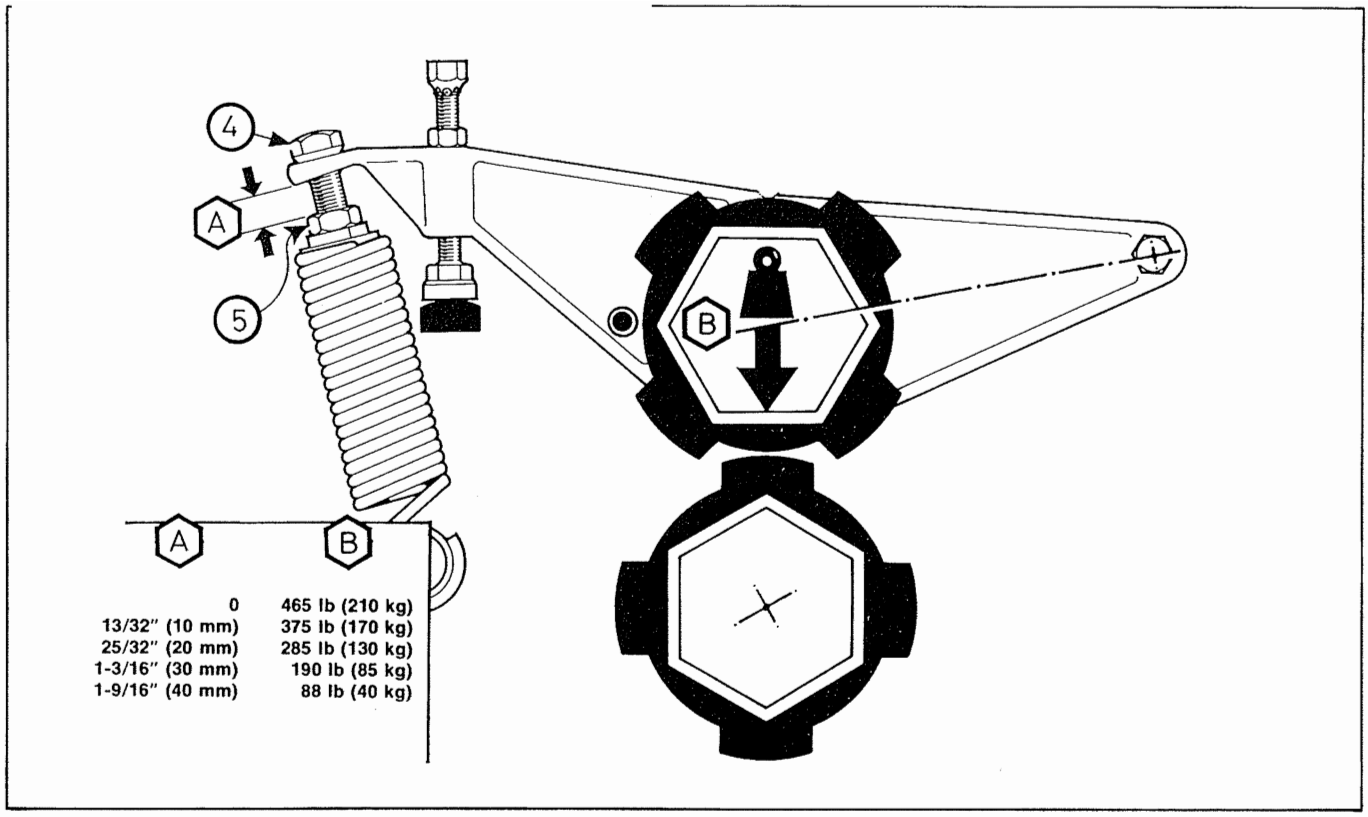


Fig. 16

SWATHDOORS

The width of the Windrow Shields is adjusted between 25-3/4" (650 mm) and 55-1/8" (1400 mm) (1 of Fig. 17). A total of 10 equally spaced holes (Figs. 18, 19 & 20) are provided to adjust the Shields in the desired positions. Press the Steel Bar downward and move it to a different hole as desired (Fig. 21).

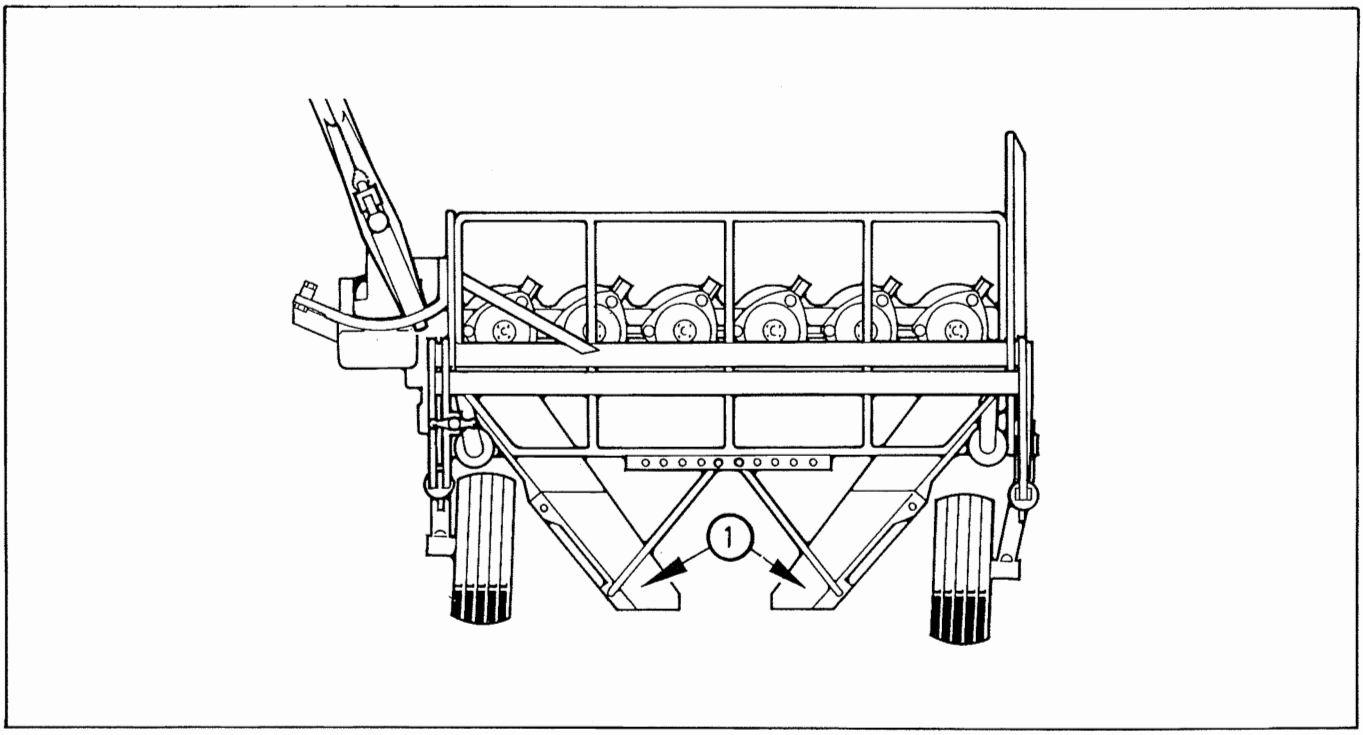


Fig. 17

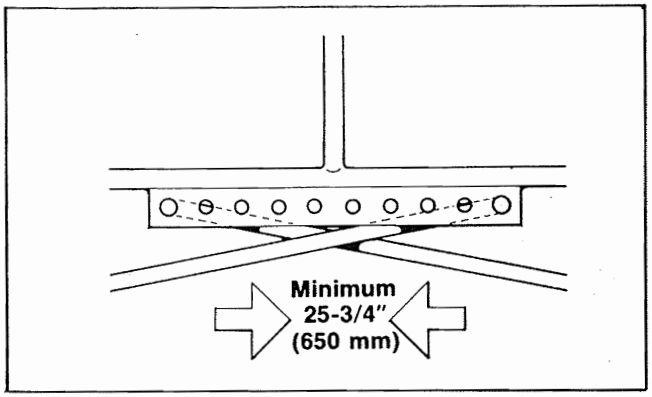


Fig. 18

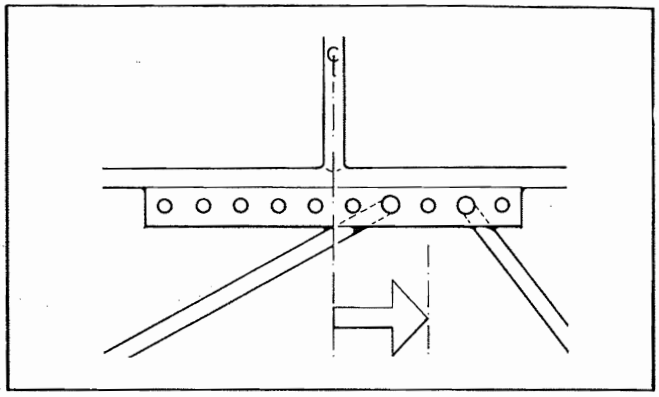


Fig. 20

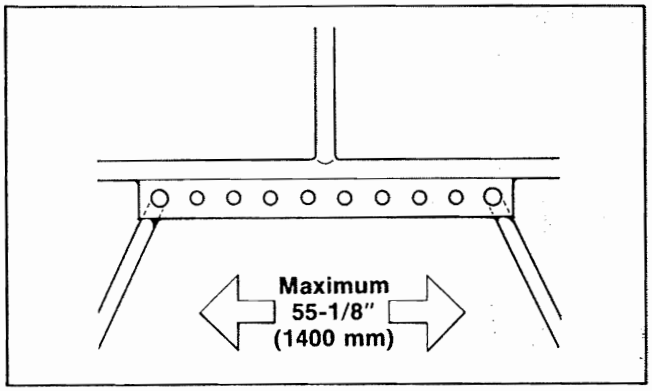


Fig. 19

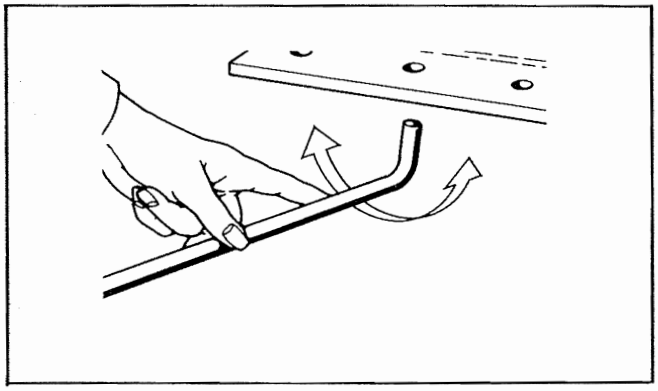


Fig. 21

KNIFE CHANGING

CAUTION: Exercise the MANDATORY SAFETY SHUTDOWN PROCEDURE (page 8) BEFORE PROCEEDING.

GEHL Disc Conditioners are equipped with twisted Knives which are designed to provide the lowest cutting level. In general, the Knives can be operated when the Cutterbar is in the flat horizontal position. Both clockwise rotating and counterclockwise rotating Knives are used. Knives are marked with direction of rotation arrows (Fig. 22). All GEHL Knives are double-edged and reversible. As the Discs are rotating in opposite directions next to each other, the direction of rotation of all Knives **MUST** be followed exactly, to insure the best cutting action. The Knife Bolts can be loosened with the wrench provided. To facilitate Knife assembly or removal, place the Cutterbar up by placing the unit in the transport position and installing the Lock Clamp in the Mowerbed Pressure Adjustment.

WARNING: BE SURE to install the Lock Clamp in the Mowerbed Pressure Adjustment when the Conditioner is raised in the transport position and lock the Clamp with the Springclip.

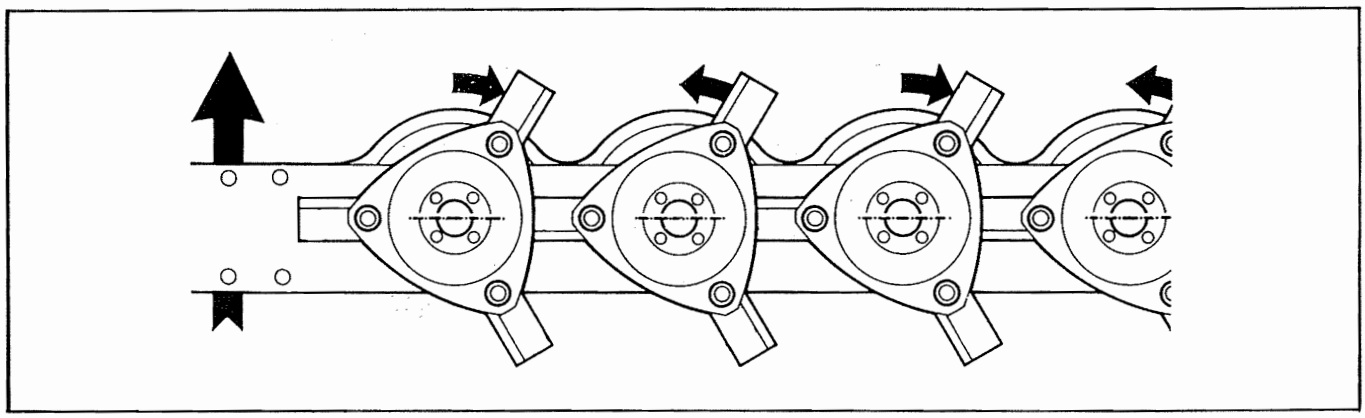


Fig. 22

NOTE: **BE SURE to use only GEHL replacement Knives, to insure the best cutting action and promote long life. To make Disc stationary while loosening the Knife Bolt, temporarily stop the Disc with a wooden wedge or hammer handle (Fig. 23).**

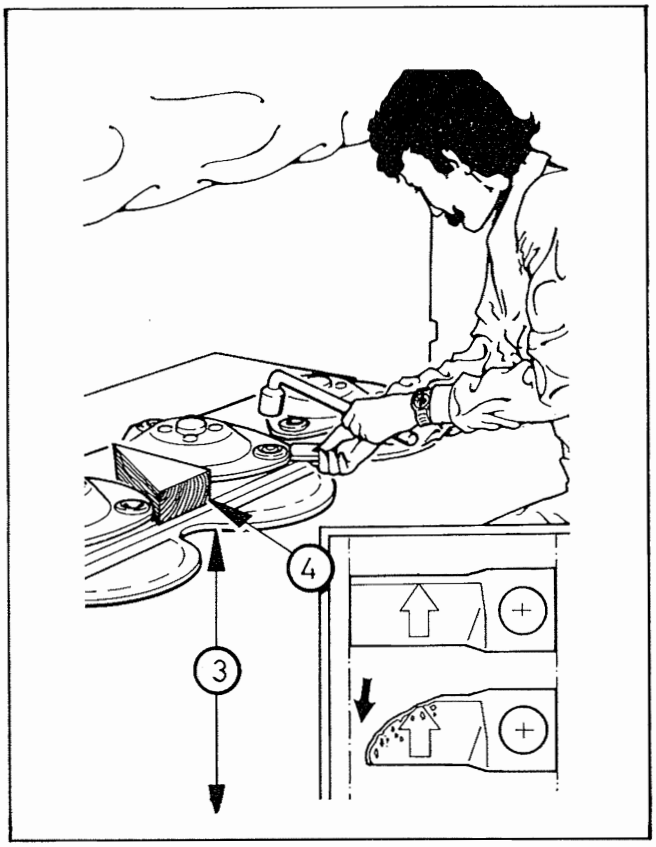


Fig. 23

If cutting quality decreases, make the following inspections:

1. Check that the Discs are running at full speed, that the tractor PTO speed is proper and that the ground travel speed is appropriate for conditions. Excessive travel speed can greatly affect the quality of cut.

2. Check that the Knives are the proper rotation, are sharp and are full size.

3. Check the cutting height and make the necessary readjustment on the Skids on both sides (Fig. 24).

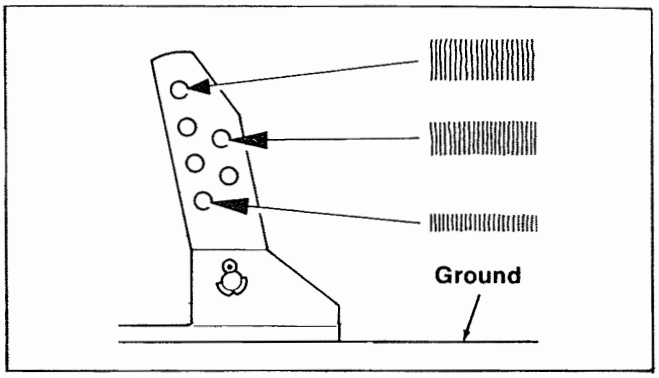


Fig. 24

4. If a satisfactory stubble height adjustment can **NOT** be obtained by adjusting the Skids, recheck and (if necessary) readjust the Conditioner Drawbar. Refer to the "Mounting to the Tractor" topic for details. Setting the Drawbar to the proper height will help to eliminate double and triple cutting.

5. If a build-up of dirt, grass or trash exists, remove it and wash down the Cutterbar before or after the Conditioner is operated.

WARNING: Be extremely careful while cleaning the Cutterbar area. Use a screwdriver (and NOT your hands) to breakup any dirt build-up or to loosen twisted grass. NEVER remove the Cutterbar Protective Sheet.

6. The Cutterbar Protective Sheet should be adjusted so that it just touches the ground (Fig. 25).

7. If the cutting height is irregular, adjust the travel speed slower or raise the ground pressure of the Cutterbar.

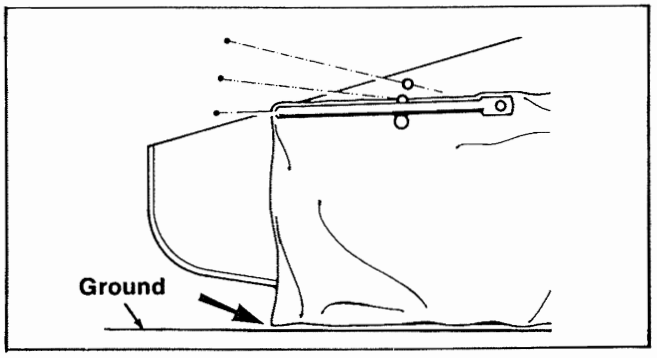


Fig. 25

OIL LEVEL

The Gearbox (1 of Fig. 26) and the Cutterbar (2 of Fig. 26) are filled to the correct operating level with HD90 oil before shipment. Oil should be drained and replaced at the start of each season of operation. Check the oil level each morning before starting the unit; this is desirable to allow the oil to settle overnight. A decal is provided which displays the correct procedure to follow for checking the oil in the Cutterbar.

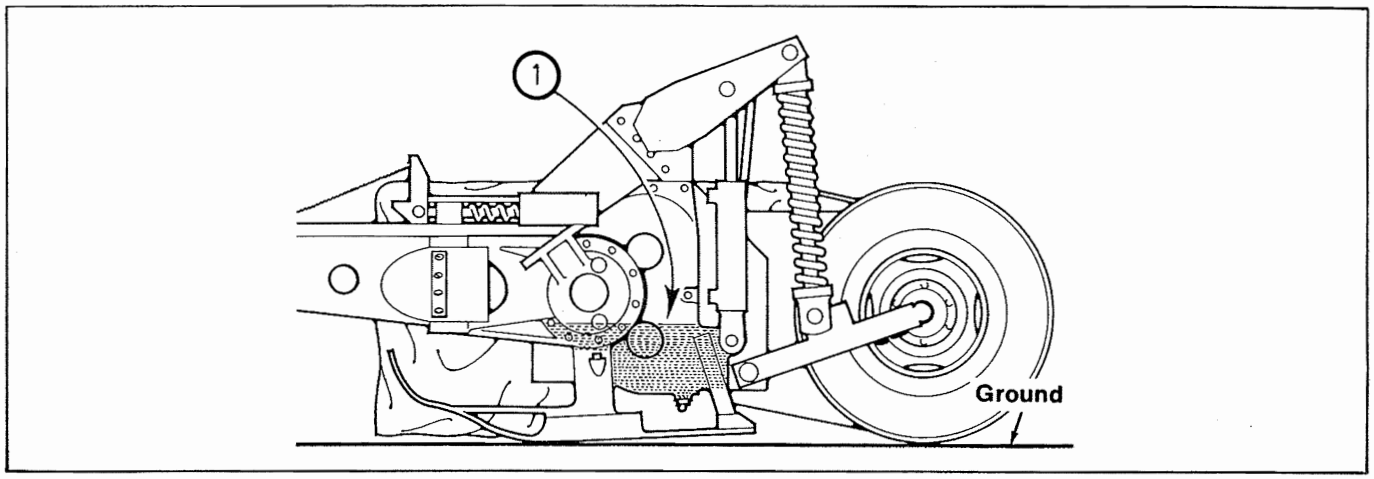


Fig. 26

FILLING PLUGS & OIL CONTENTS

CAUTION: Exercise the MANDATORY SAFETY SHUTDOWN PROCEDURE (page 8) BEFORE proceeding

The Disc Conditioner Gearbox is provided with Plug A for filling and ventilation (Fig. 27), Plug B for checking the oil level (which should be maintained at approximately 1.3 U.S. Gallon or 5 liters) and Plug C for draining the oil. The Cutterbar is provided with Plug D (Fig. 28) for filling, Plug E for checking the oil level (which should be maintained at approximately 0.6 U.S. Gallons or 2.25 liters) and Plug F for draining the oil.

NOTE: Plug E and Plug F can be removed using the metric Allen wrench furnished in the Toolbox.

To check the oil level in Cutterbar area, first take the Jack and lock it into the Hub on the right side of the Conditioner (Fig. 29). Raise the unit, with the Jack so that the Front Hinge is 13-3/4" (350 mm) off the ground.

Leave the Conditioner stand overnight and the oil will settle. Then, in the morning check if the oil level has reached the plug opening (E) (Fig. 28). Replenish the oil level if necessary.

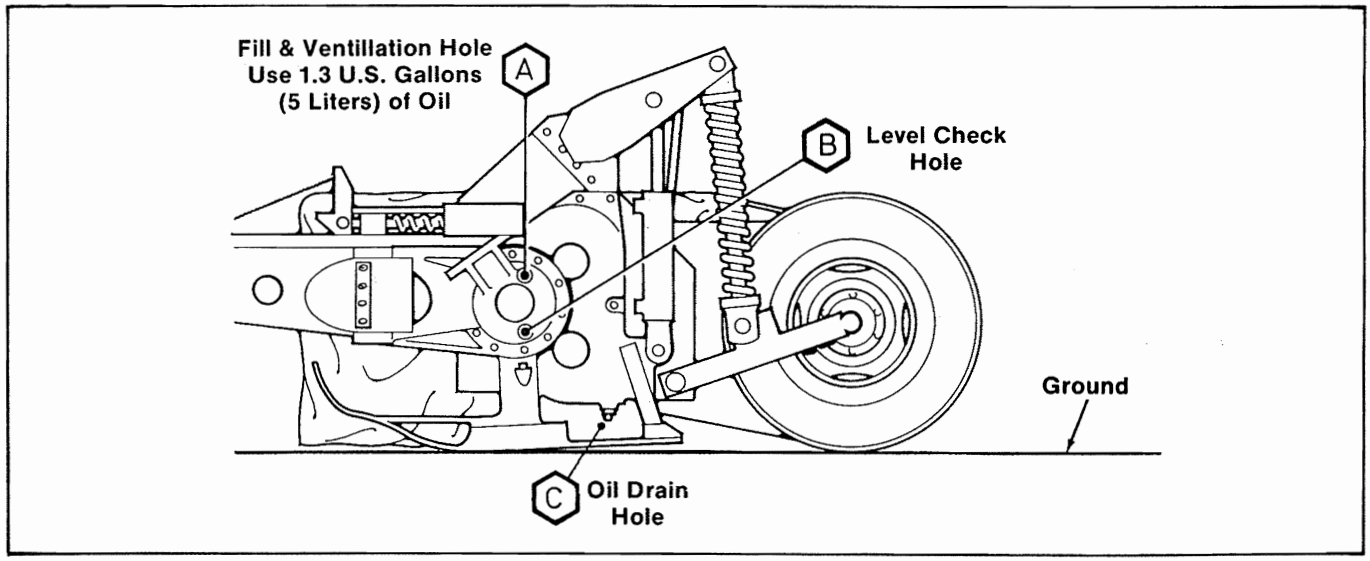


Fig. 27: Gearbox Plug Locations

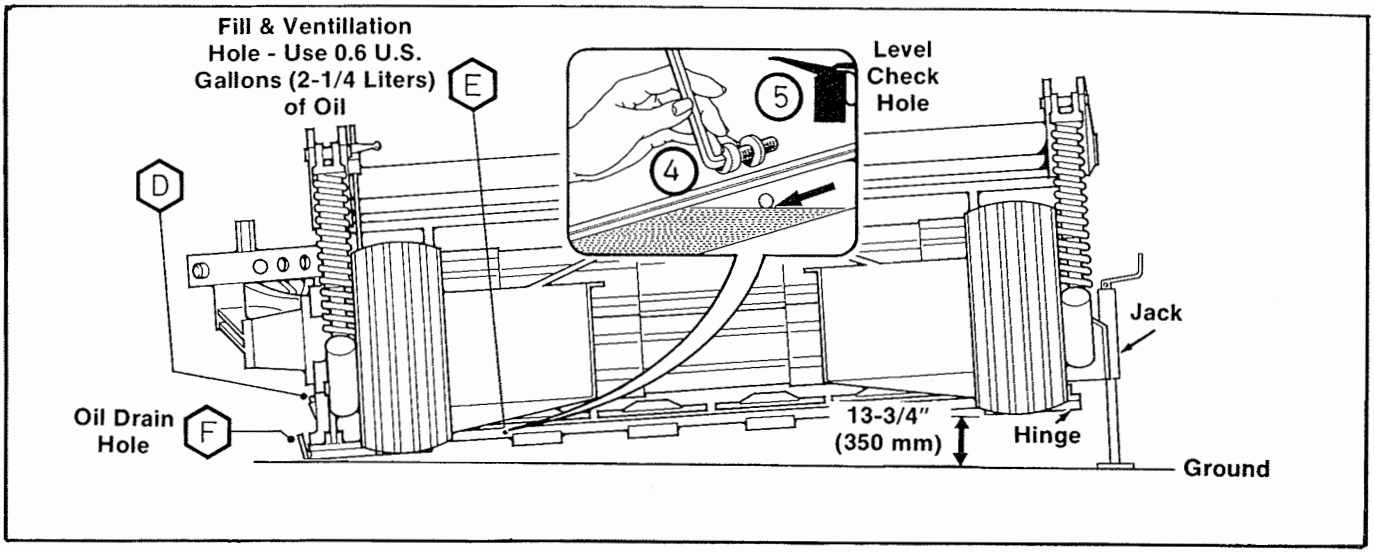


Fig. 28: Cutterbar Plug Locations

DRAINING AND FILLING

CAUTION: Exercise the MANDATORY SAFETY SHUTDOWN PROCEDURE (page 8) BEFORE proceeding

Place the Disc Conditioner on an angle as previously described, remove Plug F and drain the oil. To improve the oil flow, loosen Plug E. When the Cutterbar has been drained, replace Plug F and fill the Cutterbar from Plug D with 0.6 U.S. Gallons (2.25 liters) until the oil starts to show at the level check Plug E. Then, replace Plugs D and E.

NOTE: Use a good grade of HD90 oil and avoid overfilling, since this could cause excessive heat build-up and could result in possible damage to the mechanism.

BOLT & HARDWARE CHECK

CAUTION: Exercise the MANDATORY SAFETY SHUTDOWN PROCEDURE (page 8) BEFORE proceeding.

After the Disc Conditioner has been operated for approximately 1 hour, all attaching hardware should be checked and retightened. Hardware torque should be checked on a routine basis after every 10 hours of operation (Fig. 30).

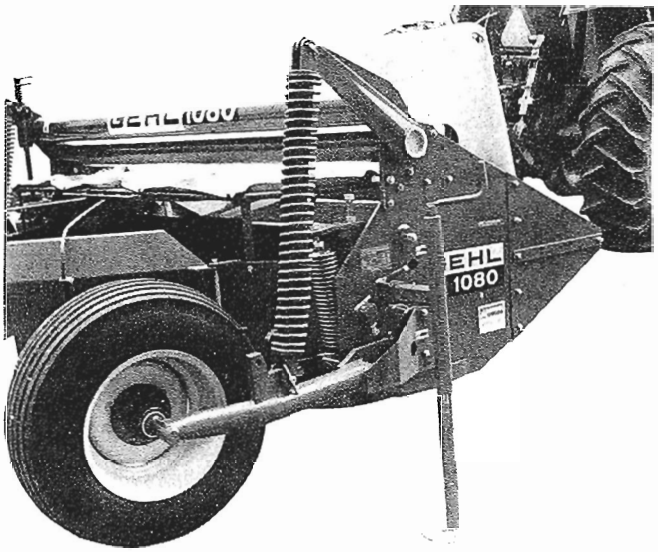


Fig. 29: Jack Being Used to Check Cutterbar Oil Level

NOTE: Because the Cutting Knives rotate at a speed of 3000 RPM, proper Knife Bolt torque MUST be maintained at 65 ft-lb (90 Nm). Check also that the Gearbox Bolts are torqued to 180 ft-lb (250 Nm) and the Bolts on the Mower Discs are torqued to 65 ft-lb (90 Nm).

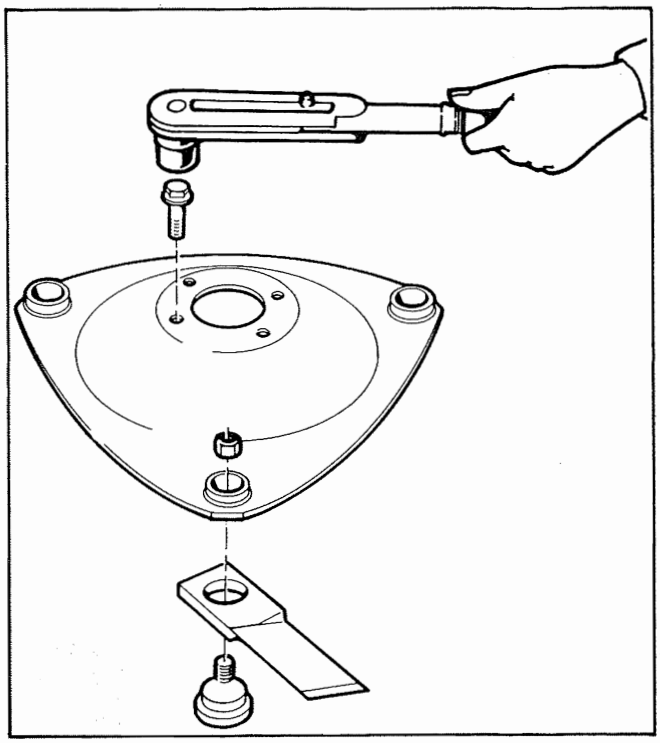


Fig. 30

TOOLBOX SUPPLIES

The following items are supplied in the Toolbox when the unit is delivered: a Drawbar, Skid and Upper Roller Adjustment Wrench, a Drain Plug Wrench, the Mowerbed Pressure Adjustment Lock Clamp and Springclip, 9 Counterclockwise rotating Knives and 9 Clockwise Rotating Knives, 4 extra Knife Bolts and 4 extra Knife Bolt Nuts.

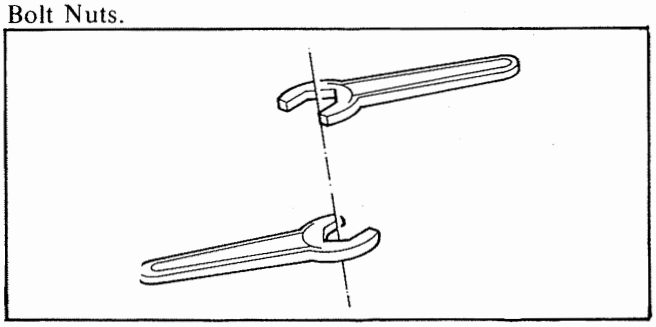


Fig. 31

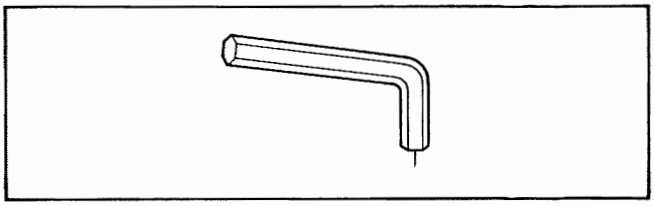


Fig. 32

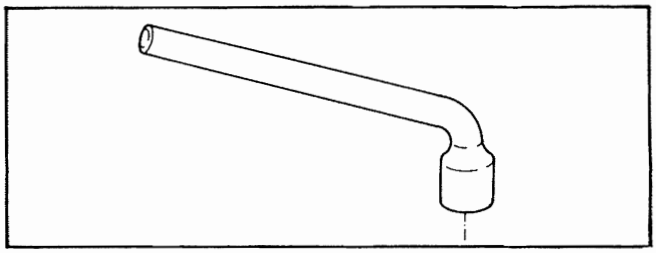


Fig. 33

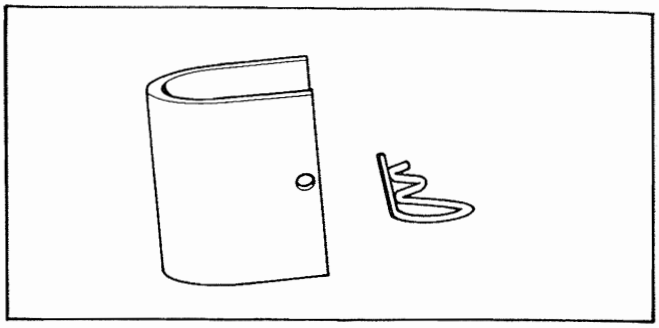


Fig. 34

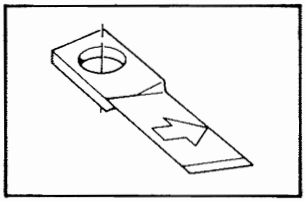


Fig. 35

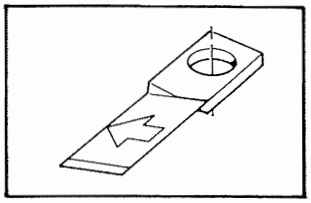


Fig. 36

Fig. 37

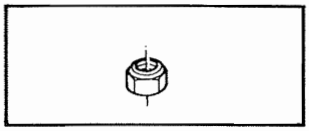


Fig. 38

SLIP CLUTCH SERVICE

After long periods of Conditioner storage and before the start of each season of use, the Slip Clutch **MUST** be activated to insure that it is free to slip and avoid transmitting excessive torque because of sticking Plates.

To activate the Clutch, first remove the Shield over the Slip Clutch assembly to gain access for tightening the (4) Nuts on the back of the Clutch assembly (Fig. 39). Then, with the tractor hooked-up, momentarily engage the PTO at idle and observe that the Friction Plates are free. When this observation is made, the (4) Nuts can be untightened and restored to their original condition before replacing the Shield. The unit is now ready to resume operation.

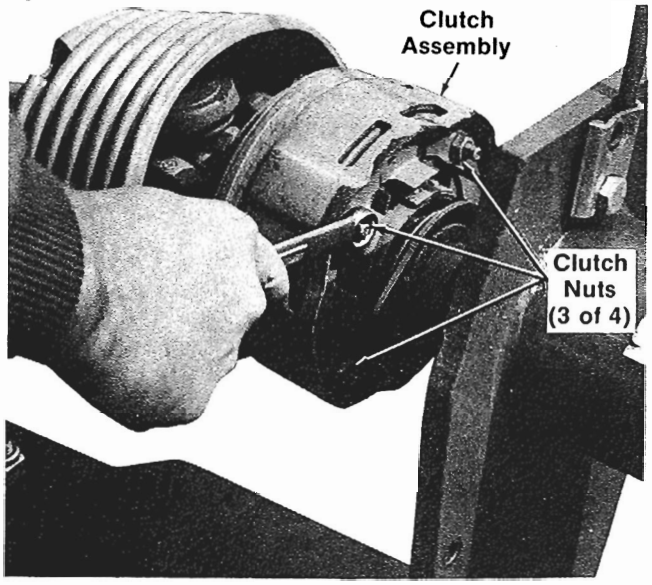


Fig. 39: Slip Clutch with Shield Removed

LUBRICATION

CAUTION: Exercise the MANDATORY SAFETY SHUTDOWN PROCEDURE (page 8) BEFORE proceeding.

The Disc Conditioner **MUST** be routinely lubricated to promote long life and smooth operation. All points illustrated should be lubricated after every 10 hours of operation. Grease Fittings are provided in the following areas:

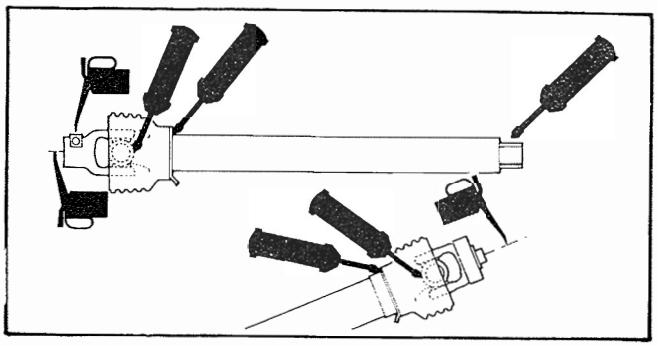
5 on the Telescoping PTO
1 on the Mid-Bearing
1 on the Overrunning Clutch
2 on the Double Yoke
1 on the Gearbox
1 on each side of the Lower Roller
1 on each side of the Upper Roller

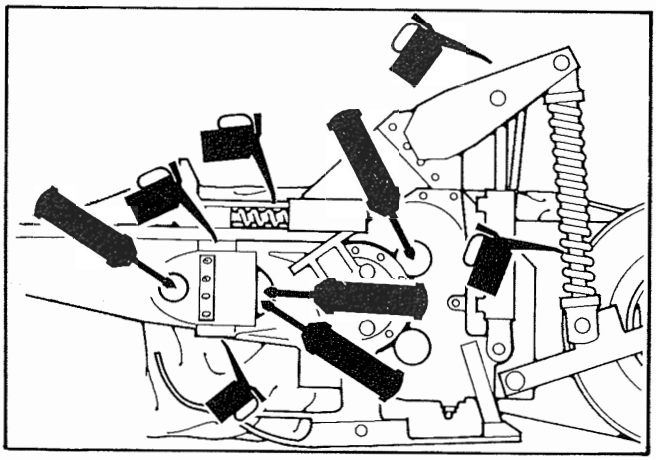
NOTE: The Fitting on the left side of the Upper Roller is designed specifically to purge contamination from the left end Bearing Seal. While greasing, rotate the Upper Roller (by hand), to distribute grease and insure a 360° purge. In more adverse conditions of contamination, this Fitting should be lubricated more frequently.

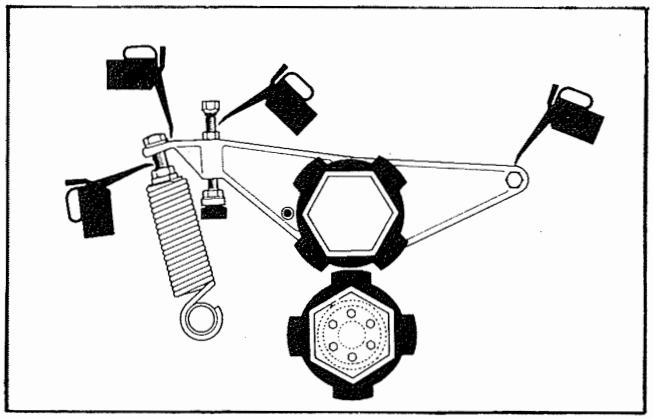
In addition to the Fittings, the Telescoping PTO Drive Profile Tube should be greased regularly so that the mating members slide freely.

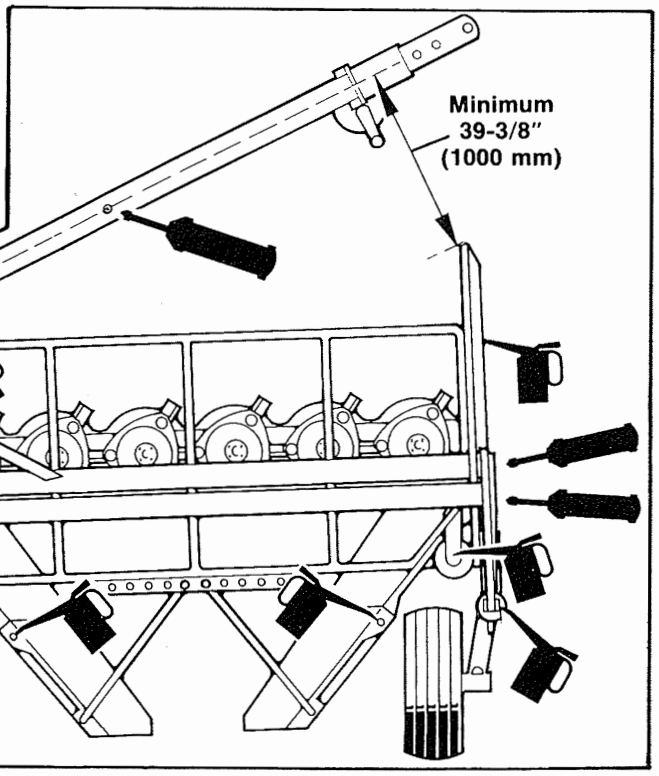
Apply oil to the following points every 10 hours: the Catch on the Drawbar Quadrant, the Drawbar Hinge Joint, the Cylinder pivot points, the Flotation Spring Slides, the PTO Slide Pin and PTO Splines.

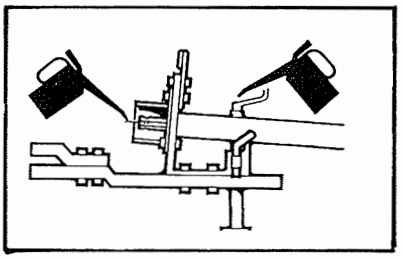
When placing the Disc Conditioner into storage, **BE SURE** to thoroughly lubricate the entire unit. In addition, place the Drawbar and Yoke in the position shown (in the last lubrication drawing) and disconnect the Slip Clutch; see Slip Clutch Service topic.



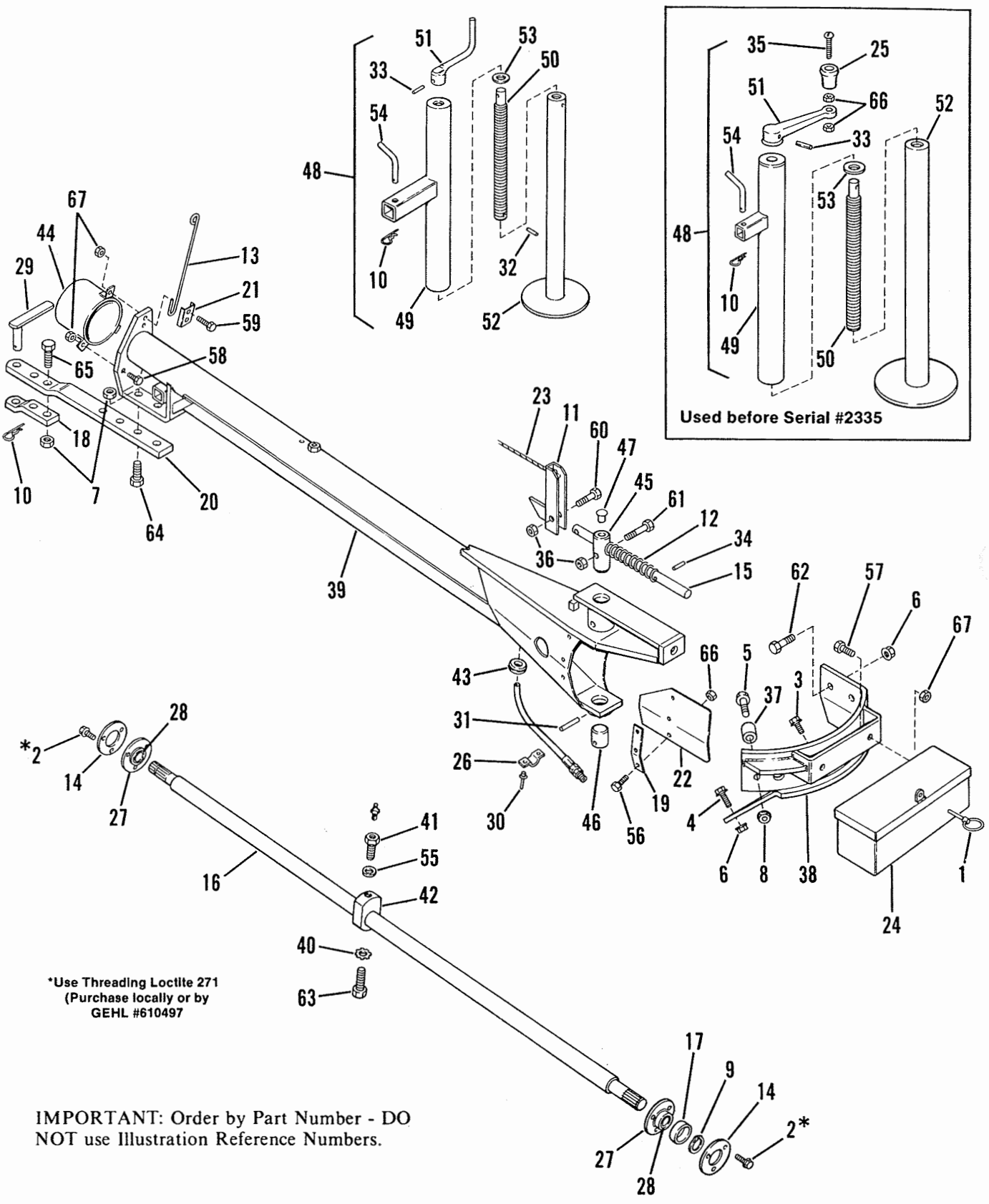








DC1080 - DRAWBAR, DRIVE SHAFT & JACK



IMPORTANT: Order by Part Number - DO NOT use Illustration Reference Numbers.

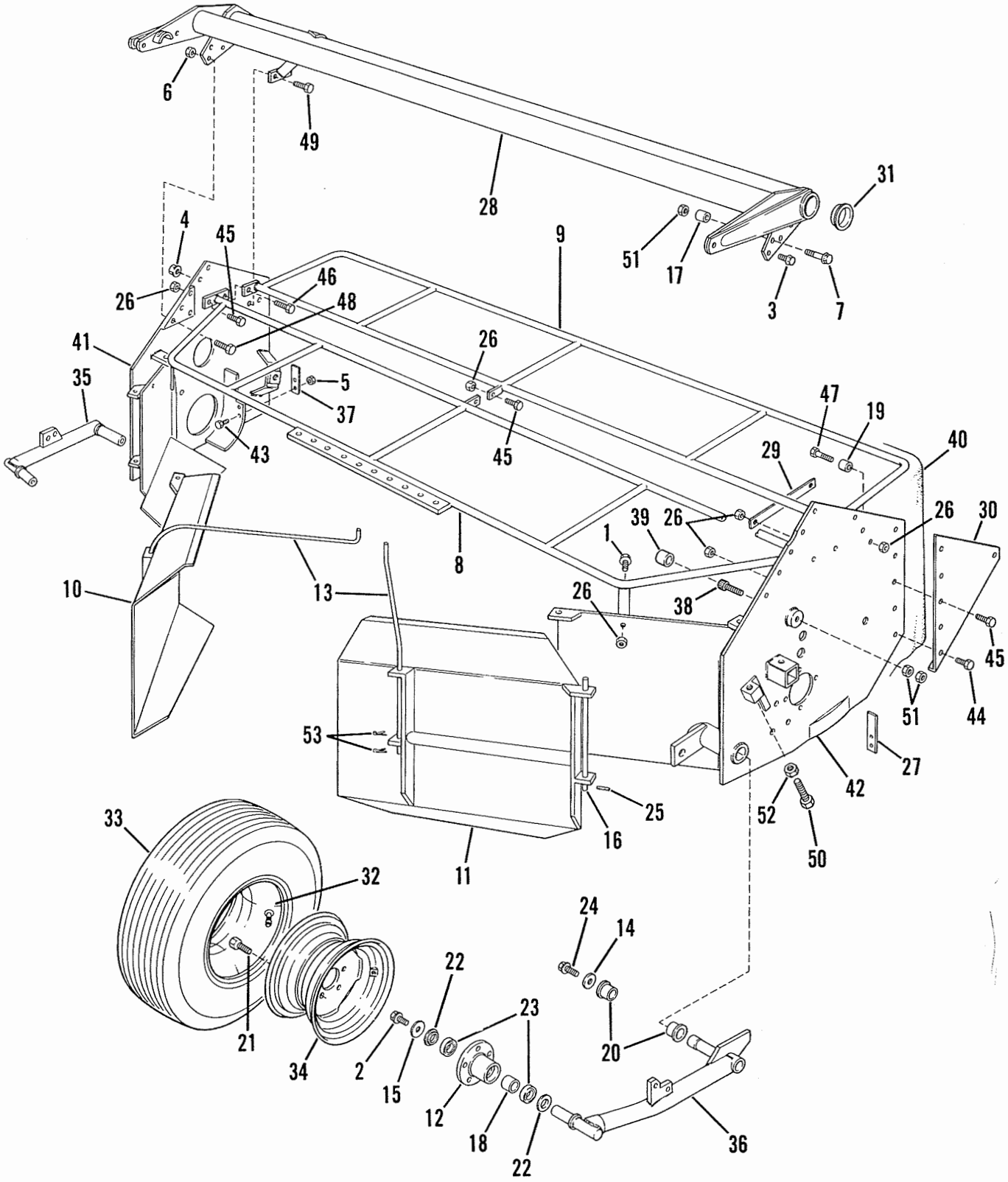
DC1080 - DRAWBAR, DRIVE SHAFT & JACK

Ref. No.	Part No.	Part Name	No. Req.
1	055910	Lynch Pin	1
2	071034	HFLS 12.9/M10 x 30	6
3	071039	HFLS 12.9/M14 x 30	2
4	071041	HFLS 12.9/M14 x 40	2
5	071042	HFLS 8.8/M16 x 70	1
6	071045	HFLN 12/M14	4
7	071250	NILN 8/M20	4
8	074507	HFLN 12/M16	1
9	604595	External Snap Ring A35 x 2.5	1
10	604629	Spring	2
11	604776	Release Lever	1
12	604779	Compression Spring	1
13	604780	Spring	1
14	604781	Ring	2
15	604782	Lock Pin	1
16	604785	Drive Shaft	1
17	604786	Bushing	1
18	604787	Lower Drawbar Beak	1
19	604788	Bracket	2
20	604789	Top Drawbar Beak	1
21	604790	Clamp	1
22	604791	Guard Plate	2
23	604793	Release Rope	1
24	604795	Toolbox	1
25	604797	Jack Handle (Used only before Serial #2335)	1
26	604802	Hose Clamp (Strap) (5 used only before Serial #2335)	1
27	604803	Flange	2
28	604804	Bearing	2
29	604972	Pin	1
30	610448	Pop Rivet 4 x 7.1 (10 used only before Serial #2334)	2
31	610455	Roll Pin 10 x 75	1
32	610458	Roll Pin 4 x 28 (Used only after Serial #2334)	1
33	610463	Roll Pin 6 x 30	1
34	610466	Roll Pin 6 x 45	1
35	610480	RHMS 8.8/M8 x 50 (Used only before Serial #2335)	1
36	610495	NILN 10/M10	2
37	610566	Bushing	1
38	610567	Quadrant	1
39	610678	Drawbar (Used after Serial #2334)	1
	604774	Drawbar (Used before Serial #2335)	1
40	610679	SW (Used after Serial #2334)	1
	610447A	LW (Used before Serial #2335)	2
41	610680	Bolt (Used after Serial #2334)	1
	604796A	Bolt (Used before Serial #2335)	1
	570002	Grease Fitting	1
42	610681	Bearing Block (Used after Serial #2334)	1
	604792	Bearing Block (Used before Serial #2335)	1
43	610682	Grommet (Used after Serial #2334)	1
44	610683	Shield (Used after Serial #2334)	1
	604775A	Shield (Used before Serial #2335)	1
45	610684	Pin (Used after Serial #2334)	1
	604783A	Pin (Used before Serial #2335)	1
46	610685	Pin (Used after Serial #2334)	1
	604784A	Pin (Used before Serial #2335)	1
47	610686	Cap (Used after Serial #2334)	1
48	610687	Jack - Assembled (Used after Serial #2334)	1
	610410A	Jack - Assembled (Used before Serial #2335)	1
49	610688	Jack Tube (Used after Serial #2334)	1
	610408	Jack Tube (Used before Serial #2335)	1
50	610689	Jack Screw (Used after Serial #2334)	1
	604799	Jack Screw (Used before Serial #2335)	1
51	610690	Jack Crank (Used after Serial #2334)	1
	604798	Jack Crank (Used before Serial #2335)	1
52	610691	Jack Pad (Used after Serial #2334)	1
	604800	Jack Pad (Used before Serial #2335)	1
53	610692	Washer (Used after Serial #2334)	1
	610486	Washer (Used before Serial #2335)	1
54	610693	Pin (Used after Serial #2334)	1
	610409	Pin (Used before Serial #2335)	1
55	610869	Washer	1
56	656001	HHCS 8.8/M8 x 20	6
57	656006	HHCS 8.8M10 x 20	2
58	656008	HHCS 8.8/M10 x 30	2
59	656010	HHCS 8.8/M10 x 40	2
60	656013	HHCS 8.8/M10 x 60	1
61	656015	HHCS 8.8/M10 x 90	1
62	656030	HHCS 8.8/M14 x 55	2
63	656036	HHCS 8.8/M16 x 55 (Used after Serial #2334)	1
	656035A	HHCS 8.8/M16 x 20 (Used before Serial #2335)	1
64	656041	HHCS 8.8/M20 x 80	2
65	656042	HHCS 8.8/M20 x 90	2
66	656048	HN 8/M8 Plated (8 used before Serial #2335)	6
67	656049	HN 8/M10	6

A For replacement, order current part.

DC1080 - MAIN FRAME, WHEELS & WINDROWERS

IMPORTANT: Order by Part Number - DO NOT use Illustration Reference Numbers.

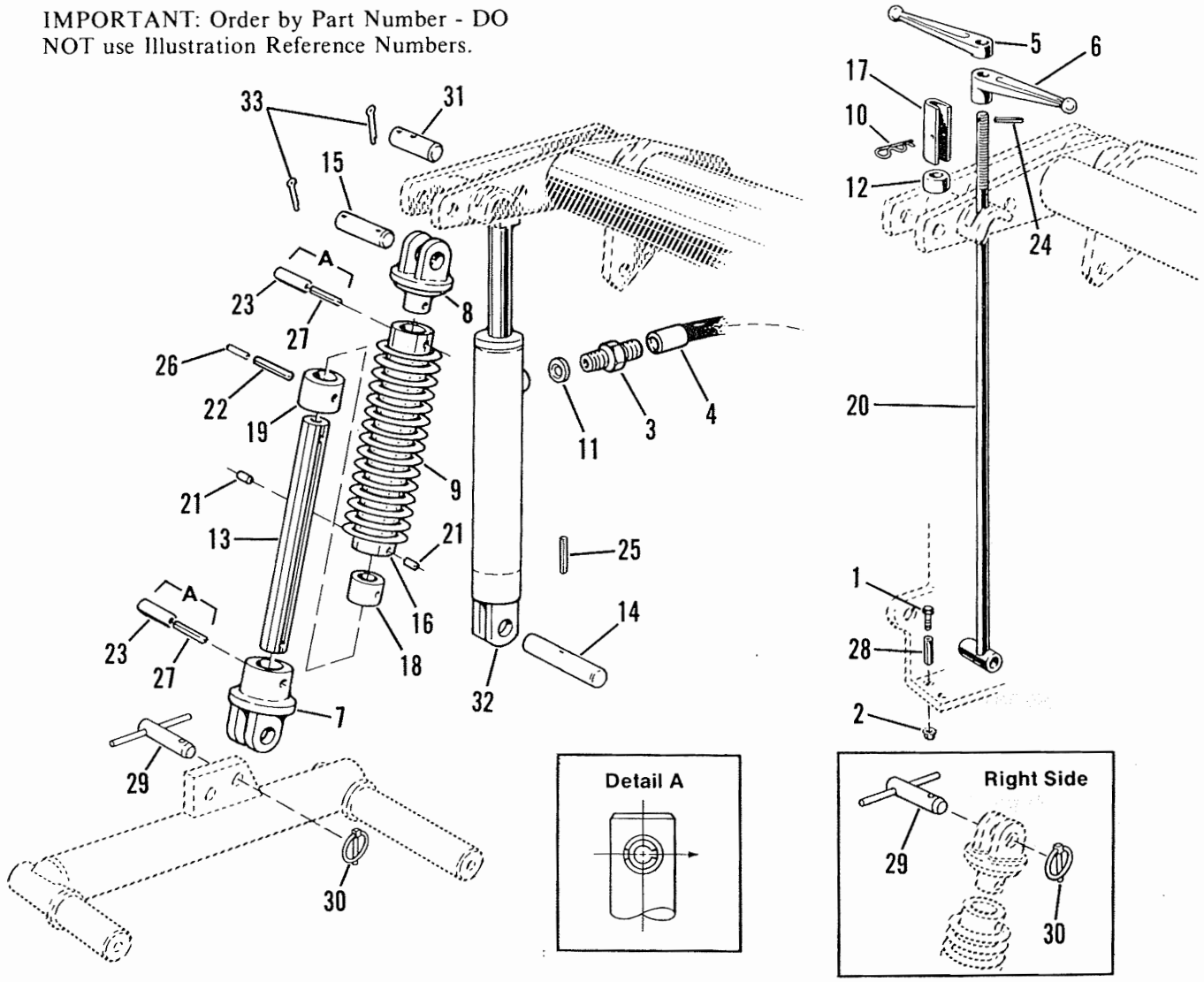


Ref. No.	Part No.	Part Name	No. Req.
1	071032	HFLS 12.9/M10 x 20	4
2	071036	HFLS 12.9/M12 x 30	2
3	071037	HFLS 12.9/M12 x 35	7
4	071045	HFLN 12/M14	2
5	071245	NILN 8/M8	2
		(Four used before Serial #2335)	
6	071247	NILN 8/M12	10
7	073481	HFLS 12.9/M16 x 75	2
		(Used after Serial #2334)	
	071042	HFLS 12.9/M16 x 70	2
		(Used before Serial #2335)	
8	604808	Rear Cover Frame	1
9	610914	Front Cover Frame	1
		(Used after Serial #2378)	
	604809	Front Cover Frame	1
		(Used before Serial #2379)	
10	604810	Left Swathdoor	1
11	604811	Right Swathdoor	1
12	604814	Wheel Hub	2
13	604815	Adjusting Rod	2
14	604816	Spacer	2
15	604817	Washer	2
16	604818	Pin	2
17	604819	Bushing	2
18	604820	Spacer Bushing	2
19	604821	Bushing	2
20	604824	Large Bushing	4
21	604825	Wheel Bolt	10
22	604827	Washer	4
23	604828	Bearing 6208-2RS	4
24	604933	HFLS 12.9/M12 x 25	2
25	610460	Roll Pin 5 x 28	4
26	610495	NILN 10/M10	15
27	610524	Right Strip	1
		(Used after Serial #2301)	
	604823	Right Strip	1
		(Used before Serial #2302)	
28	610568	Frame	1
		(Used after Serial #2301)	
	604806	Frame	1
		(Used before Serial #2302)	
29	610571	Strip	1
		(Used after Serial #2301)	
30	610572	Plate	1
		(Used after Serial #2301)	
31	610573	Cover	1
		(Used after Serial #2301)	
32	610600	Innertube 10.0 x 15	2
		(Used after Serial #2301)	
	604829	Innertube 10.0 x 12	2
		(Used before Serial #2302)	
33	610601	Tire 10.0/75 x 15 SR-6 Ply	2
		(Used after Serial #2301)	
	604830	Tire 10.0/80 x 12 SR-4 Ply	2
		(Used before Serial #2302)	
34	610602	Rim 9.00 x 15	2
		(Used after Serial #2301)	
	604831	Rim 7.00 x 12	2
		(Used before Serial #2302)	
35	610873	Left Wheel Mount	1
		(Used after Serial #2334)	
	604812	Left Wheel Mount	1
		(Used before Serial #2335)	
36	610874	Swivel Axle	1
		(Used after Serial #2334)	
	604807	Swivel Axle	1
		(Used before Serial #2335)	
37	610816	Left Strip	1
38	610818	Buffer Retainer	1
39	610819	Buffer	1
40	610915	Canvas Cover	1
		(Used after Serial #2378)	
	610844	Canvas Cover	1
		(Used after Serial #2334 & before Serial #2379)	
	604826A	Plastic Protective Sheet	1
		(Used before Serial #2335)	
41	610871	Side Left Plate	1
		(Used after Serial #2334)	
	610830	Side Left Plate	1
		(Used before Serial #2335)	
42	610872	Side Right Plate	1
		(Used after Serial #2334)	
	610831	Side Right Plate	1
		(Used after Serial #2301 & before Serial #2335)	
	610832	Side Right Plate	1
		(Used after Serial #2199 & before Serial #2302)	
43	656001	HHCS 8.8/M8 x 20	2
		(Four used before Serial #2302)	
44	656008	HHCS 8.8/M10 x 30	4
45	656009	HHCS 8.8/M10 x 35	4
46	656010	HHCS 8.8/M10 x 40	2
47	656013	HHCS 8.8/M10 x 60	2
48	656019	HHCS 8.8/M12 x 45	3
49	656030	HHCS 8.8/M14 x 55	2
50	656041	HHCS 8.8/M20 x 80	1
51	656052	HN 8/M16	4
52	656068	HJN 8/M20	1
53	656070	Cotter Pin 3.2 x 28	4

A For replacement, order current part.

DC1080 - LIFT SYSTEM

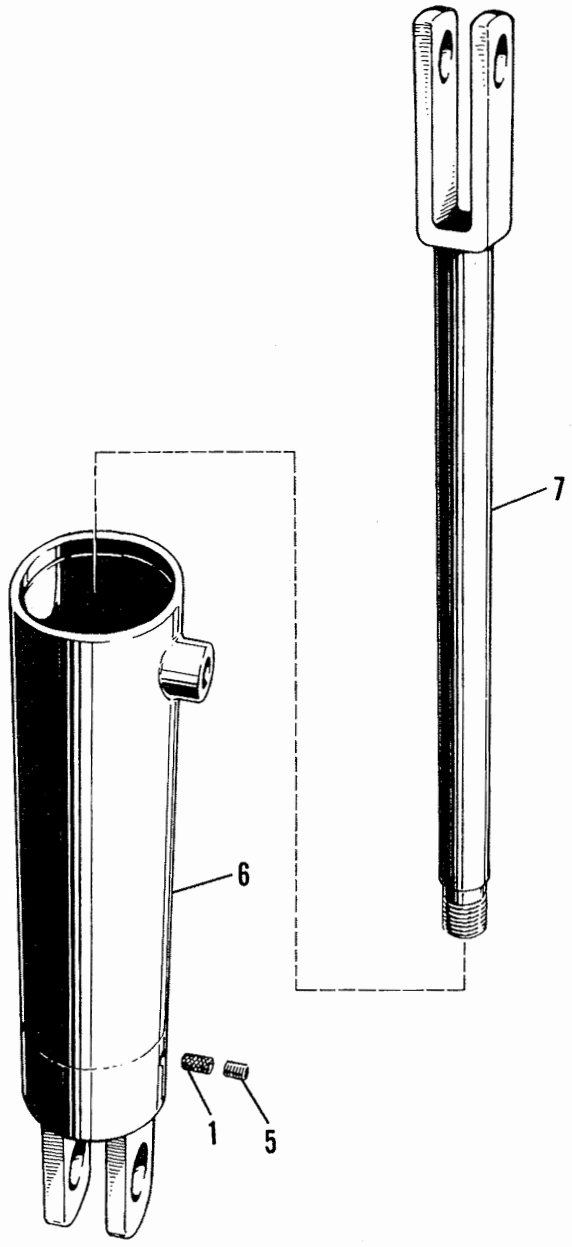
IMPORTANT: Order by Part Number - DO NOT use Illustration Reference Numbers.



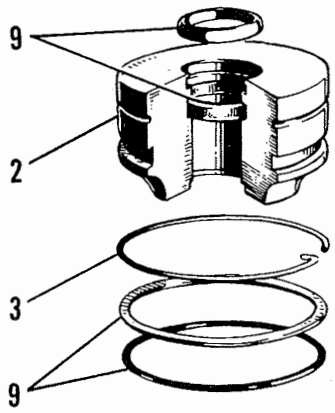
Ref. No.	Part No.	Part Name	No. Req.
1	071041	HFLS 12.9/M14 x 40	2
2	071045	HFLN 12/M14	2
3	604634	Connector G3/8 x 3/8	1
4	604794	Hydraulic Hose	1
5	604832	Crank	1
6	604833	Crank	1
7	604835	Yoke	2
8	604836	Yoke	2
9	604837	Spring	2
10	604838	Spring	1
11	604839	Flow Restrictor	1
12	604840	Collar	1
13	604842	Shaft	2
14	604843	Pin	1
15	604845	Pin	1
16	604846	Tube	2
17	604847	U-Profile	1
18	604848	Bushing (Bearing)	2
19	604849	Bushing (Bearing)	2
20	610411	Float Control Rod	1
21	610449	Roll Pin 10 x 12	4
22	610452	Roll Pin 10 x 45	2
23	610454	Roll Pin 10 x 60	4
24	610459	Roll Pin 5 x 24	1
25	610465	Roll Pin 6 x 36	1
26	610466	Roll Pin 6 x 45	2
27	610467	Roll Pin 6 x 60	4
28	610479	Roll Pin 18 x 20	2
29	610675	Pin (Used after Serial #2334)	3
	604841	Pin (Used before Serial #2335)	3
30	610676	Lynch Pin (Used after Serial #2334)	3
31	610694	Pin (Used after Serial #2334)	1
	604844A	Pin (Used before Serial #2335)	1
32	610695B	Hydraulic Cylinder - Assembled (Used after Serial #2334)	1
	604850A	Hydraulic Cylinder - Assembled (Used before Serial #2335)	1
33	656074	Cotter Pin 5 x 40	4

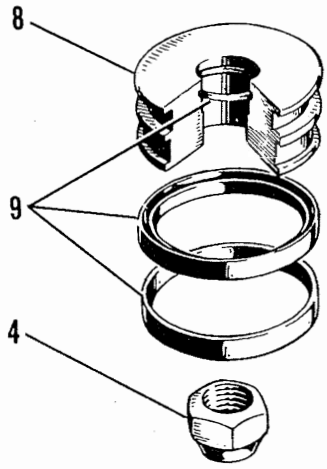
A For replacement, order current part.

B For components, see page 27.



IMPORTANT: Order by Part Number - DO NOT use Illustration Reference Numbers.

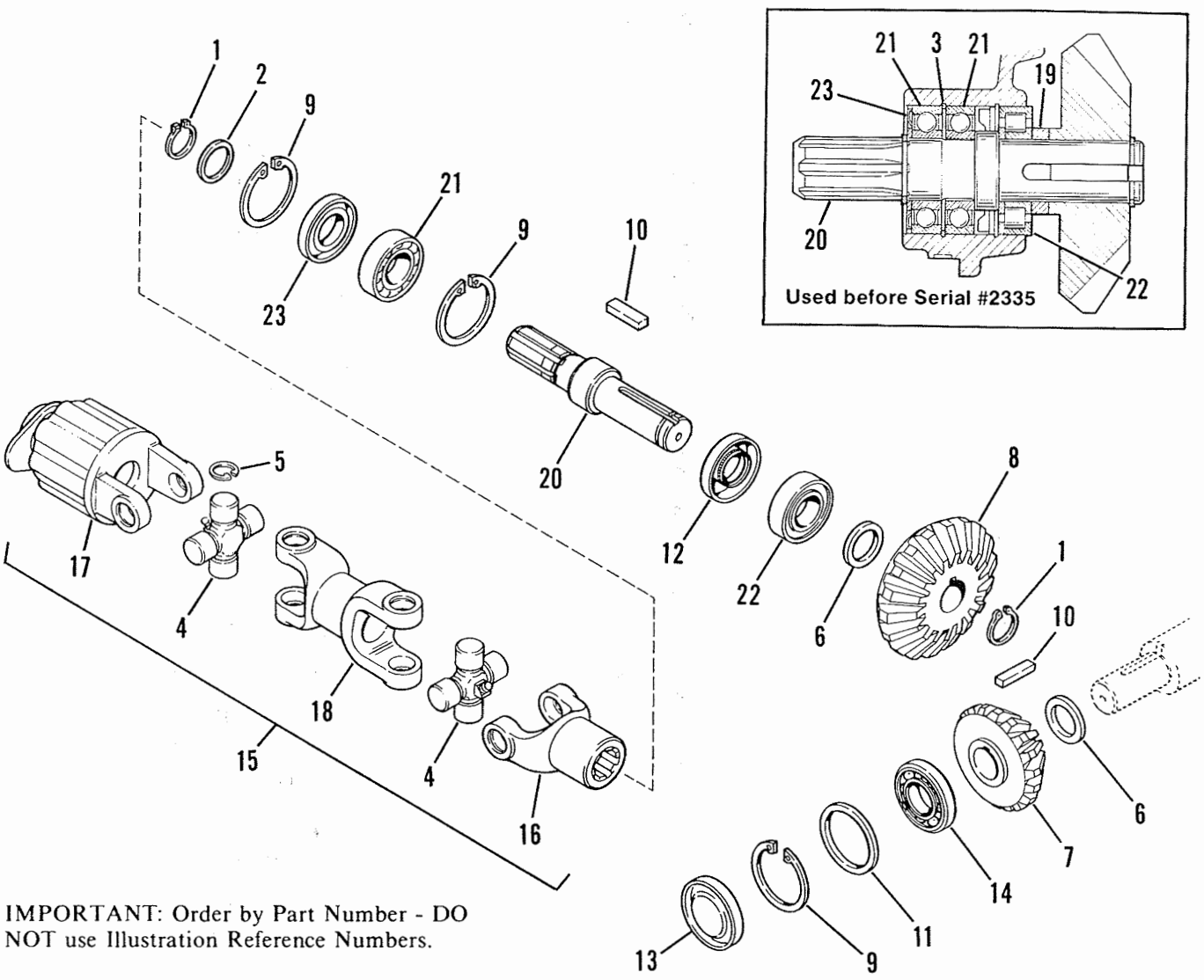




Ref. No.	Part No.	Part Name	No. Req.
	610695	Hydraulic Cylinder - Assembled ... (Used after Serial #2334)	1
	604850A	Hydraulic Cylinder - Assembled ... (Used before Serial #2335)	1
		Consists of:	
1	604851	Sieve	1
2	604853	Piston Guide	1
3	604854	Circlip	1
4	604858	Piston Nut M20 x 1.5	1
5	610425	Set Screw (Plug)	1
6	610696	Cylinder Tube (Used after Serial #2334)	1
	604852A	Cylinder Tube (Used before Serial #2335)	1
7	610697	Piston Rod (Used after Serial #2334)	1
	604855A	Piston Rod (Used before Serial #2335)	1
8	610698	Piston (Used after Serial #2334)	1
	604856A	Piston (Used before Serial #2335)	1
9	610699	Seal Kit (Used after Serial #2334)	1
	604857A	Seal Kit (Used before Serial #2335)	1

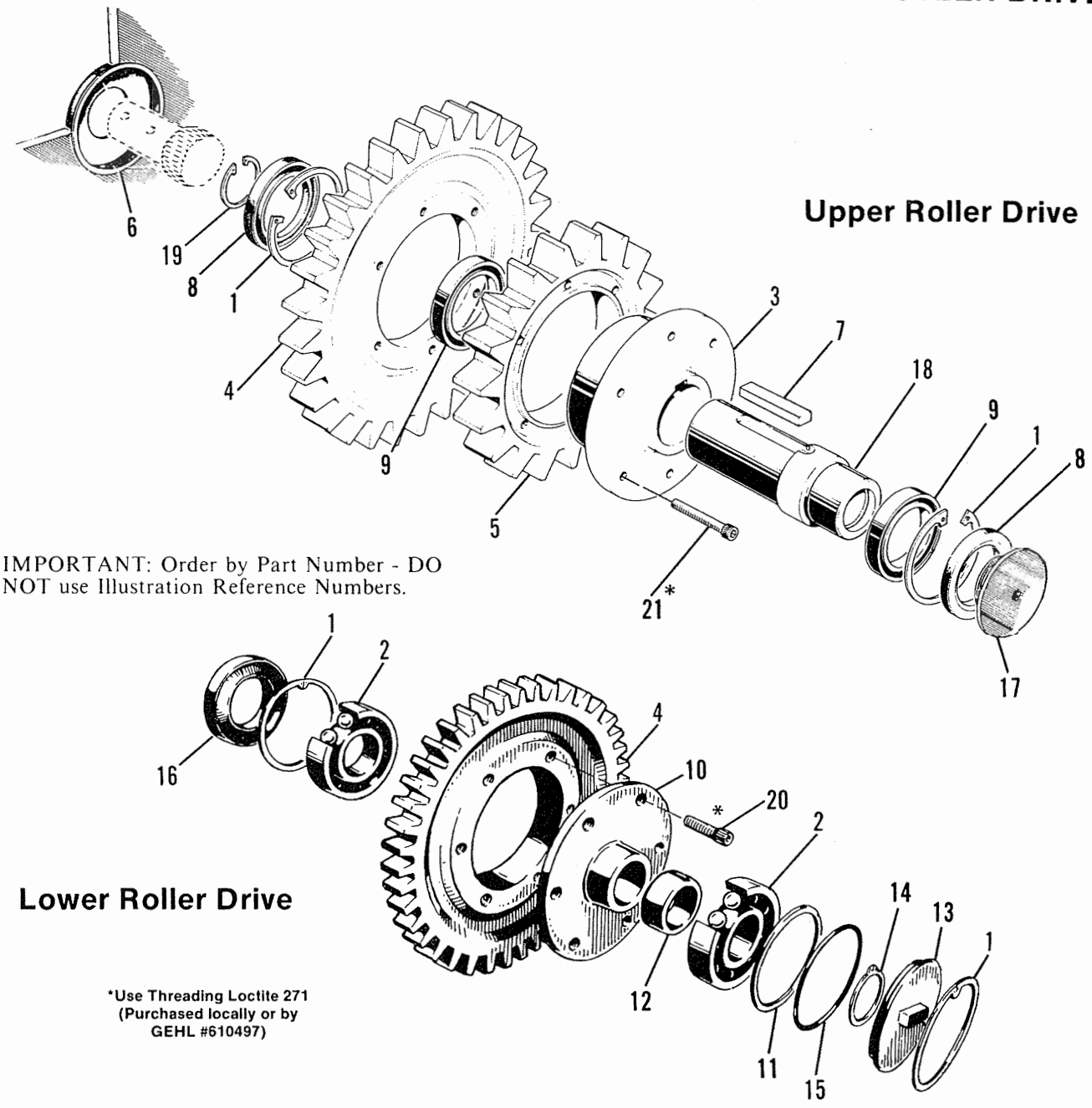
A For replacement, order current part.

DC1080 - TRANSMISSION & MID-SECTION DRIVE



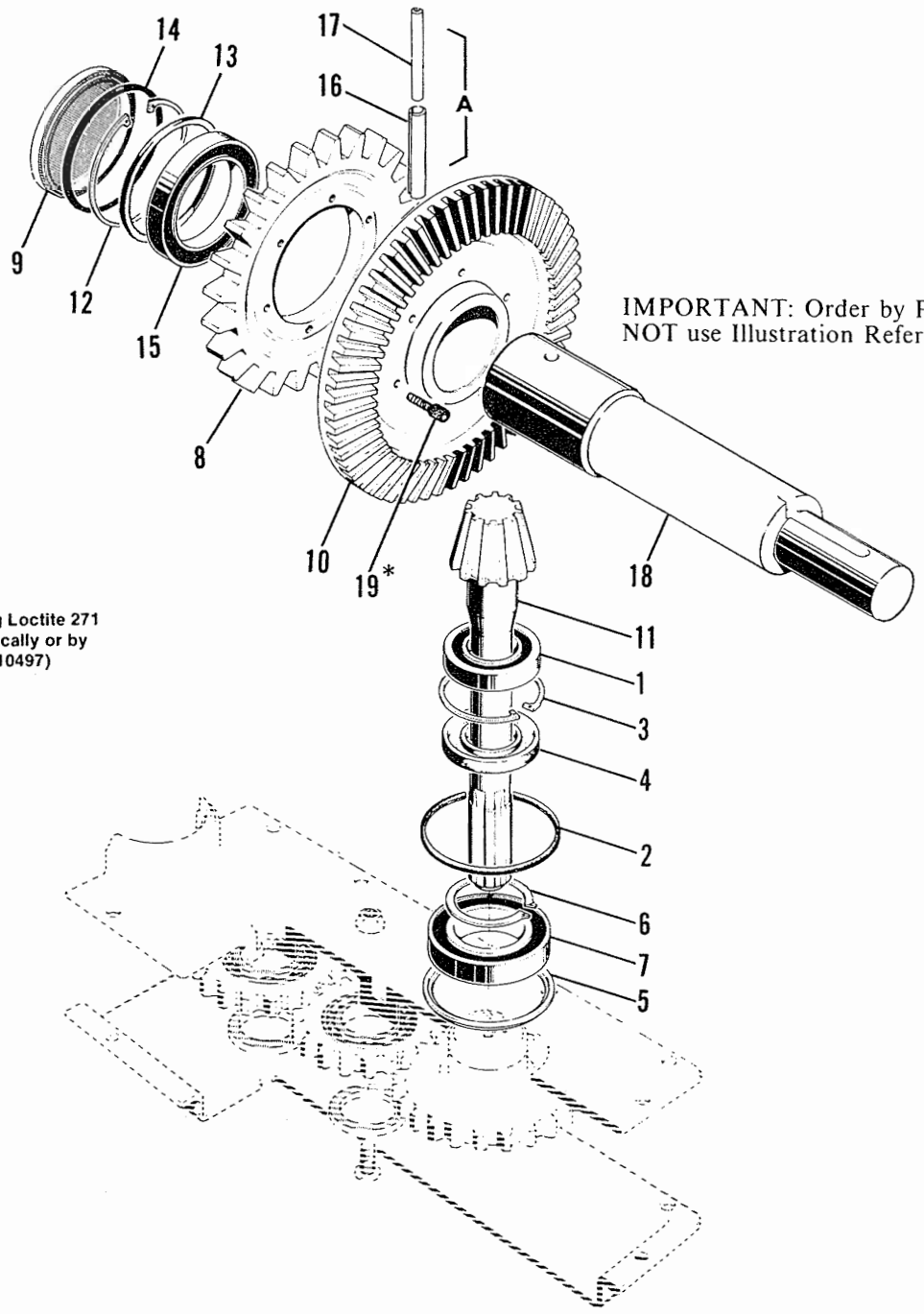
IMPORTANT: Order by Part Number - DO NOT use Illustration Reference Numbers.

Ref. No.	Part No.	Part Name	No. Req.
1	604595	External Snap Ring	2
2	604596	Washer	1
3	604649	Retaining Ring (Used only before Serial #2335)	1
4	604717	Center Cross	2
	610494	Elbow Grease Fitting	2
5	604718	Retainer Ring	8
6	604862	Spacer Ring (1 used before Serial #2335)	2
7	604863	Gear (17T)	1
8	604864	Gear (22T)	1
9	604865	Retaining Ring (Only 1 used before Serial #2335)	3
10	604866	Key B10 x 8-45	2
11	604867	Spacer 63 x 80 x 3	1
12	604869	Oil Seal 35 x 72 x 12A (Used only before Serial #2335)	1
13	604870	Dust Cap	1
14	604871	Bearing 6307	1
15	604872	Mid-Section Drive - Assembled	1
16	604958	Yoke	1
17	604959	Overrunning Clutch	1
18	604960	Universal "H"	1
19	610604	Spacer Ring (Used only before Serial #2335)	1
20	610664	Shaft (Used after Serial #2334)	1
	610821	Shaft (Used before Serial #2335)	
21	610666	Bearing 6307-2RS (Used after Serial #2334)	1
	610603	Bearing (Used before Serial #2335)	2
22	610667	Bearing NUP-307 (Used after Serial #2334)	1
	610603	Bearing (Used before Serial #2335)	1
23	610668	Oil Seal 40 x 80 x 10C (Used after Serial #2334)	1
	604597	Seal (Used before Serial #2335)	1



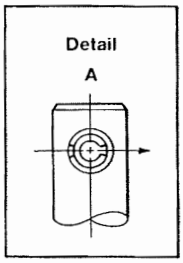
Ref. No.	Part No.	Part Name	No. Req.
1	604865	Internal Snap Ring I.80	4
2	604871	Bearing 6307	2
3	604881	Flange	1
4	604882	Gear (48T)	4
5	604883	Gear (37T)	1
6	604887	Protection Ring	1
7	604890	Key 10 x 8-50	1
8	640891	Oil Seal 50 x 80 x 10A	2
9	604892	Ball Bearing 6010	2
10	604893	Flange	1
11	604894	Ring	1
12	604895	Bushing	1
13	604896	Cover	1
14	604898	External Snap Ring A35	1
15	604899	O-Ring 72, 62 x 3,53	1
16	604900	Seal 40 x 80 x 10A	1
17	610412	Cover w/ Grease Point	1
	570002	Gease Fitting	1
18	610875	Shaft (Used after Serial #2334)	1
	604885	Shaft (Used before Serial #2335)	1
19	610876	Internal Snap Ring I.32 x 1,5 (Used after Serial #2334)	1
	604889	Internal Snap Ring I.30 (Used before Serial #2335)	1
20	656045	SHCS 10.9/M10 x 30	6
21	656046	SHCS 10.9/M10 x 45	6

DC1080 - CUTTERBAR DRIVE



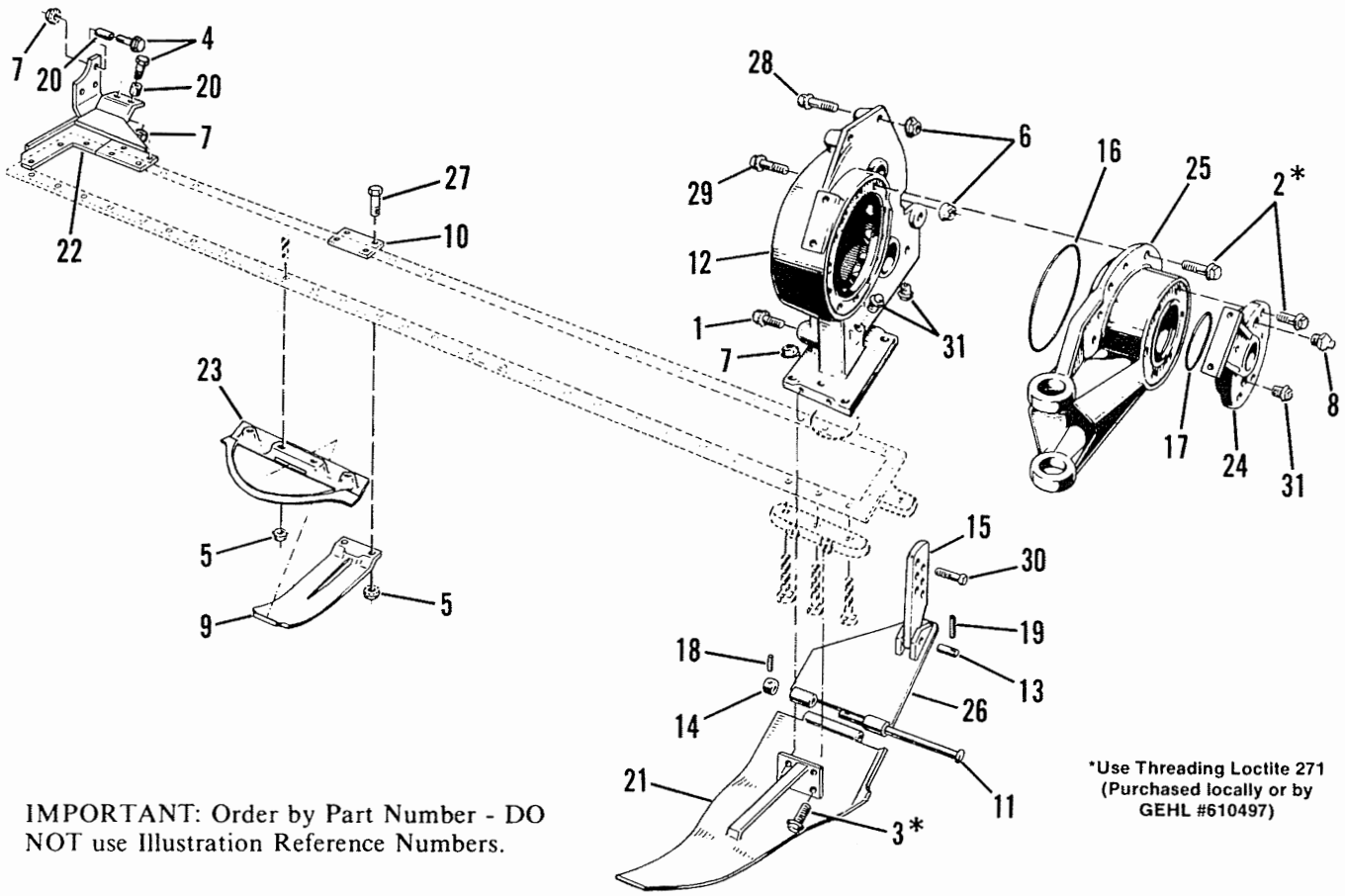
IMPORTANT: Order by Part Number - DO NOT use Illustration Reference Numbers.

*Use Threading Loctite 271 (Purchased locally or by GEHL #610497)



Ref. No.	Part No.	Part Name	No. Req.
1	604600	Bearing 6207-2RS	1
2	604647	O-Ring	1
3	604649	Retaining Ring I.72	1
4	604651	Grease Seal	1
5	604657	Ring	1
6	604669	Snap Ring A50	1
7	604671	Ball Bearing 6210	1
8	604873	Gear (37T)	1
9	604874	Cover	1
10	604875	Crown Wheel (51T)	1
11	604876	Pinion (12T)	1
12	604877	Internal Snap Ring I.100	1
13	604878	Spacer 80 x 100 x 3,5	1
14	604879	O-Ring 94, 92 x 2,62	1
15	604880	Bearing 6211	1
16	610470	Roll Pin 13 x 80	1
17	610478	Roll Pin 8 x 80	1
18	610665	Shaft (Used after Serial #2334)	1
	604860	Shaft (Used before Serial #2335)	1
19	656045	SHCS 12.9/M10 x 30	6
20	656046	SHCS 12.9/M10 x 45	6

DC1080 - GEARBOX, CUTTERBAR SKID & STONE PROTECTORS



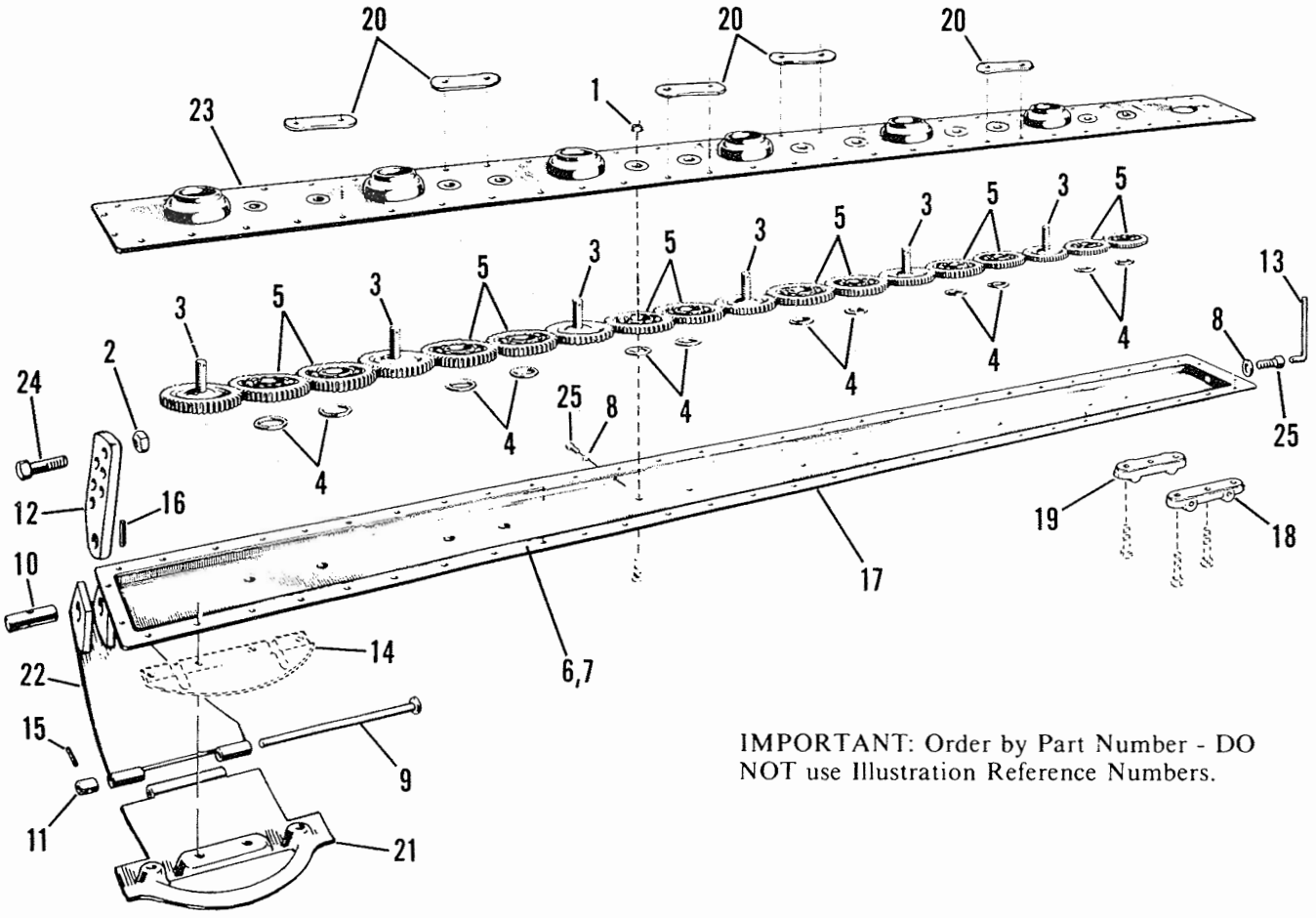
IMPORTANT: Order by Part Number - DO NOT use Illustration Reference Numbers.

*Use Threading Loctite 271 (Purchased locally or by GEHL #610497)

Ref. No.	Part No.	Part Name	No. Req.
1	071032	HFLS 12.9/M10 x 20	2
2	071034	HFLS 12.9/M10 x 30	18
3	071035	HFLS 12.9/M12 x 20	4
4	071041	HFLS 12.9/M14 x 40	5
5	071043	HFLN 12/M10	25
6	071044	HFLN 12/M12	3
7	071045	HFLN 12/M14	11
8	604645	Breather Plug	1
9	604675	Skid	5
10	604680	Plate	5
11	604904	Pin	1
12	604907	Gearbox	1
13	604908	Pin	1
14	604909	Bushing	1
15	604910	Setting Strip	1
16	604914	O-Ring 247, 32 x 2,62	1
17	604915	O-Ring 158, 42 x 2,62	1
18	610456	Roll Pin 4 x 20	1
19	610473	Roll Pin 8 x 36	1
20	610479	Roll Pin 18 x 20 (2 used before Serial #2335)	5
	610417	Bushing 18 x 24 (Used before Serial #2335)	3
21	610657	Front Support Shoe (Used after Serial #2334)	1
	604902A	Front Support Shoe (Used before Serial #2335)	1
22	610659	Linkage Piece (Used after Serial #2334)	1
	604901A	Linkage Piece (Used before Serial #2335)	1
23	610661	Stone Protector (Used after Serial #2334)	5
	610414A	Bottom Protector (Used only before Serial #2335)	5
24	610662	Cover (Used after Serial #2334)	1
	604905	Cover (Used before Serial #2335)	1
25	610663	Gearbox Half (Used after Serial #2334)	1
	604906	Gearbox Half (Used before Serial #2335)	1
26	610671	Shoe (Used after Serial #2334)	1
	610575A	Shoe (Used after Serial #2301 & before Serial #2335)	
	604903A	Rear Interior Shoe (Used before Serial #2302)	1
27	656007	HHCS 8.8/M10 x 25	10
28	656024	HHCS 8.8/M12 x 120	2
29	656025	HHCS 8.8/M12 x 130	1
30	656039	HHCS 8.8/M20 x 60	1
32	66004	Pipe Plug G1/2	3

A For replacement, order current part.

DC1080 - CUTTERBAR & GEARS



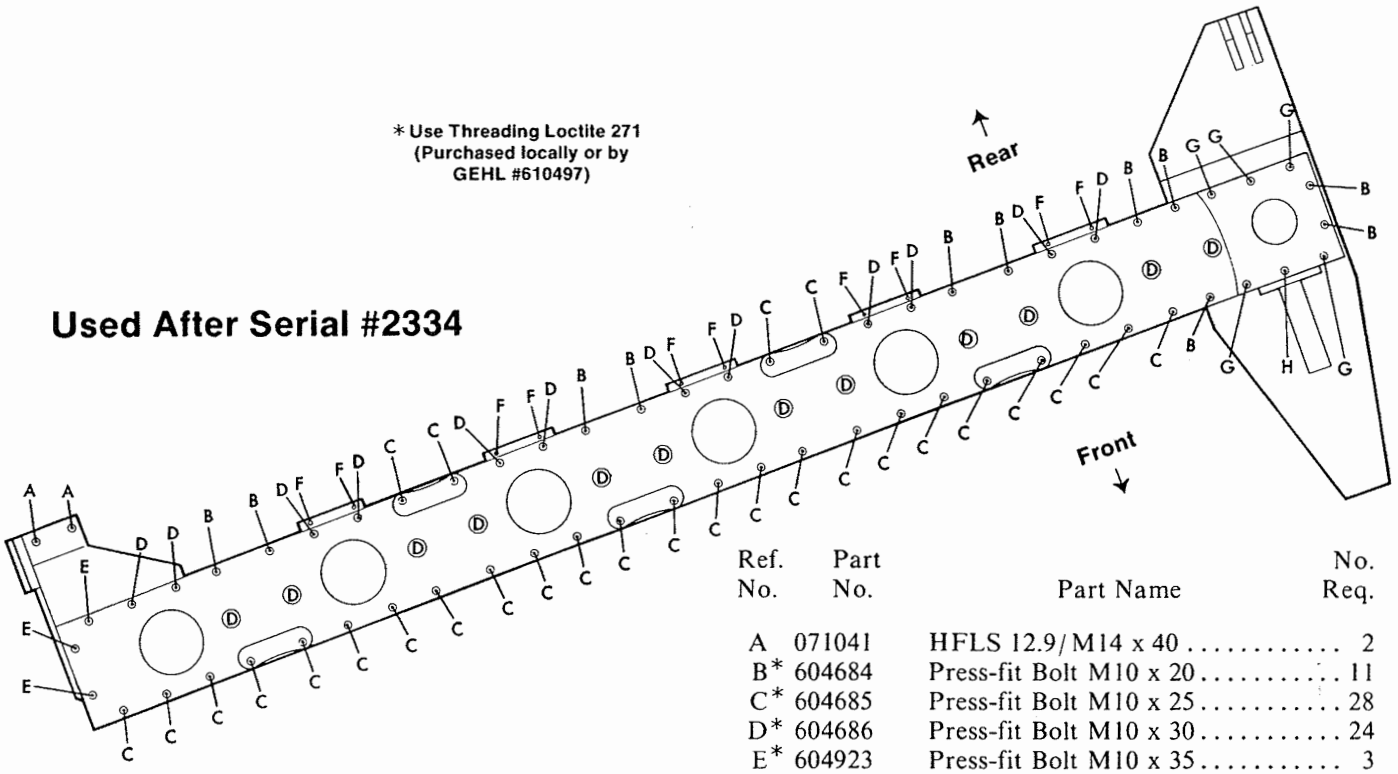
IMPORTANT: Order by Part Number - DO NOT use Illustration Reference Numbers.

Ref. No.	Part No.	Part Name	No. Req.
1	071043	HFLN 12/M10	51
2	071250	NILN 8/M20	1
3	604666	Gear	6
4	604683	Spacer	12
5	604687	Intermediate Gear	12
6	604688A	Silastic RTV 732 (Tube)	1
7	604689	Dow Primer (Can)	1
8	604692	Washer	2
9	604904	Pin	1
10	604908	Pin	1
11	604909	Bushing	1
12	604921	Setting Strip	1
13	604922	Allen Wrench	1
14	610413	Top Protector (Used only on reworked units before Serial #2335)	6
15	610456	Roll Pin 4 x 20	1
16	610473	Roll Pin 8 x 36	1
17	610654	Sump (Used after Serial #2334)	1
	604920	Cutterbar Sump (Used before Serial #2335)	1
18	610655	Strip (Used only after Serial #2334)	1
19	610656	Strip (Used only after Serial #2334)	1
20	610658	Wear Plate (Used after Serial #2334)	5
	604681B	Wear Plate (Used before Serial #2335)	5
21	610672	Bottom Protector (Used after Serial #2334)	1
	610418B	Bottom Protector (Used before Serial #2335)	1
22	610673	Right Skid (Used after Serial #2334)	1
	604918B	Right Skid (Used before Serial #2335)	1
23	610843	Top Plate (Used after Serial #2334)	1
	604678B	Cutterbar Top Plate (Used before Serial #2335)	1
24	656040	HHCS 8.8/M20 x 70	1
25	656044	SHCS 10.9/M10 x 10	2

A Clean surface first with Dow Primer (604689).
B For replacement, order current part.

* Use Threading Loctite 271
(Purchased locally or by
GEHL #610497)

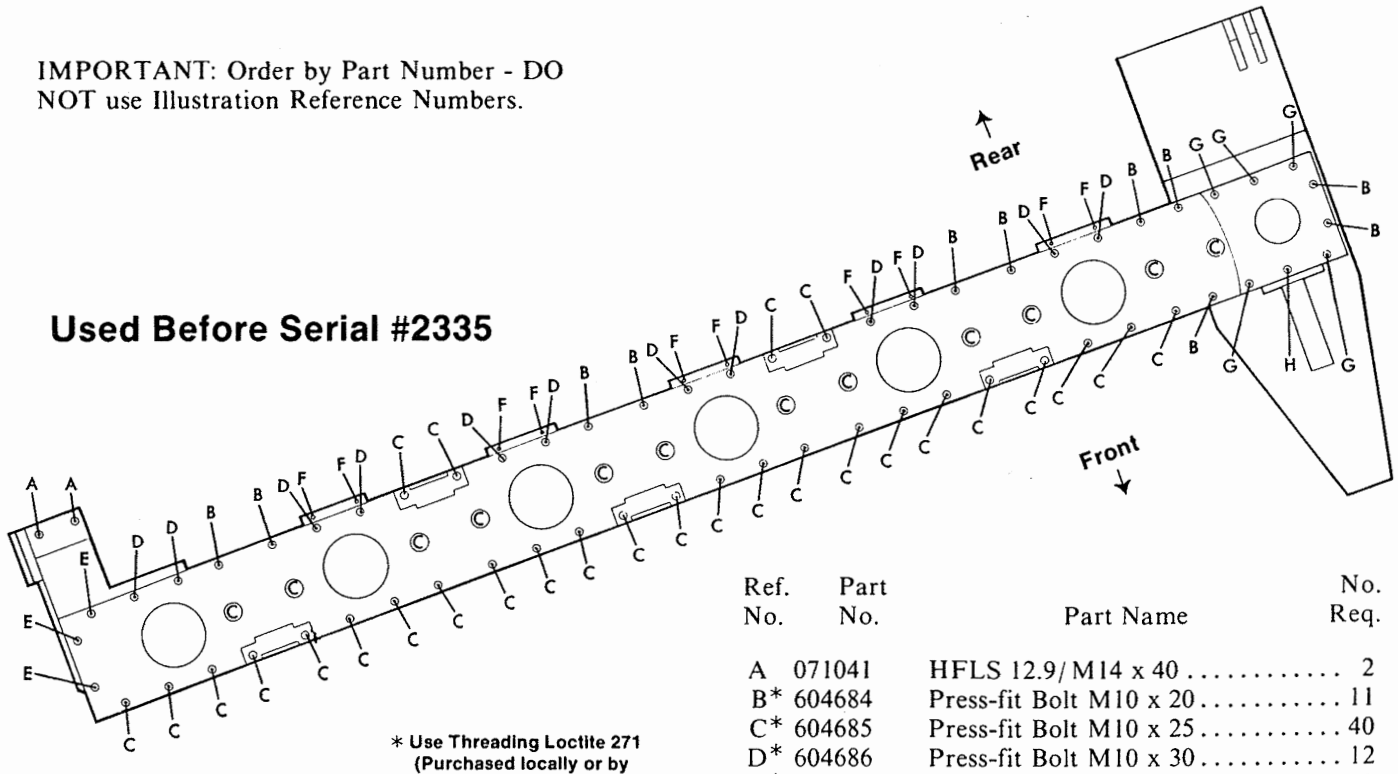
Used After Serial #2334



Ref. No.	Part No.	Part Name	No. Req.
A	071041	HFLS 12.9/M14 x 40	2
B*	604684	Press-fit Bolt M10 x 20	11
C*	604685	Press-fit Bolt M10 x 25	28
D*	604686	Press-fit Bolt M10 x 30	24
E*	604923	Press-fit Bolt M10 x 35	3
F	656007	HHCS 8.8/M10 x 25	10
G*	656084	HHCS 10.9/M14 x 65	5
H*	656085	HHCS 10.9/M14 x 70	1

IMPORTANT: Order by Part Number - DO NOT use Illustration Reference Numbers.

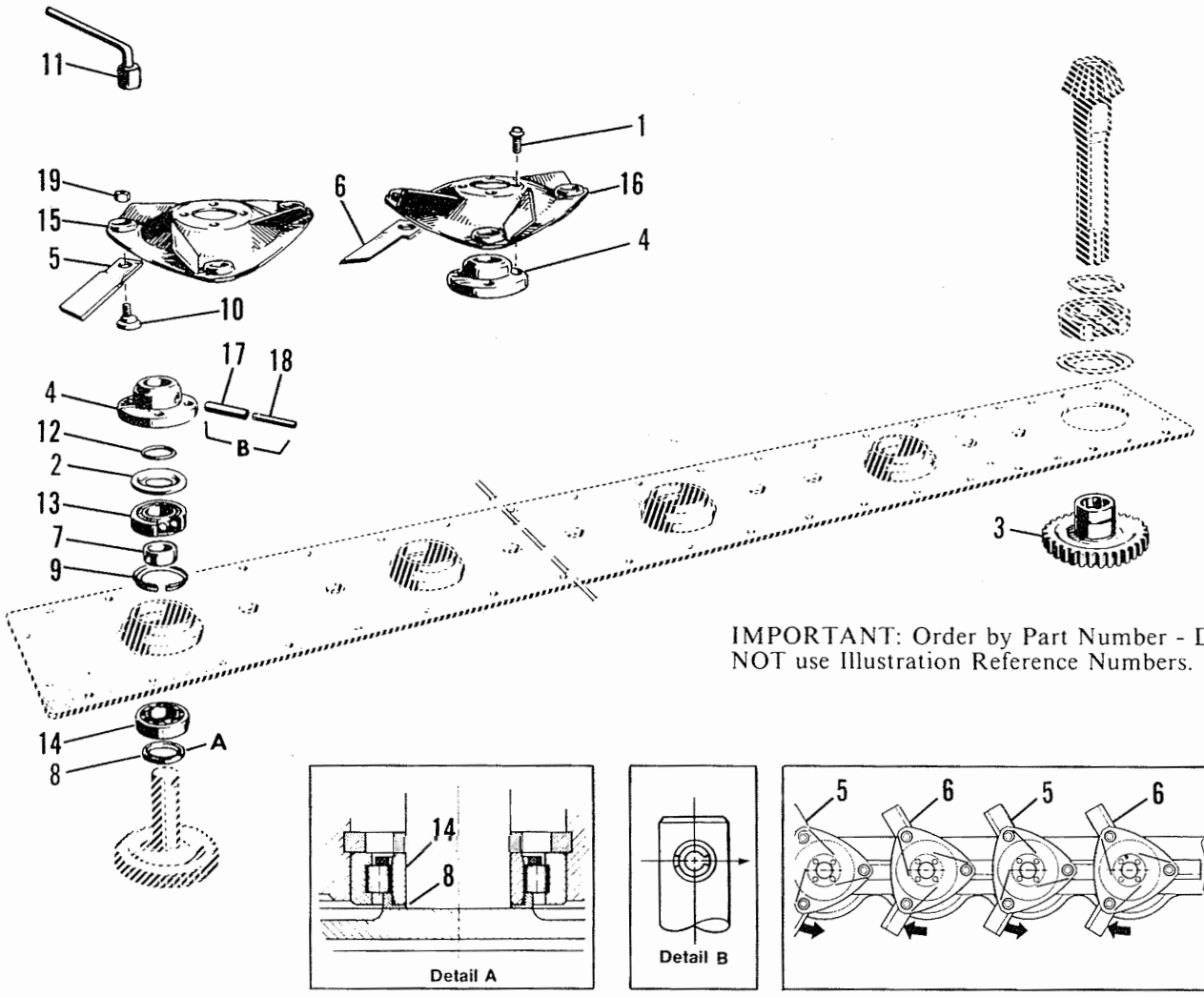
Used Before Serial #2335

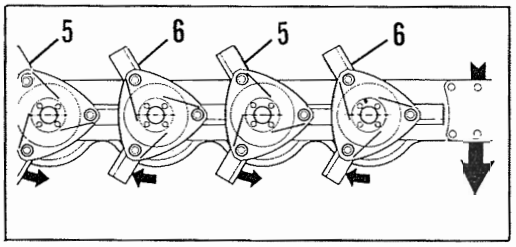


* Use Threading Loctite 271
(Purchased locally or by
GEHL #610497)

Ref. No.	Part No.	Part Name	No. Req.
A	071041	HFLS 12.9/M14 x 40	2
B*	604684	Press-fit Bolt M10 x 20	11
C*	604685	Press-fit Bolt M10 x 25	40
D*	604686	Press-fit Bolt M10 x 30	12
E*	604923	Press-fit Bolt M10 x 35	3
F	656007	HHCS 8.8/M10 x 25	10
G*	604911	HHCS 10.9/M14 x 65	5
H*	604912	HHCS 10.9/M14 x 70	1

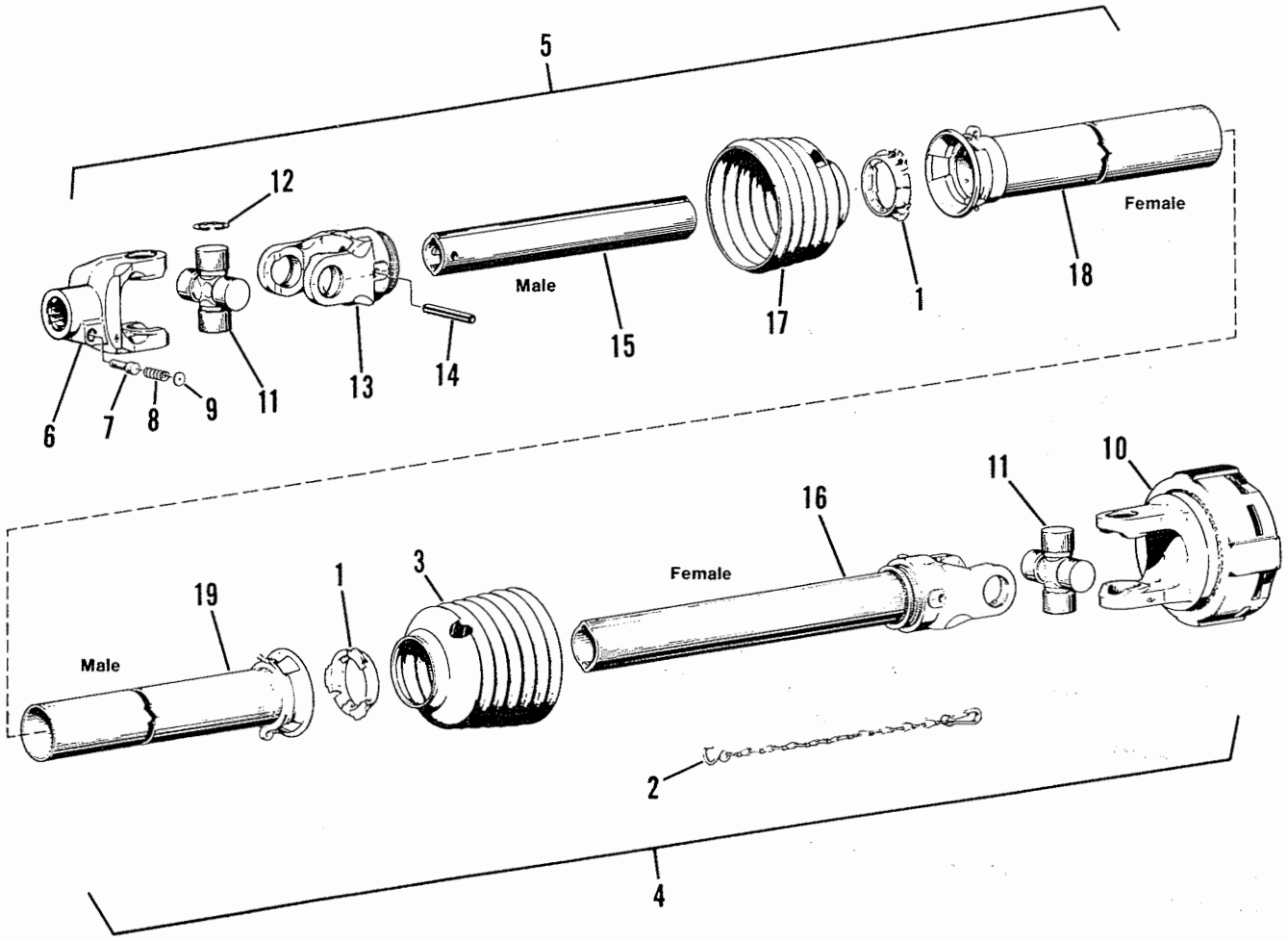
DC1080 - CUTTERBAR & DISCS





Ref. No.	Part No.	Part Name	No. Req.
1	071032	HFLS 12.9/M10 x 20	24
2	604597	Cup Washer 6207-AV	6
3	604653	Drive Gear (41T)	1
4	604656	Disc Hub	6
5	604658	Counterclockwise (LH) Knife	9
6	604659	Clockwise (RH) Knife	9
7	604661	Spacer	6
8	604662	Spacer	6
9	604663	Ring	6
10	604664	Knife Retainer Bolt	18
11	604665	Wrench (Spanner)	1
12	604670	O-Ring 34, 6 x 2, 62	6
13	604672	Bearing 6207-2RS-C3	6
14	604673	Bearing NU-207-C3	6
15	604916	Knife Disc - Left	3
16	604917	Knife Disc - Right	3
17	610468	Roll Pin 13 x 55	6
18	610476	Roll Pin 8 x 55	6
19	610495	NILN 10/M10	18

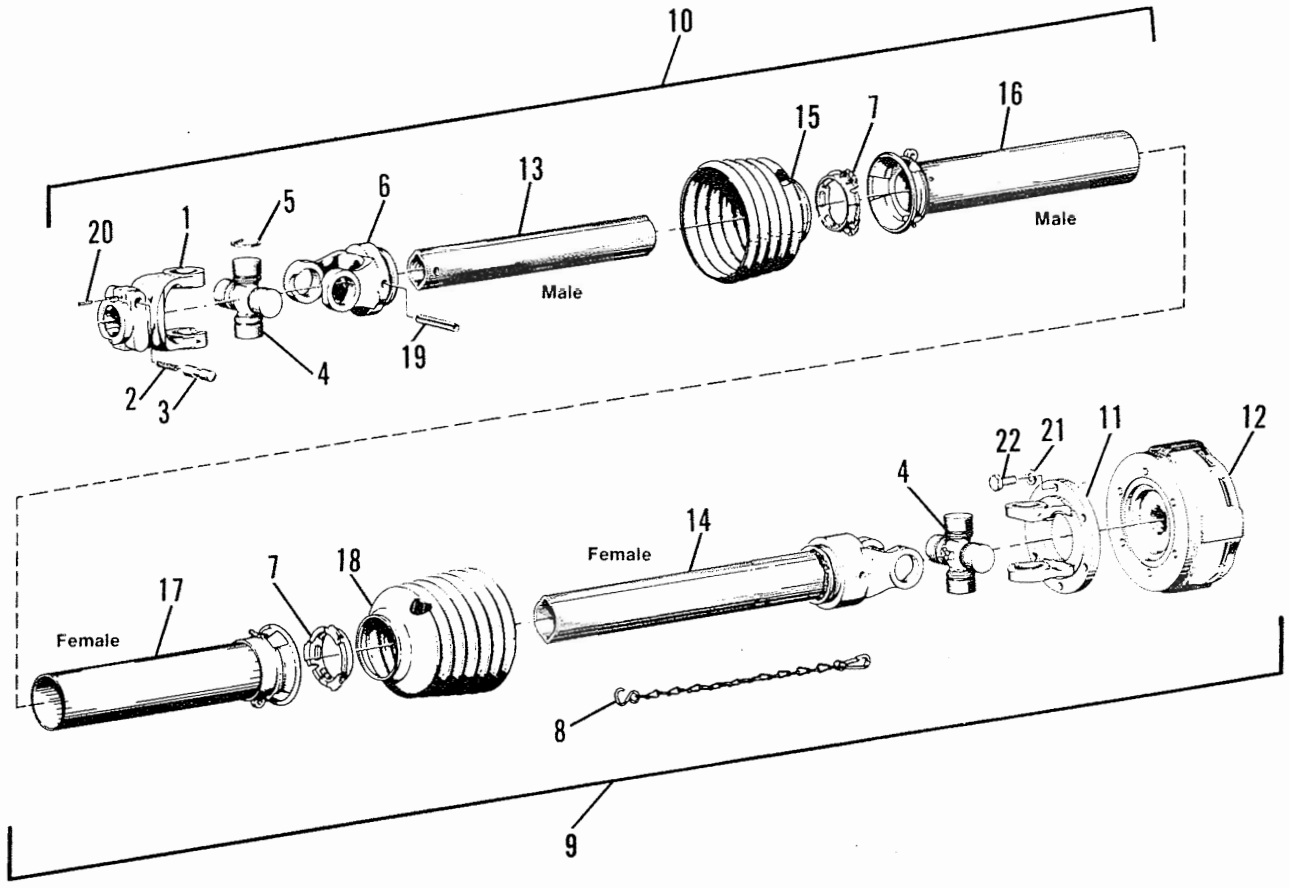
DC1080 - TELESCOPING PTO & SHIELDS
(Used after Serial #2334)



IMPORTANT: Order by Part Number - DO NOT use Illustration Reference Numbers.

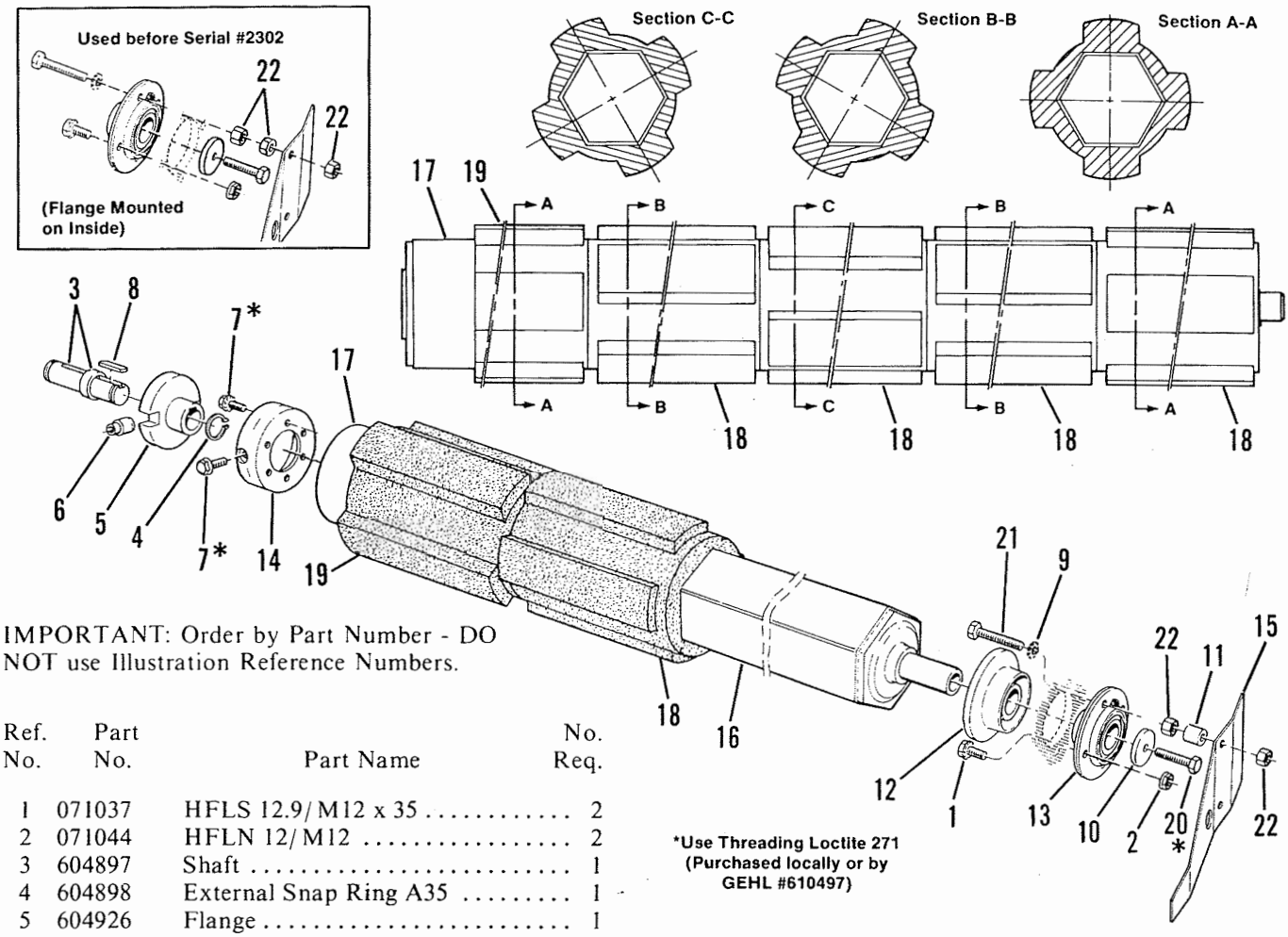
Ref. No.	Part No.	Part Name	No. Req.
1	604725	Guard Clip	2
2	604728	PTO Chain	1
3	604971	Rear Guard Bell	1
4	610700	Clutch Half of PTO - Assembled	1
5	610701	Front Half of PTO - Assembled	1
6	610702	Yoke	1
7	610703	Lock Pin	1
8	610704	Lock Pin Spring	1
9	610705	Retainer	1
10	610706	Slip Clutch & Yoke	1
	610855	Replaceable Linings	4
11	610707	Center Cross	2
	610494	Elbow Grease Fitting	2
12	610708	Retainer Ring	8
13	610709	Yoke	1
14	610710	Roll Pin 10 x 80	1
15	610711	Profile Tube - Male	1
16	610712	Profile Tube & Yoke - Female	1
17	610713	Front Guard Bell	1
18	610714	Front Guard Tube - Female	1
19	610715	Rear Guard Tube - Male	1

DC1080 - TELESCOPING PTO & SHIELDS
(Used before Serial #2335)



IMPORTANT: Order by Part Number - DO NOT use Illustration Reference Numbers.

Ref. No.	Part No.	Part Name	No. Req.
1	604713	Yoke	1
2	604714	Lock Pin Spring	2
3	604715	Lock Pin	2
4	604717	Center Cross	2
	610494	Elbow Grease Fitting	2
5	604718	Retainer Ring	4
6	604720	Yoke	1
7	604725	Guard Clip	2
8	604728	PTO Chain	1
9	604962	Clutch Half of PTO - Assembled	1
10	604963	Front Half of PTO - Assembled	1
11	604964	PTO Clutch Flange	1
12	604965	Slip Clutch	1
13	604966	Profile Tube - Male	1
14	604967	Profile Tube & Yoke - Female	1
15	604968	Front Guard Bell	1
16	604969	Front Guard Tube - Male	1
17	604970	Rear Guard Tube - Female	1
18	604971	Rear Guard Bell	1
19	610455	Roll Pin 10 x 75	1
20	610456	Roll Pin 4 x 20	2
21	610492	LW A10.5	6
22	656007	HHCS 8.8/M10 x 25	6

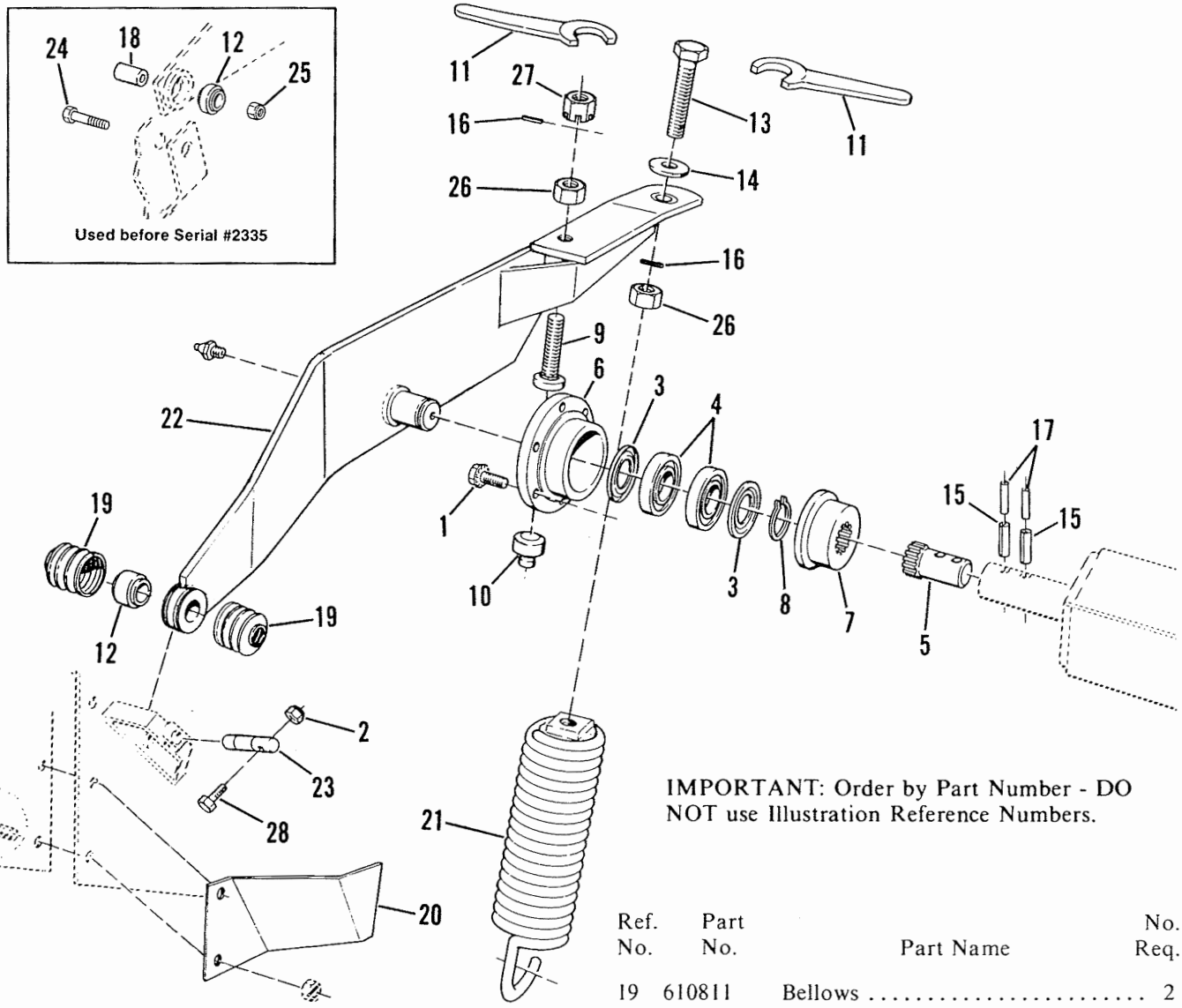


IMPORTANT: Order by Part Number - DO NOT use Illustration Reference Numbers.

Ref. No.	Part No.	Part Name	No. Req.
1	071037	HFLS 12.9/M12 x 35	2
2	071044	HFLN 12/M12	2
3	604897	Shaft	1
4	604898	External Snap Ring A35	1
5	604926	Flange	1
6	604927	Nut	2
7	604933	HFLS 12.9/M12 x 25	8
8	604934	Key B10 x 8-32	1
9	610490	SW AZ13	2
10	610577	Spacer (Used after Serial #2301)	1
	604816	Spacer (Used before Serial #2302)	1
11	610578	Spacer (Used only after Serial #2301)	2
12	610580	Bearing Support (Used after Serial #2301)	1
	604925	Bearing Support (Used before Serial #2302)	1
13	610581	Flange GRA50 (Used after Serial #2301)	1
	604936	Flange GRA40 (Used before Serial #2302)	1
14	610669	Spring Coupling	1
	570002	Grease Fitting (Used after Serial #2334)	1
	604928A	Spring Coupling	1
	570002	Grease Fitting (Used before Serial #2335)	1
15	610670	Cover (Used after Serial #2334)	1
	610579	Cover (Used after Serial #2301 & before Serial #2335)	1
	604930	Cover (Used before Serial #2302)	1
16	610827	Lower Roller (Used after Serial #2334)	1
	610576A	Lower Roller (Used after Serial #2301 & before Serial #2335)	1
	604924	Lower Roller (Used before Serial #2302)	1
17	610868	Ring (Used only after Serial #2301)	1
18	610877	Crimper Roll	4
19	610878	Crimper Roll (Used after Serial #2378)	1
	610828	Crimper Roll (Used after Serial #2301 & before Serial #2379)	1
	610833B	Crimper Roll (Used before Serial #2302)	1
20	656020	HHCS 8.8/M12 x 55	1
21	656021	HHCS Pl. 8.8/M12 x 70 (Used after Serial #2334)	2
	656081	HHCS Pl. 8.8/M12 x 65 (Used after Serial #2301 & before Serial #2335)	2
22	656050	HN 8/M12 (6 used before Serial #2302)	4

A For replacement, order current part.
B Replaced by (1) 610878 and (1) 610868.

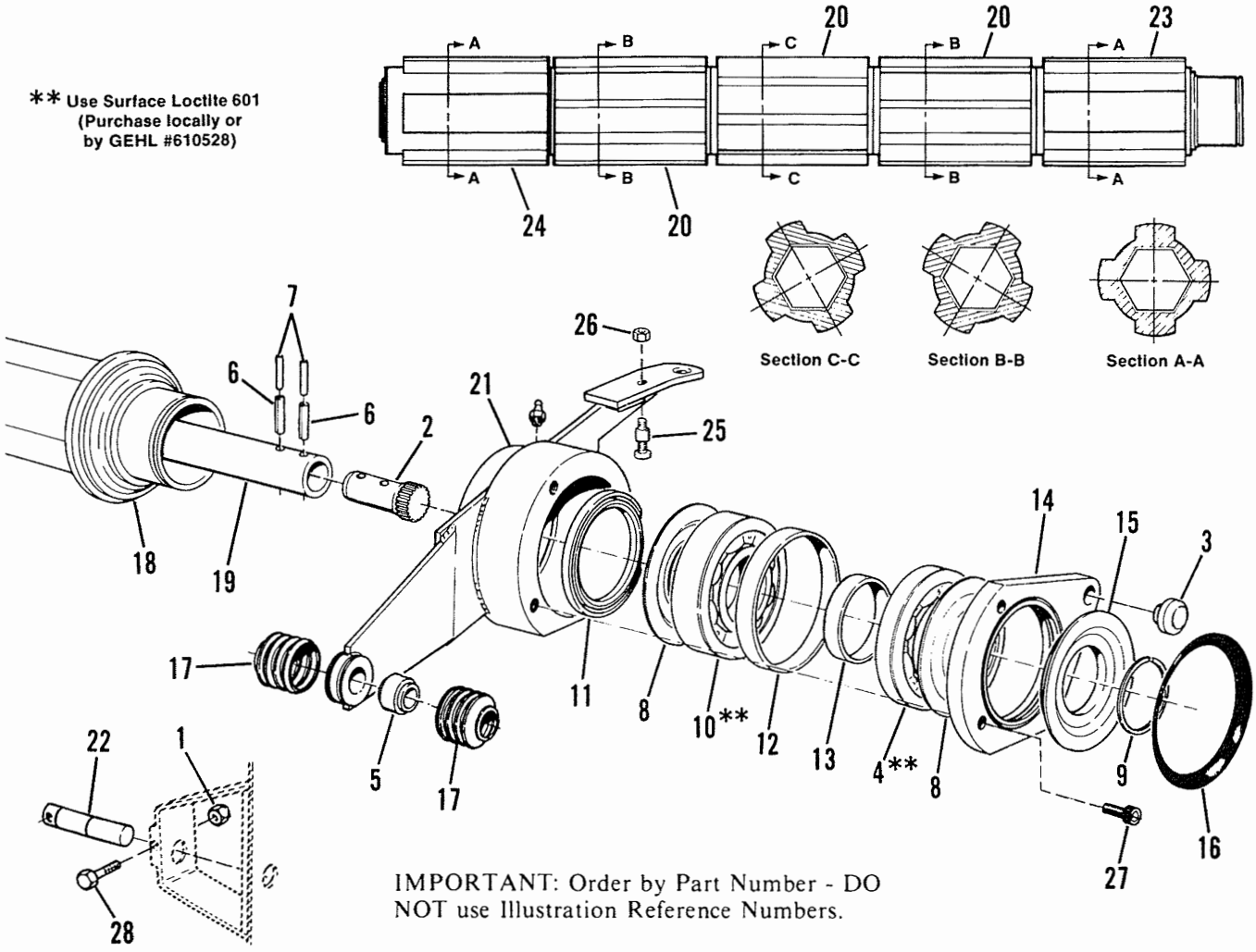
DC1080 - RIGHT ROLLER SUPPORT



IMPORTANT: Order by Part Number - DO NOT use Illustration Reference Numbers.

Ref. No.	Part No.	Part Name	No. Req.
1	071036	HFLS 12.9/M12 x 30	6
2	071244	NILN 8/M6	1
		(Used after Serial #2378)	
3	604827	Washer 6208-ZAV	2
4	604828	Bearing 6208-2RS	2
5	604884	Spline Shaft	1
6	604937	Flange	1
7	604938	Roller Drive Flange	1
8	604939	External Snap Ring A40	1
9	604941	Bolt	1
10	604950	Buffer	2
11	604952	30mm Wrench	2
12	604957	Flexible Bearing GE20 DO	1
13	610423	Bolt	2
14	610424	Washer 21	2
15	610451	Roll Pin 10 x 36	2
16	610458	Roll Pin 4 x 28	4
17	610465	Roll Pin 6 x 36	2
18	610523	Bushing	1
		(Used only before Serial #2335)	
19	610811	Bellows	2
20	610842	Protection Plate	1
21	610856	Spring Assembly	1
22	610884	Upper Roller Arm - Right	1
		(Used after Serial #2334)	
	570002	Grease Fitting	1
	610835	Upper Roller Arm - Right	1
		(Used before Serial #2335)	
	570002	Grease Fitting	1
23	610885	Pin - Right	1
		(Used after Serial #2378)	
	610841	Pin - Right	1
		(Used after Serial #2334 & before Serial #2379)	
24	656021	HHCS 8.8/M12 x 70	1
		(Used only before Serial #2335)	
25	656058	NILN 8/M12	1
		(Used only before Serial #2335)	
26	656068	HJN 8/M20	3
27	656069	CN 8/M20	2
28	656088	HHCS 8.8/M6 x 60	1
		(Used after Serial #2378)	
	610461	Roll Pin	1
		(Used before Serial #2379)	

DC1080 - UPPER ROLLER & LEFT ROLLER SUPPORT



IMPORTANT: Order by Part Number - DO NOT use Illustration Reference Numbers.

Ref. No.	Part No.	Part Name	No. Req.
1	071244	HN 8/M6	1
		(Used after Serial #2378)	
2	604884	Spline Shaft	1
3	604951	Buffer	1
4	604956	Bearing 16026	1
5	604957	Flexible Bearing GE20 DO	1
6	610451	Roll Pin 10 x 36	2
7	610465	Roll Pin 6 x 36	2
8	610529	Protection Ring	2
9	610565	Ring	1
10	610803	Bearing 6026	1
11	610804	Lubricating Ring	1
12	610805	Distance Ring	1
13	610806	Distance Ring	1
14	610807	Ring	1
15	610809	Ring	1
16	610810	Ring	1
17	610811	Bellows	2
18	610829	Upper Roller Holder	1
19	610836	Pipe	1
20	610877	Rubber Roll	3
21	610879	Upper Roller Arm - Left	1
		(Used after Serial #2334)	
	570002	Grease Fitting	1
	610802	Upper Roller Arm - Left	1
		(Used before Serial #2335)	
	570002	Grease Fitting	1
22	610880	Pin - Left	1
		(Used after Serial #2378)	
	610812	Pin - Left	1
		(Used before Serial #2379)	
23	610881	Rubber Roll	1
24	610882	Rubber Roll	1
25	610883	Bolt	1
26	656068	HJN 8/M20	1
27	656080	SHCS 8.8/M10 x 20	3
28	656088	HHCS 8.8/M6 x 60	1
		(Used after Serial #2378)	
	610461	Roll Pin	1
		(Used before Serial #2379)	

NOTES

NOTES

DECAL LOCATIONS

Decal Locations are shown to assist in application of new decals in the event of damage to the Decal or refinishing of the machine. Check listing for information and the illustrations for their location.

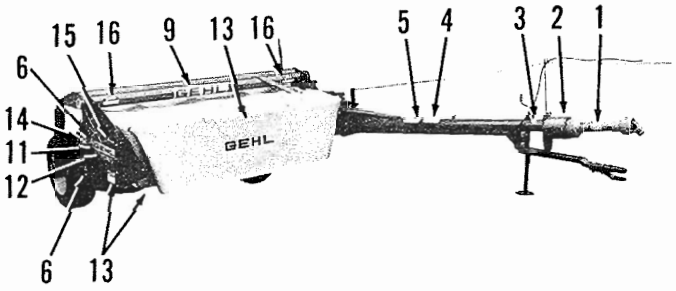
Surfaces **MUST** be free from dirt, dust, grease and other foreign material before applying the new Decal. To apply, remove the smaller portion of the decal backing paper and apply this part of the exposed adhesive backing to the clean surface while maintaining proper position and alignment. Peel the other portion of the backing paper off slowly while applying hand pressure to smooth out Decal surface.

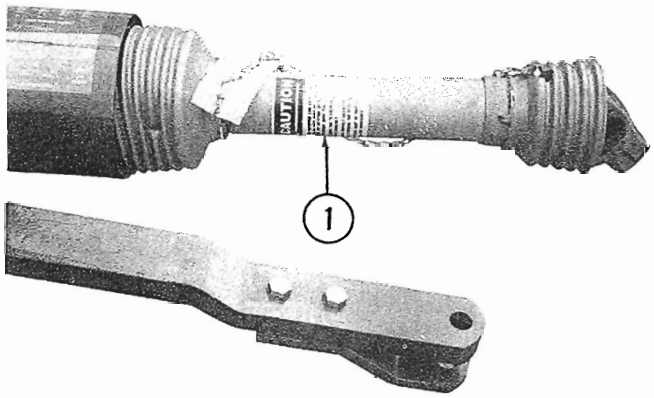
NOTE: Discard Decals NOT required for this machine. Always order Decals by set number. DO NOT order Decals separately.

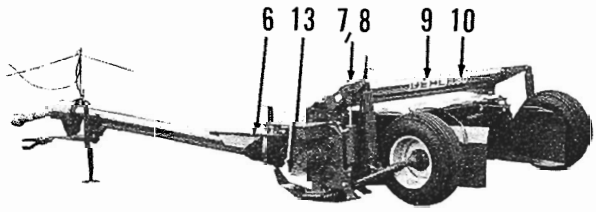
WARNING: Always Observe Safety Rules Shown on Decals. If Decals become damaged, or if unit is repainted, replace Decals.

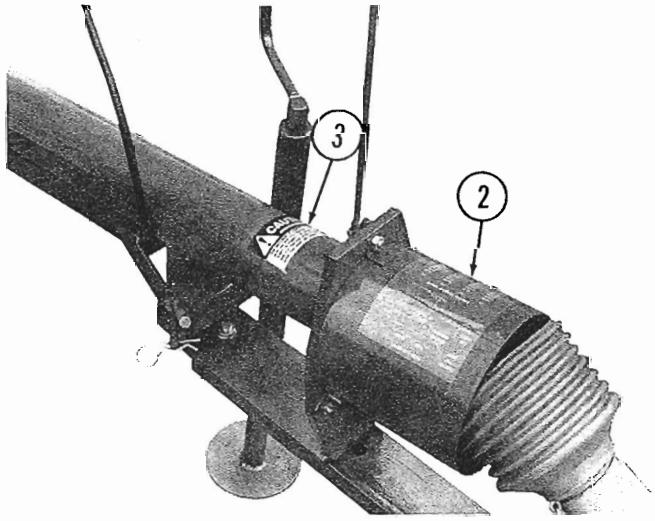
The Decal Set Number for the DC1080 Disc Conditioner is 071137. The Set includes the following:

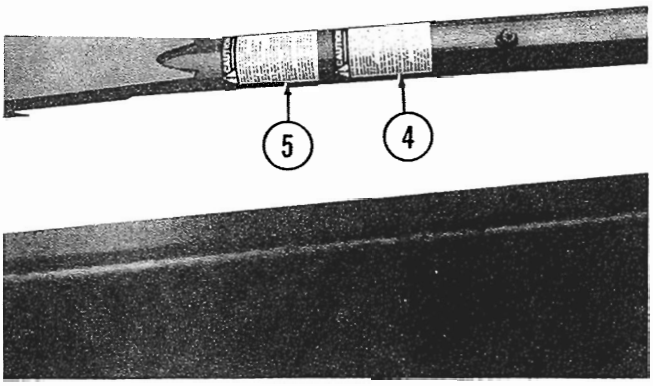
1 - 073672 CAUTION - PTO Shield & Lock Chain Attachment
2 - 071774 Decal - Hitch Clip Setup
3 - 073671 CAUTION - 540 Operation Only
4 - 071712 CAUTION - General Safety
5 - 071713 CAUTION - Read Operator's Manual
6 - 061187 Decal - Grease Fitting Symbol (3 Places)
7 - 072254 WARNING - Install Transport Pin
8 - 073674 Decal - Grease Two Fittings Regularly
9 - 061203 GEHL 5 x 24-1/2 (2 Places)
10 - 070536 1080 5 x 15-1/4
11 - 061201 GEHL 3 x 13
12 - 070535 1080 2-13/16 x 10-1/2
13 - 073676 DANGER - Rotating Blades (4 Places)
14 - 072261 Decal - Cutterbar Oil Level Checking Detail
15 - 070530 Decal - Check Flotation Here
16 - 073673 CAUTION - Stay Clear of Cutterbar (2 Places)







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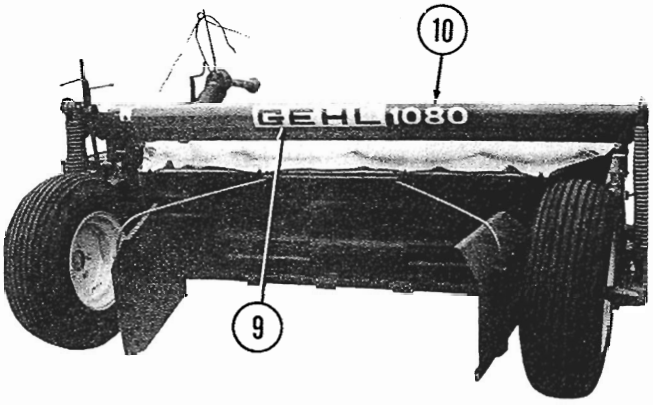
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GEHL 1080
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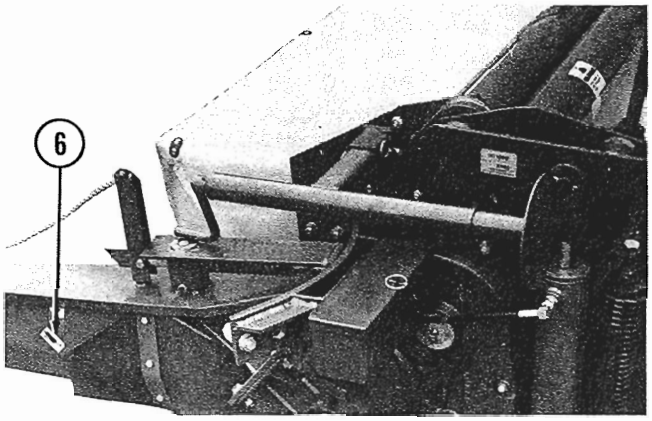
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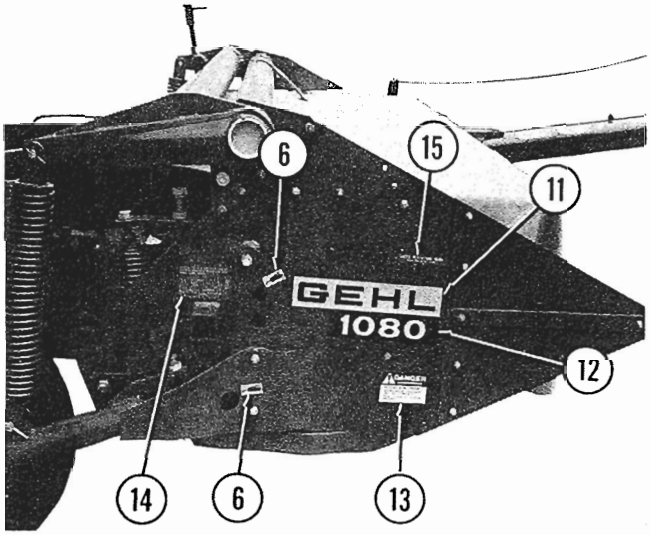
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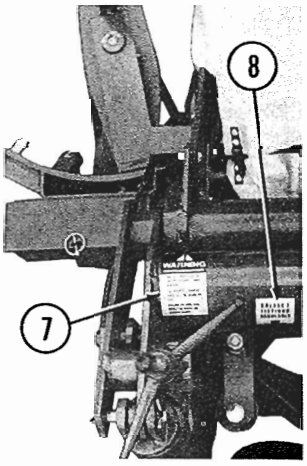
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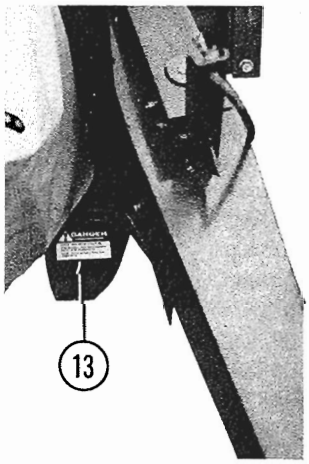
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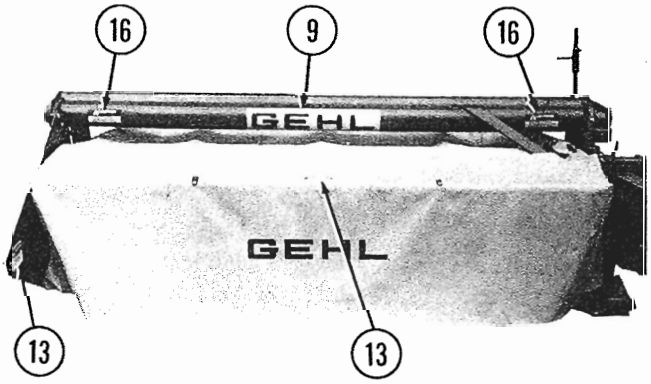
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GEHL
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DC1080 - NUMERICAL INDEX

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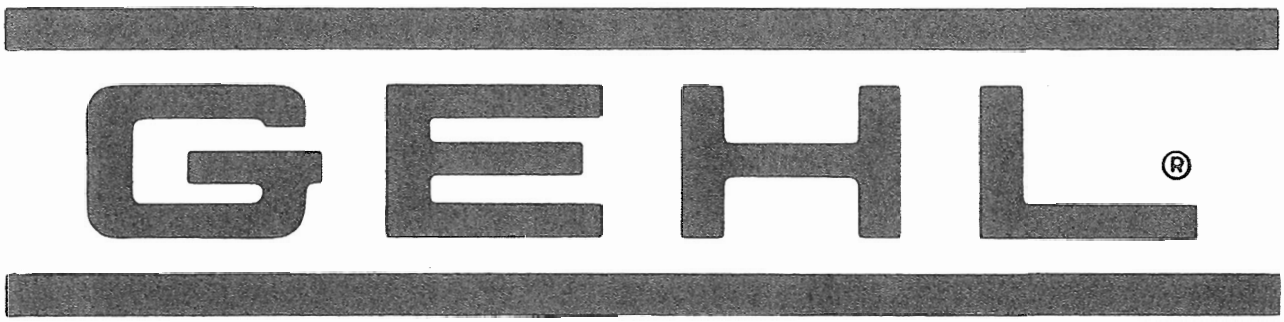

FARM EQUIPMENT

GEHL COMPANY WEST BEND, WISCONSIN 53095 U.S.A.

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