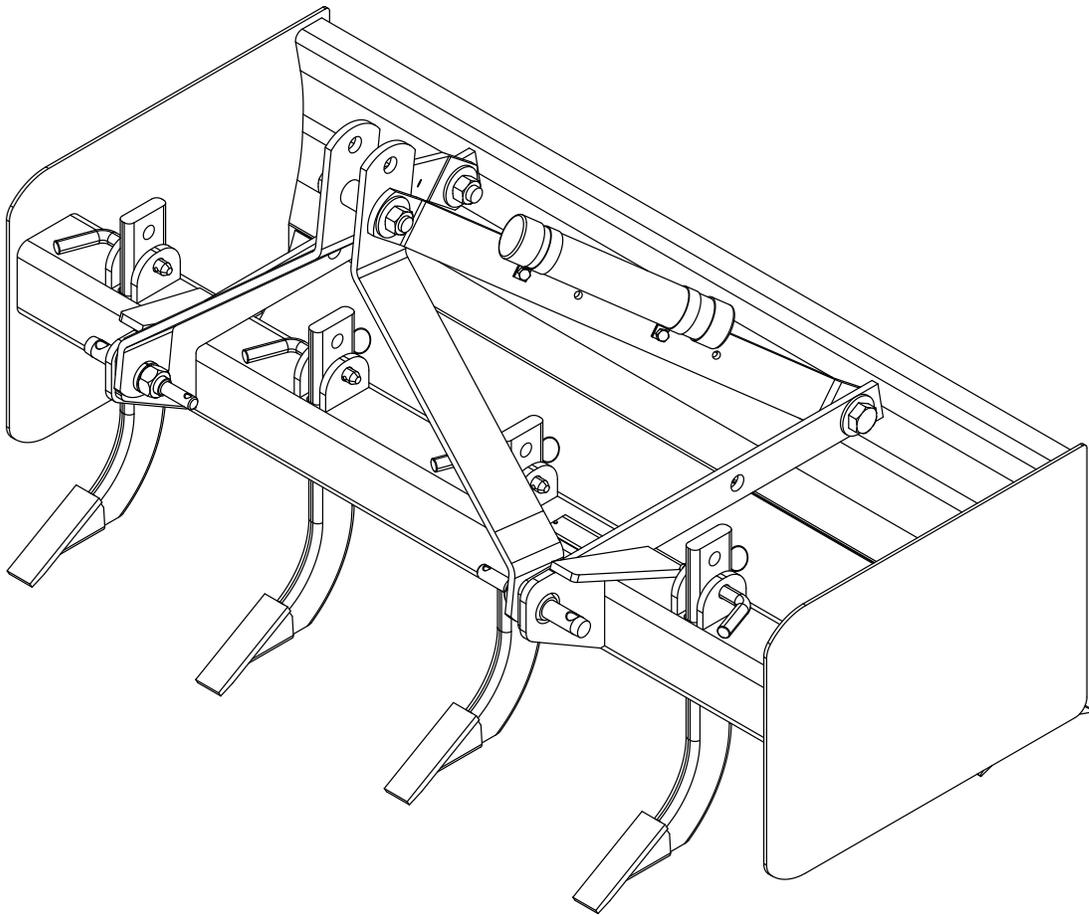


**WOODS**<sup>®</sup>

**BOX SCRAPER**  
**GBC48**



**MAN0179**  
(Rev 06/07/2023)

**OPERATOR'S MANUAL**

## TO THE DEALER:

Assembly and proper installation of this product is the responsibility of the Woods® dealer. Read manual instructions and safety rules. Make sure all items on the Dealer's Pre-Delivery and Delivery Checklists in the Operator's Manual are completed before releasing equipment to the owner.

The dealer must complete the Product Registration included with the Operator's Manual. The customer must sign the registration which certifies that all Dealer Checklist items have been completed. The dealer is to return the prepaid postage portion to Woods, give one copy to the customer, and retain one copy.

**Failure to register the product does not diminish customer's warranty rights.**

## TO THE OWNER:

Read this manual before operating your Woods equipment. The information presented will prepare you to do a better and safer job. Keep this manual handy for ready reference. Require all operators to read this manual carefully and become acquainted with all adjustment and operating procedures before attempting to operate. Replacement manuals can be obtained from your dealer. To obtain complete warranty details, visit [WoodsEquipment.com/warranty](http://WoodsEquipment.com/warranty). You may also request a hard copy by calling 1-800-319-6637 or mail your request to: Woods Equipment Company, Attn: Warranty Dept. 2606 South Illinois Route 2, Oregon, IL 61061. To locate your nearest dealer, check the Dealer Locator at [www.WoodsEquipment.com](http://www.WoodsEquipment.com), or in the United States and Canada call 1-800-319-6637.

The equipment you have purchased has been carefully engineered and manufactured to provide dependable and satisfactory use. Like all mechanical products, it will require cleaning and upkeep. Lubricate the unit as specified. Observe all safety information in this manual and safety decals on the equipment.

For service, your authorized Woods dealer has trained mechanics, genuine Woods service parts, and the necessary tools and equipment to handle all your needs.

Use only genuine Woods service parts. Substitute parts will void the warranty and may not meet standards required for safe and satisfactory operation. Record the model number and serial number of your equipment in the spaces provided:

**Model:** \_\_\_\_\_ **Date of Purchase:** \_\_\_\_\_

**Serial Number:** (see Safety Decal section for location) \_\_\_\_\_

Provide this information to your dealer to obtain correct repair parts.

Throughout this manual, the term **NOTICE** is used to indicate that failure to observe can cause damage to equipment. The terms **CAUTION**, **WARNING**, and **DANGER** are used in conjunction with the Safety-Alert Symbol (a triangle with an exclamation mark) to indicate the degree of hazard for items of personal safety.



This is the safety alert symbol. It is used to alert you to potential physical injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.



Indicates a hazardous situation that, if not avoided, will result in death or serious injury.



Indicates a hazardous situation that, if not avoided, could result in death or serious injury.



Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.

**IMPORTANT  
or NOTICE**

Is used to address practices not related to physical injury.

**NOTE**

Indicates helpful information.

## 2 Introduction

MAN0179  
(06/07/2023)

# TABLE OF CONTENTS

<b>INTRODUCTION</b> . . . . .	<b>2</b>
WARRANTY INFORMATION . . . . .	2
SPECIFICATIONS . . . . .	4
GENERAL INFORMATION . . . . .	4
<b>SAFETY RULES</b> . . . . .	<b>5</b>
TRAINING . . . . .	5
PREPARATION . . . . .	5
OPERATION . . . . .	5
TRANSPORTATION . . . . .	6
MAINTENANCE . . . . .	6
STORAGE . . . . .	6
<b>SAFETY DECALS</b> . . . . .	<b>7</b>
<b>OPERATION</b> . . . . .	<b>8</b>
PRE-OPERATION CHECKLIST . . . . .	8
CONNECTING BOX SCRAPER TO TRACTOR . . . . .	8
ADJUSTING TOP LINK . . . . .	9
BACKFILLING . . . . .	9
SCARIFYING . . . . .	10
SCRAPING . . . . .	10
LEVELING . . . . .	10
STORAGE . . . . .	10
<b>OWNER SERVICE</b> . . . . .	<b>11</b>
BLOCKING UP BOX SCRAPER . . . . .	11
REPLACING CUTTING EDGE . . . . .	11
REMOVING SCARIFIER SHANKS . . . . .	11
REPLACING SCARIFIER SHANK TOOTH . . . . .	12
CLEANING . . . . .	12
<b>ASSEMBLY</b> . . . . .	<b>13</b>
DEALER SET-UP INSTRUCTIONS . . . . .	13
REMOVE COMPONENTS . . . . .	13
ASSEMBLE BOX SCRAPER . . . . .	14
OPTIONAL QUICK HITCH PIN KIT . . . . .	14
<b>DEALER CHECKLISTS</b> . . . . .	<b>15</b>
<b>PARTS</b> . . . . .	<b>17</b>
<b>APPENDIX</b> . . . . .	<b>20</b>
BOLT TORQUE CHART . . . . .	20
BOLT SIZE CHART & ABBREVIATIONS . . . . .	21

	<p><b>¡LEA EL INSTRUCTIVO!</b></p> <p>Si no lee Ingles, pida ayuda a alguien que si lo lee para que le traduzca las medidas de seguridad.</p>
---	---

	<p><b>This Operator's Manual should be regarded as part of the machine. Suppliers of both new and second-hand machines must make sure that this manual is provided with the machine.</b></p>
---	--

# SPECIFICATIONS

## GBC48

Overall Width	48"
Weight	285 lbs.
Cutting Edge	1/2" x 6" x 47" Reversible
Moldboard Thickness	7 - gauge
Side Plate Thickness	7 - gauge
Scarifier	Adjustable, 3 Position with replaceable wear points
Capacity	9 cu.ft.
Tractor Rating	Max. Engine 25 hp
Tractor 3-Point	Category 1 & Category 0
Quick Hitch	Category 1 Compatible

---

## GENERAL INFORMATION

The purpose of this manual is to assist you in operating and maintaining your Rear Blade. Read it carefully. It furnishes information and instructions that will help you achieve years of dependable performance. These instructions have been compiled from extensive field experience and engineering data. Some information may be general in nature, due to unknown and varying operating conditions. However, through experience and these instructions, you should be able to develop procedures suitable to your particular situation.

The illustrations and data used in this manual were current at the time of printing. However, due to possible inline production changes, your machine may vary slightly in detail. We reserve the right to redesign and change the machines as may be necessary without notification.

Throughout this manual, references are made to right and left directions. These are determined by standing behind the tractor facing the direction of forward travel.

# SAFETY RULES



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



Safety is a primary concern in the design and manufacture of our products. Unfortunately, our efforts to provide safe equipment can be wiped out by an operator's single careless act.

In addition to the design and configuration of equipment, hazard control and accident prevention are dependent upon the awareness, concern, judgement, and proper training of personnel involved in the operation, transport, maintenance and storage of equipment.

It has been said "The best safety device is an informed, careful operator." We ask you to be that kind of operator.

## TRAINING

- Safety instructions are important! Read all attachment and power unit manuals; follow all safety rules and safety decal information. (Replacement manuals and safety decals are available from your dealer. To locate your nearest dealer, check the Dealer Locator at [www.WoodsEquipment.com](http://www.WoodsEquipment.com), or in the United States and Canada call 1-800-319-6637.) Failure to follow instructions or safety rules can result in serious injury or death.
- If you do not understand any part of this manual and need assistance, see your dealer.
- Know your controls and how to stop engine and attachment quickly in an emergency.
- Operators must be responsible, trained, familiar with the instructions and be physically capable of the safe operation of the equipment, its attachments, and all controls. Do not allow anyone to operate this equipment without proper instructions.
- Never allow children or untrained persons to operate equipment.

## PREPARATION

- Always wear relatively tight and belted clothing to avoid entanglement in moving parts. Wear sturdy, rough-soled work shoes and protective equipment for eyes, hair, hands, hearing, and head.
- Make sure attachment is properly secured, adjusted, and in good operating condition.

- Power unit must be equipped with ROPS or ROPS cab and seat belt. Keep seat belt securely fastened. Falling off power unit can result in death from being run over or crushed. Keep foldable ROPS systems in "locked up" position at all times.
- A minimum 20% of tractor and equipment weight must be on the tractor front wheels when attachments are in transport position. Without this weight, tractor could tip over, causing personal injury or death. The weight may be attained with a loader, front wheel weights, ballast in tires or front tractor weights. Weigh the tractor and equipment. Do not estimate.
- Make sure all safety decals are installed. Replace if damaged. (See Safety Decals section for location.)

## OPERATION

- Never go underneath equipment (lowered to the ground or raised) unless it is properly blocked and secured. Never place any part of the body underneath equipment or between moveable parts even when the engine has been turned off. Hydraulic system leak down, hydraulic system failures, mechanical failures, or movement of control levers can cause equipment to drop or rotate unexpectedly and cause severe injury or death.
- Always comply with all state and local lighting and marking requirements.
- Operate only in daylight or good artificial light.
- Keep bystanders away from equipment.
- Keep hands, feet, hair, and clothing away from equipment while engine is running. Stay clear of all moving parts.
- Power unit must be equipped with ROPS or ROPS cab and seat belt. Keep seat belt securely fastened. Falling off power unit can result in death from being run over or crushed. Keep foldable ROPS system in "locked up" position at all times.
- Never allow riders on power unit or attachment.
- Always sit in power unit seat when operating controls or starting engine. Securely fasten seat belt, place transmission in neutral, engage brake, and ensure all other controls are disengaged before starting power unit engine.
- Look down and to the rear and make sure area is clear before operating in reverse.

# SAFETY RULES



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



- Use extreme care when working close to fences, ditches, other obstructions, or on hillsides.
- Do not operate or transport on steep slopes.
- Do not stop, start, or change directions suddenly on slopes.
- Use extreme care and reduce ground speed on slopes and rough terrain.
- Watch for hidden hazards on the terrain during operation.
- Stop power unit and equipment immediately upon striking an obstruction. Turn off engine, remove key, inspect, and repair any damage before resuming operation.
- Never go underneath equipment (lowered to the ground or raised) unless it is properly blocked and secured. Never place any part of the body underneath equipment or between moveable parts even when the engine has been turned off. Hydraulic system leak down, hydraulic system failures, mechanical failures, or movement of control levers can cause equipment to drop or rotate unexpectedly and cause severe injury or death.
- Make sure attachment is properly secured, adjusted, and in good operating condition.
- Never perform service or maintenance with engine running.
- Keep all persons away from operator control area while performing adjustments, service, or maintenance.
- Tighten all bolts, nuts, and screws to torque chart specifications. Check that all cotter pins are installed securely to ensure equipment is in a safe condition before putting unit into service.

## MAINTENANCE

- Before dismounting tractor or performing any service or maintenance, lower attachment to ground, turn off engine, set parking brake, operate valve levers to release any hydraulic pressure, and remove key.
- Always wear relatively tight and belted clothing to avoid getting caught in moving parts. Wear sturdy, rough-soled work shoes and protective equipment for eyes, hair, hands, hearing, and head; and respirator or filter mask where appropriate.

## STORAGE

- To help prevent injury caused by a falling implement, always detach on a hard level surface.
- Block equipment securely for storage.
- Keep children, bystanders, and animals away from the equipment and the storage area.
- Follow manual instructions for storage.

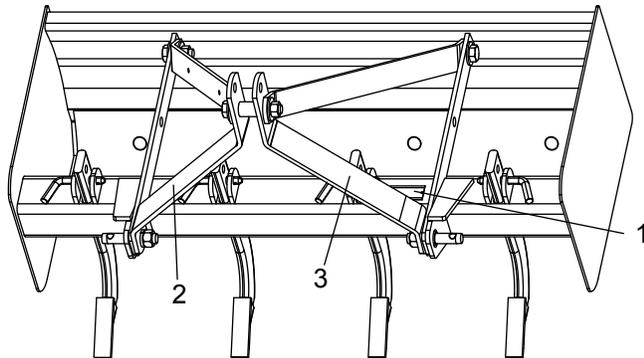
# SAFETY & INSTRUCTIONAL DECALS



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



**Replace Immediately If Damaged!**



CD6164B

## 1 - Serial Number Plate



## BE CAREFUL!

Keep safety decals clean and visible.

Use a clean, damp cloth to clean safety decals.

Avoid spraying too close to decals when using a pressure washer; high-pressure water can enter through very small scratches or under edges of decals causing them to peel or come off.

Replace safety decals if they are missing or illegible.

Replacement safety decals can be ordered free from your Woods dealer. To locate your nearest dealer, check the Dealer Locator at [www.WoodsEquipment.com](http://www.WoodsEquipment.com), or in the United States and Canada call 1-800-319-6637.

## 2 - P/N 1021069

**⚠ WARNING**

**CRUSHING AND PINCHING HAZARD**

- Handle machine parts carefully. Body parts could be crushed or pinched between tractor and implement.
- Operate tractor controls from tractor seat only.
- Do not stand between tractor and implement when tractor is in gear.
- Make sure parking brake is engaged before going between tractor and implement.
- Stand clear of machine while in operation or when it is being raised or lowered.

**FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN INJURY OR DEATH.**

**⚠ WARNING**

**RAISED IMPLEMENT CAN DROP AND CRUSH**

- Never go underneath raised implement which can drop from equipment or tractor 3-point hitch hydraulic leak down, hydraulic system failures, movement of control levers, or mechanical linkage failures.
- Service work does not require going underneath implement. Read manual instructions.

**GOING UNDERNEATH IMPLEMENT CAN RESULT IN SERIOUS INJURY OR DEATH.**

1021069

## 3 - P/N 1021070

**⚠ WARNING**

**CRUSHING AND PINCHING HAZARD**

- Handle machine parts carefully. Body parts could be crushed or pinched between tractor and implement.
- Operate tractor controls from tractor seat only.
- Do not stand between tractor and implement when tractor is in gear.
- Make sure parking brake is engaged before going between tractor and implement.
- Stand clear of machine while in operation or when it is being raised or lowered.

**⚠ WARNING**

**TO AVOID SERIOUS INJURY OR DEATH:**

- Read Operator's Manual before operating, servicing, or repairing equipment. Follow all safety rules and instructions. (Manuals are available from dealer or call 1-800-319-6637.)
- Lower equipment to ground, stop engine, remove key, and set brake before dismounting tractor.
- Never allow children or untrained persons to operate equipment.
- Never allow riders.
- Keep bystanders away from equipment during operation.
- Keep all shields in place and in good condition.

**⚠ WARNING**

**FALLING OFF CAN RESULT IN BEING RUN OVER.**

- Tractor must be equipped with ROPS (or ROPS CAB) and seat belt. Keep foldable ROPS systems in "locked up" position at all times.
- Buckle Up! Keep seat belt securely fastened.

**FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN SERIOUS INJURY OR DEATH.**

1021070

# OPERATION

The operator is responsible for the safe operation of this equipment. The operator must be properly trained. Operators should be familiar with the equipment, the tractor, and all safety practices before starting operation. Read the safety rules and safety decals on page 5 through page 7.

The box scrapers are designed for a wide range of applications: scarifying, scraping, leveling, grading, and backfilling.

## WARNING

- Power unit must be equipped with ROPS or ROPS cab and seat belt. Keep seat belt securely fastened. Falling off power unit can result in death from being run over or crushed. Keep foldable ROPS system in “locked up” position at all times.
- Never allow children or untrained persons to operate equipment.
- Keep bystanders away from equipment.
- NEVER GO UNDERNEATH EQUIPMENT. Never place any part of the body underneath equipment or between moveable parts even when the engine has been turned off. Hydraulic system leak-down, hydraulic system failures, mechanical failures, or movement of control levers can cause equipment to drop or rotate unexpectedly and cause severe injury or death.
  - Service work does not require going underneath.
  - Read Operator’s Manual for service instructions or have service performed by a qualified dealer.
- Keep hands, feet, hair, and clothing away from equipment while engine is running. Stay clear of all moving parts.

## CAUTION

- Stop power unit and equipment immediately upon striking an obstruction. Turn off engine, remove key, inspect, and repair any damage before resuming operation.
- Always wear relatively tight and belted clothing to avoid getting caught in moving parts. Wear sturdy, rough-soled work shoes and protective equipment for eyes, hair, hands, hearing, and head; and respirator or filter mask where appropriate.

## PRE-OPERATION CHECKLIST

### (OWNER’S RESPONSIBILITY)

- \_\_\_\_\_ Review and follow all safety rules and safety decal instructions on pages 5 through 7.
- \_\_\_\_\_ Check that equipment is properly and securely attached to tractor.
- \_\_\_\_\_ Check that all safety decals are installed and in good condition. Replace if damaged
- \_\_\_\_\_ Check that all hardware and cotter pins are properly installed and secured.
- \_\_\_\_\_ Do not allow riders.
- \_\_\_\_\_ Make sure tractor ROPS or ROPS cab and seat belt are in good condition. Keep seat belt securely fastened during operation.

## CONNECTING BOX SCRAPER TO TRACTOR

This box scraper should be mounted on tractors with a maximum engine rating of 25 hp and not to exceed 2000 lbs.

This box scraper is compatible with Category 1 and Category 0, 3-point tractors equipped with side swing type lower lift arms.

Adjust or remove tractor drawbar to eliminate interference with box scraper.

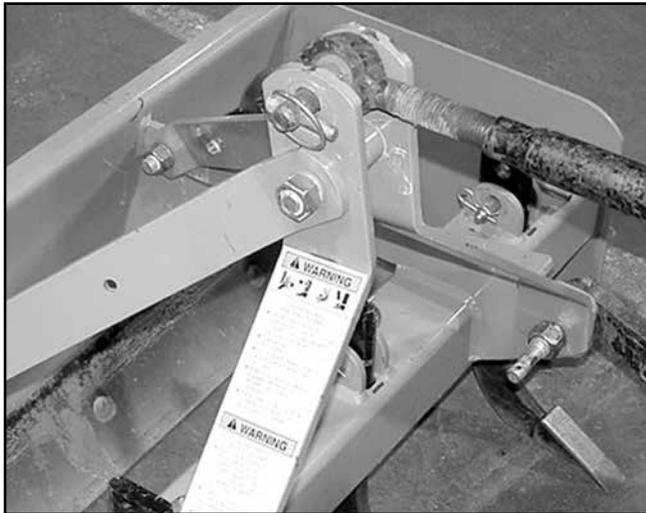
### Category 1

#### IMPORTANT

- The 3/4" bolt and sleeve in the lower hole provide the attachment point for a Category 1 quick coupler. Do not remove this bolt and sleeve when operating the box scraper.
1. Place tractor 3-point lower lift arms over outer hitch pins.
  2. Secure with klik pin (not provided) as shown in Figure 1.
  3. Attach the tractor’s top link to the top of the box scraper’s A-frame bars.
  4. Secure with the heavy-duty top link pin and retaining pin supplied with the top link as shown in Figure 2.



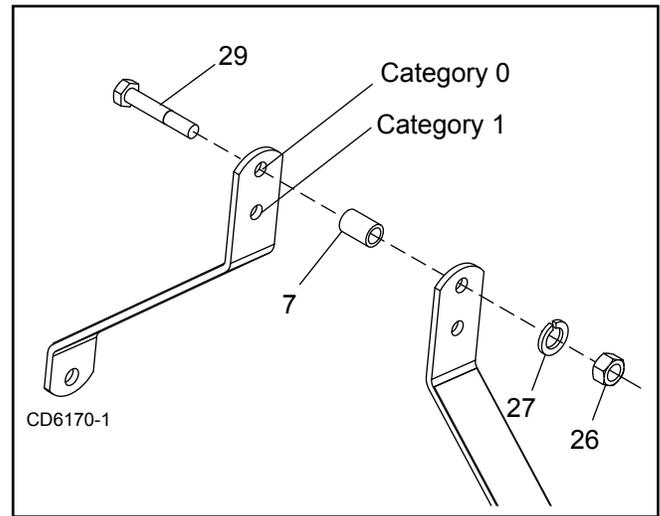
**Figure 1.** 3-Point Lower Lift Arms Connected



**Figure 2.** Top Link Connected

### Category 0

1. Remove cap screw (29), sleeve (7), lock washer (27), and hex nut (26) from lower hole on A-frame bars as shown in Figure 3.
2. Replace cap screw, sleeve, lock washer, and hex nut into top hole on A-frame bars.
3. Place tractor 3-point lower lift arms over inner hitch pins.
4. Secure with safety pins (not provided).
5. Connect tractor top link by inserting tractor clevis pin into lower hitch point on A-frame bars and secure.



**Figure 3.** Sleeve Locations

### Quick Hitch (Category 1 Only)

The GBC48 will attach to a Category 1 quick hitch.

1. Use Bushing Kit 1004653 when using a quick coupler. See parts section for a list of parts.
2. Place bushings over mounting pin and secure into position.
3. Align quick hitch with mounting pins and sleeve in lower hole on box scraper's A-frame bars.

### ADJUSTING TOP LINK

The box scraper is leveled by adjusting the length of the tractor's top link.

- Shortening the top link will deepen the scarifier tooth penetration.
- Lengthening the top link will provide better scraping and leveling action.

Experience will allow the operator to determine the best setting for each application.

### BACKFILLING

1. Raise or remove scarifier shanks (see page 11).
2. Lower the blade to the ground and back up into the fill material.
3. Shorten the top link to raise the cutting blade and control how much the blade digs in.

## **SCARIFYING**

1. Place the scarifier shanks in position with the points facing toward the tractor.
2. Lock into position with the pins provided. The lower shank position provides the greatest ground penetration.
3. Lower the box scraper and drive the tractor ahead to begin the scarifying operation.
4. Adjust the depth of the scarifier by tilting the unit with the tractor top link. Shortening the top link will provide deeper and more aggressive operation.

## **SCRAPING**

1. Raise or remove the scarifier shanks (see page 11). Lower the box scraper and drive forward to move material.
2. Adjust the depth of the blade by tilting the unit with the tractor top link.

**NOTE:** Shortening the top link when scraping will transfer more weight on the front of the scraper and will raise the cutting blade to provide a more shallow cut.

**NOTE:** When the top link is adjusted properly, the bowl of the blade should fill easily and material can be pulled to a desired location.

## **LEVELING**

1. Raise or remove scarifier shanks.
2. Shorten the top link so the cutting edge clears the ground.
3. Drive forward with the box scraper in this position and loose material will be leveled.

## **STORAGE**

- **To help prevent injury caused by a falling implement, always detach on a hard level surface.**
- **Block equipment securely for storage (see Figure 4).**
- **Do not climb or lean on equipment stored on stand.**

# OWNER SERVICE

The information in this section is written for operators who possess basic mechanical skills. If you need help, your dealer has trained service technicians available. For your protection, read and follow the safety information in this manual.

## WARNING

- **NEVER GO UNDERNEATH EQUIPMENT.** Never place any part of the body underneath equipment or between moveable parts even when the engine has been turned off. Hydraulic system leak-down, hydraulic system failures, mechanical failures, or movement of control levers can cause equipment to drop or rotate unexpectedly and cause severe injury or death.
  - Service work does not require going underneath implement.
  - Read Operator's Manual for service instructions or have service performed by a qualified dealer.
- Keep all persons away from operator control area while performing adjustments, service, or maintenance.
- Before performing any service or maintenance, lower equipment to ground or block securely, turn off engine, remove key, and disconnect driveline from tractor PTO.

## CAUTION

- Always wear relatively tight and belted clothing to avoid getting caught in moving parts. Wear sturdy, rough-soled work shoes and protective equipment for eyes, hair, hands, hearing, and head; and respirator or filter mask where appropriate.

## BLOCKING UP BOX SCRAPER

**NOTE:** To service the box scraper when attached to the tractor, it must be blocked up off the ground.

1. Place two 4" x 4" (10 x 10 cm) blocks under each side frame of the box scraper as shown in Figure 4.
2. Lower the box scraper to rest securely on the blocks.

**NOTE:** Do not block the machine any higher than needed for removing the shanks or cutting edge.

## REPLACING CUTTING EDGE

To service the box scraper when attached to the tractor, it must be blocked up off the ground.

1. Place two 4" x 4" (10 x 10 cm) blocks under each side-frame of the box scraper (see Figure 4).
2. Lower the box scraper to rest securely on the blocks.

**NOTE:** Do not block the machine any higher than necessary to remove the shanks or cutting edge.

3. Refer to parts drawing, page 17. Remove nuts (24) and plow bolts (25) from blade. Turn cutting edge over and use new edge, or replace it if both edges have been used.
4. Attach cutting edge to box scraper and secure with plow bolts and hex nuts previously removed.
5. Torque plow bolts to 170 lbs-ft (N-m 230).

## REMOVING SCARIFIER SHANKS

Scarifier shanks have three operating positions in the scraper. They may be removed if scarifying action is not needed.

1. Block up machine by placing two 4" x 4" (10 x 10 cm) blocks under each side-frame of the box scraper (see Figure 4).
2. Lower the box scraper to rest securely on the blocks.

**NOTE:** Do not block the machine any higher than necessary to remove the shanks or cutting edge.
3. Remove safety pin (20) and lock pin (3). Adjust scarifier (2) to desired position (see Figure 5).
4. Replace safety and lock pins.

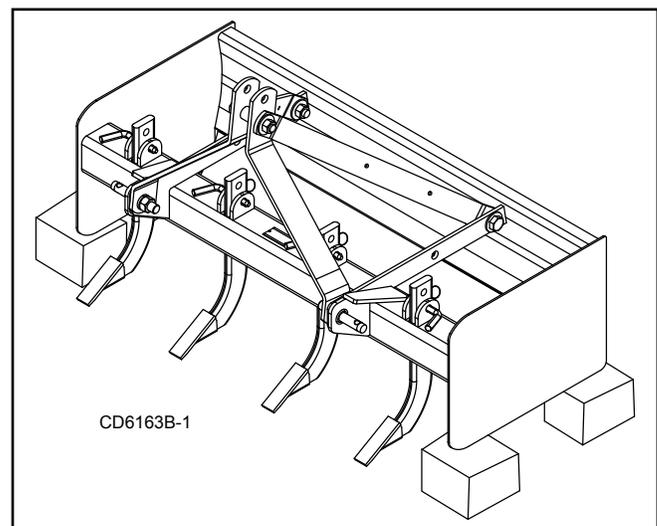
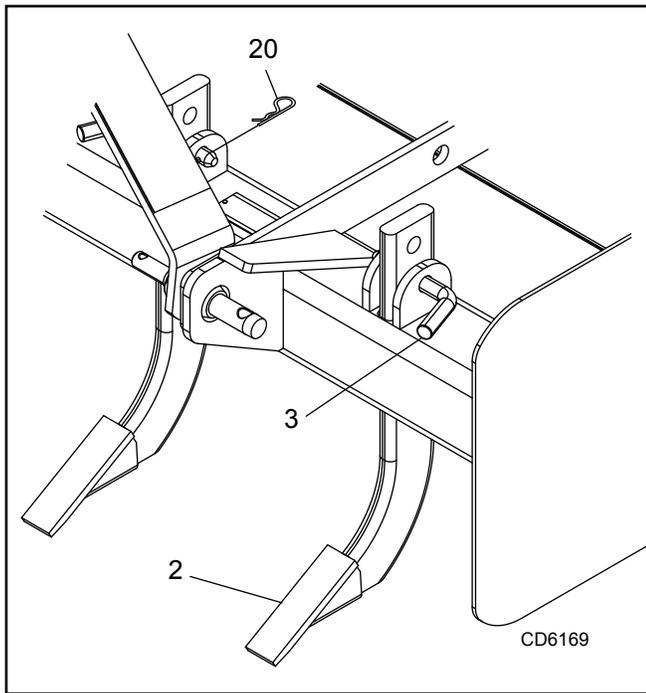


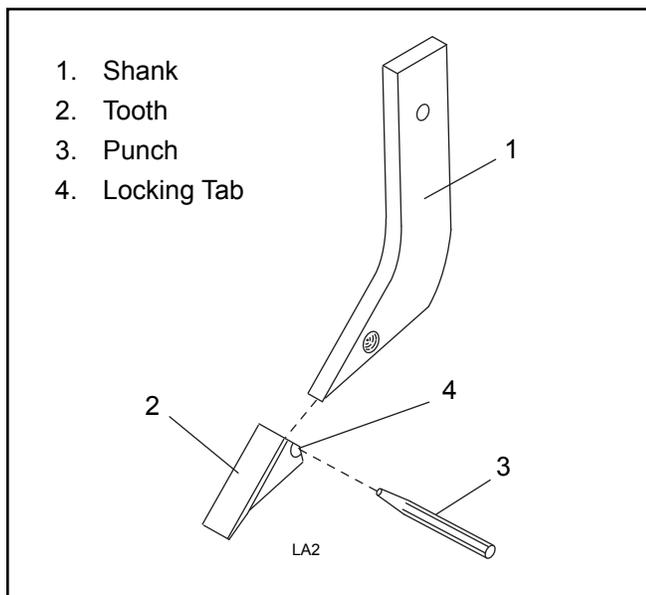
Figure 4. Box Scraper Blocked Up



**Figure 5.** Scarifier Shanks Installed

## **REPLACING SCARIFIER TOOTH**

1. Remove scarifier shank (1) from the scarifier bar.
2. Remove the worn tooth by driving a chisel between the shank (1) and tooth (2).
3. Install replacement tooth and use a punch (3) to bend the locking tab (4) into the retaining hole on both sides of the shank (see Figure 6).
4. Reinstall the shank (1) in the scarifier bar.



**Figure 6.** Scarifier Point Replacement

## **CLEANING**

### **After Each Use**

- Remove large debris such as clumps of dirt, grass, crop residue, etc. from machine.
- Inspect machine and replace worn or damaged parts.
- Replace any safety decals that are missing or not readable.

### **Periodically or Before Extended Storage**

- Clean large debris such as clumps of dirt, grass, crop residue, etc. from machine.
- Remove the remainder using a low-pressure water spray.
  1. Be careful when spraying near scratched or torn safety decals or near edges of decals as water spray can peel decal off surface.
  2. Be careful when spraying near chipped or scratched paint as water spray can lift paint.
  3. If a pressure washer is used, follow the advice of the pressure washer manufacturer.
- Inspect machine and replace worn or damaged parts.
- Sand down scratches and the edges of areas missing paint and coat with Woods spray paint of matching color (purchase from your Woods dealer).
- Replace any safety decals that are missing or not readable (supplied free by your Woods dealer). See Safety Decals section for location drawing.

# ASSEMBLY

## DEALER SET-UP INSTRUCTIONS

Assembly of this Box Scraper is the responsibility of the WOODS dealer. It should be delivered to the owner completely assembled, lubricated and adjusted for normal conditions.

The Box Scraper is shipped partially assembled. Assembly will be easier if components are aligned and loosely assembled before tightening hardware. Recommended torque values for hardware are located on page 20.

### WARNING

- Before dismantling power unit or performing any service or maintenance, follow these steps: disengage power to equipment, lower the 3-point hitch and all raised components to the ground, operate valve levers to release any hydraulic pressure, set parking brake, stop engine, remove key, and unfasten seat belt.
- NEVER GO UNDERNEATH EQUIPMENT. Never place any part of the body underneath equipment or between moveable parts even when the engine has been turned off. Hydraulic system leak-down, hydraulic system failures, mechanical failures, or movement of control levers can cause equipment to drop or rotate unexpectedly and cause severe injury or death.
  - Service work does not require going underneath implement.
  - Read Operator's Manual for service instructions or have service performed by a qualified dealer.
- Keep all persons away from operator control area while performing adjustments, service, or maintenance.

### CAUTION

- Always wear relatively tight and belted clothing to avoid getting caught in moving parts. Wear sturdy, rough-soled work shoes and protective equipment for eyes, hair, hands, hearing, and head; and respirator or filter mask where appropriate.

## REMOVE COMPONENTS

1. Remove banding that holds box scraper to pallet.
2. Remove lag bolts securing A-frame support bars (8) to the pallet.
3. Remove cap screws (28), lock washers (27), and hex nuts (26) that secure A-frame bars (6) to the rear of scraper frame.
4. Remove hex nuts (31) and lock washers (30) from mounting pins.

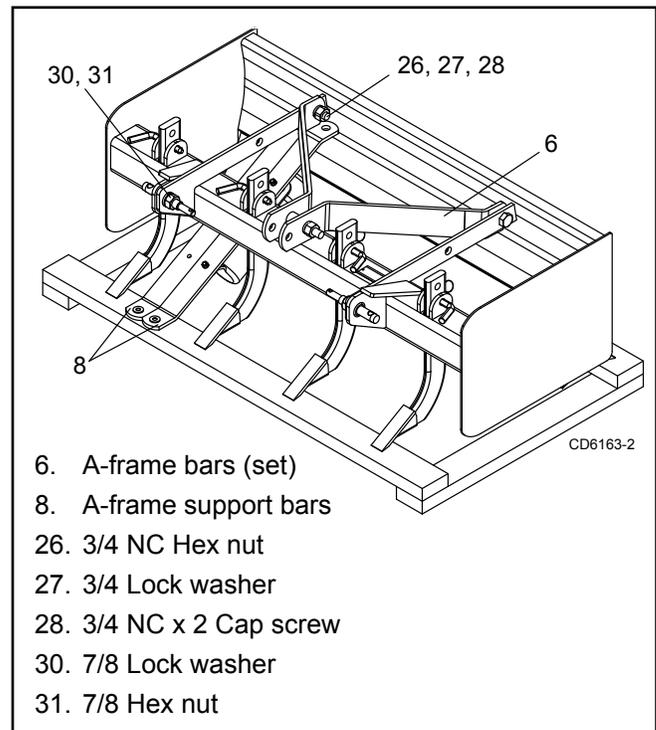


Figure 7. Shipping Configuration

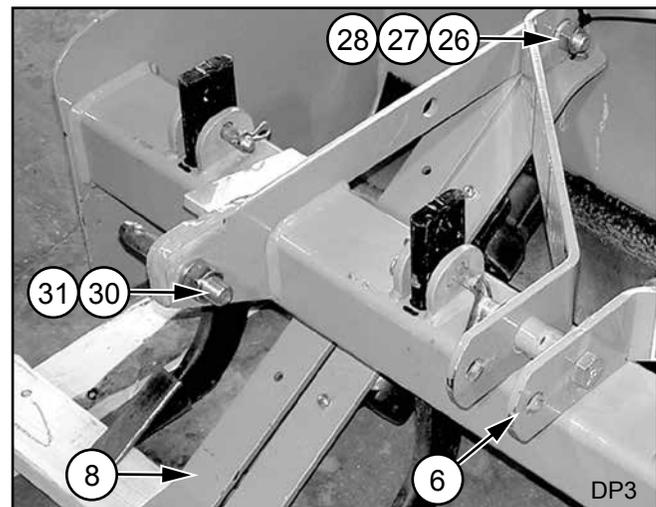
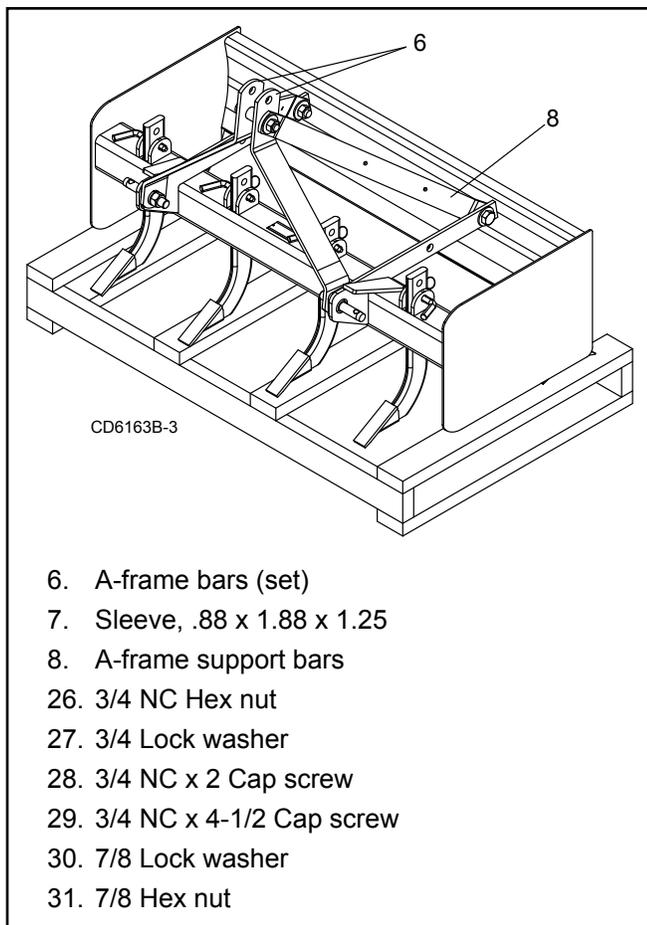


Figure 8. Remove Components

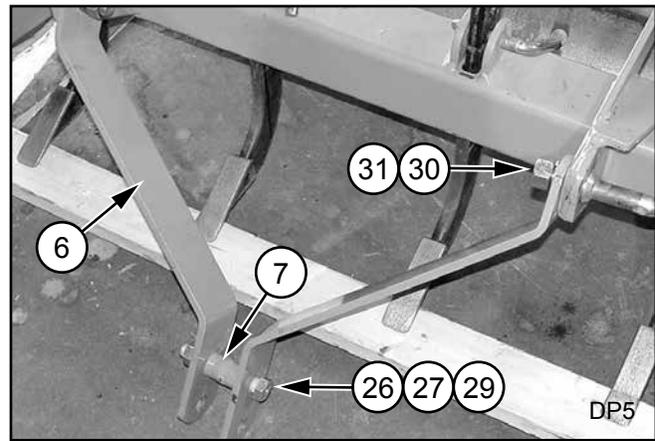
## ASSEMBLE BOX SCRAPER

1. Place A-frame bars (6) over mounting pins on the inside of scraper frame.
2. Secure with lock washers (30) and hex nuts (31) previously removed from mounting pins.
3. Attach A-frame support bars (8) to the scraper frame and secure with cap screws (28), lock washers (27), and hex nuts (26) previously removed.
4. Remove cap screw (29), sleeve (7), lock washer (27), and hex nut (26) that secure the A-frame bars together.
5. Align A-frame support bars with the lower hole on A-frame bars and secure with cap screw, sleeve, lock washer, and hex nut previously removed.

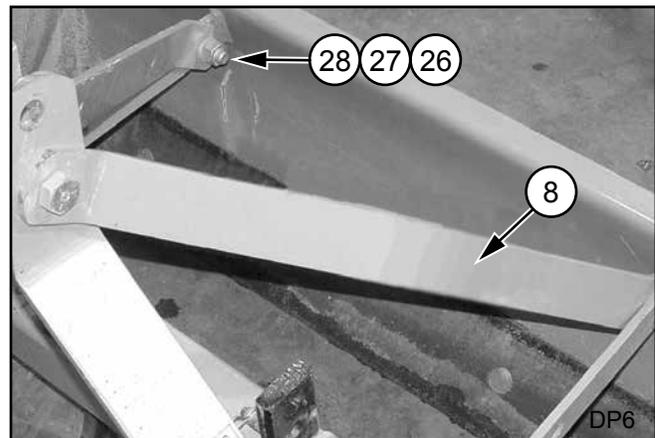
**NOTE:** A-frame support bars must be on the outside of the A-frame bars as show in Figure 11.



**Figure 9.** Box Scraper Assembly

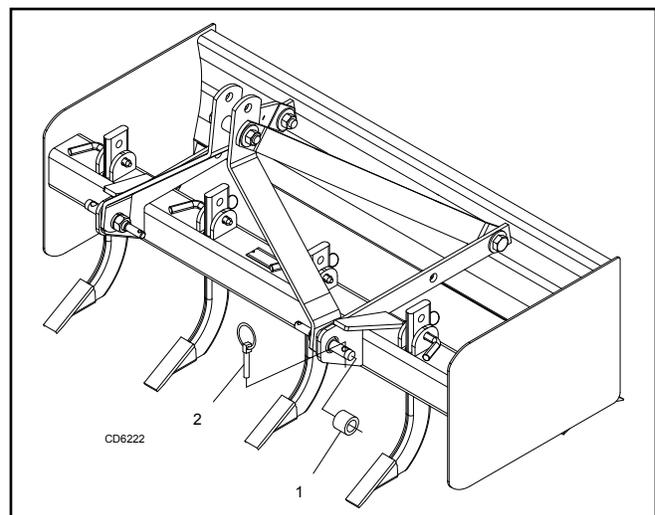


**Figure 10.** A-frame Bars Assembled



**Figure 11.** A-frame Support Bars Assembled to A-frame Bars

## OPTIONAL QUICK HITCH PIN KIT 1004653



**Figure 12.** Optional Quick Hitch Pin Kit

Install sleeve (1) over lower 3-point pin and secure with klik pin (2).

# DEALER CHECKLISTS

## DEALER PRE-DELIVERY CHECKLIST (DEALER'S RESPONSIBILITY)

Inspect the equipment thoroughly after assembly to be certain it is set up properly before delivering it to the customer. The following check list is a reminder of points to inspect. Check off each item if it is found satisfactory or after proper adjustment is made.

- \_\_\_\_\_ Check that all safety decals are installed and in good condition. Replace if damaged.
- \_\_\_\_\_ Properly attach implement to tractor and make all necessary adjustments.
- \_\_\_\_\_ Check all bolts to be sure they are properly torqued.
- \_\_\_\_\_ Check that all cotter pins and safety pins are properly installed. Replace if damaged.

## DEALER DELIVERY CHECKLIST (DEALER'S RESPONSIBILITY)

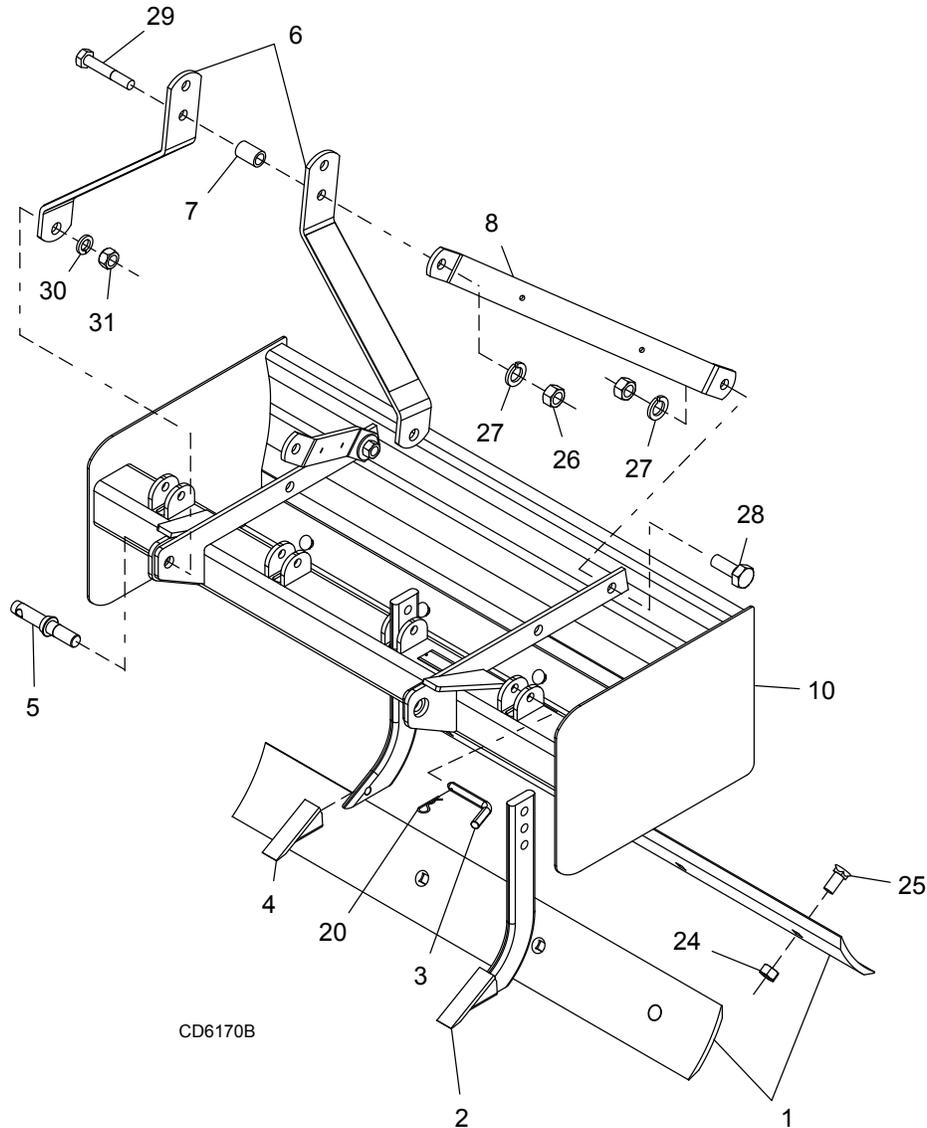
- \_\_\_\_\_ Show customer the safe, proper procedures to be used when mounting, dismounting, and storing equipment.
- \_\_\_\_\_ For mounted units, add wheel weights, ballast in front tires, and/or front tractor weight to enhance front end stability. A minimum 20% of tractor and equipment gross weight must be on front tractor wheels. When adding weight to attain 20% of tractor and equipment weight on front tractor wheels, you must not exceed the ROPS weight certification. Weigh the tractor and equipment. Do not estimate!
- \_\_\_\_\_ Show customer how to make adjustments.
- \_\_\_\_\_ Present Operator's Manual and request that customer and all operators read it before operating equipment. Point out the manual safety rules, explain their meanings and emphasize the increased safety hazards that exist when safety rules are not followed.
- \_\_\_\_\_ Point out the safety decals. Explain their meaning and the need to keep them in place and in good condition. Emphasize the increased safety hazards when instructions are not followed.
- \_\_\_\_\_ Explain to customer the potential crushing hazards of going underneath raised equipment. Instruct customer that service work does not require going underneath unit and never to do so.
- \_\_\_\_\_ Make customer aware of optional equipment available so that customer can make proper choices as required.

# NOTES

**16** *Notes*

MAN0179  
(06/07/2023)

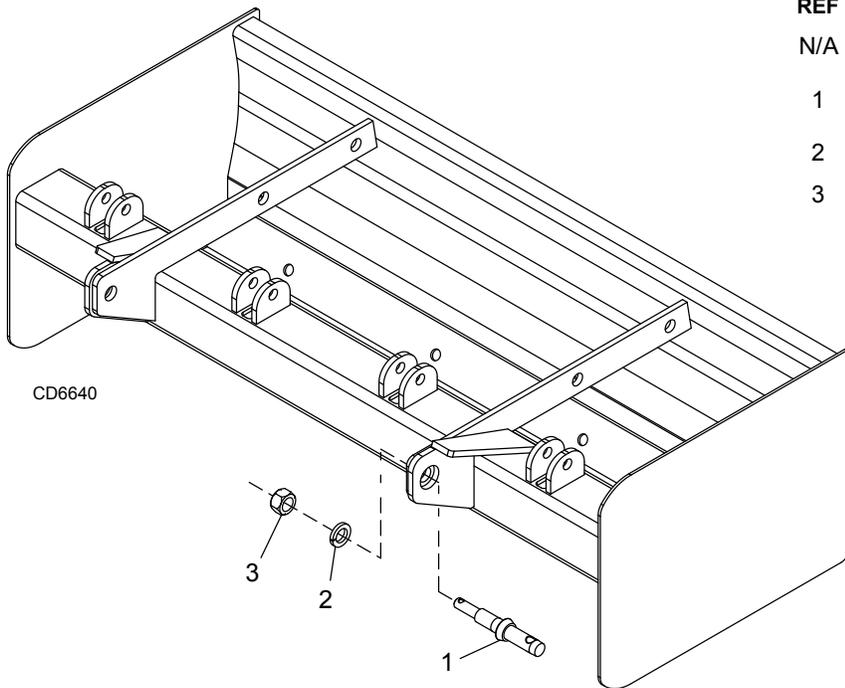
# GBC48 BOX SCRAPER



REF	PART	QTY	DESCRIPTION	REF	PART	QTY	DESCRIPTION
1	32295	2	Cutting edge, 1/2 x 6 x 47	26	1450	*3	3/4 NC Hex nut
2	1035770	4	Scarifier & tip assembly (includes item 4)	27	2522	*3	3/4 Lock washer
3	1005338	4	Bent pin, .62 x 3.0 w/clip	28	735	*2	3/4 NC x 2 Cap screw GR5
4	1035769	4	Scarifier tip	29	12558	*1	3/4 NC x 4-1/2 Cap screw GR5
5	33661	2	Hitch pin, Cat 1 w/ nut & lock washer	30	30008	*2	7/8 Lock washer
6	1004652	1	A-frame bars set (includes both bars & decals)	31	30007	*2	7/8 NF Hex nut
7	1003876	1	Sleeve, .88 x 1.88 x 1.25	NS	1004640	1	Decal, Model GBC48
8	1003872	2	A-frame support				* Standard Hardware, obtain locally
10	N/A	1	Scraper frame				NS Not Shown
20	2688	*4	Hair pin cotter, 5/32				N/A Not Available
24	230	*8	5/8 NC Hex nut				
25	25265	*8	5/8 NC x 1-1/2 Plow bolt				

**NOTE:** For safety decals, see page 7. Order decals separately.

## 1009298 HITCH PIN KIT (OPTIONAL)



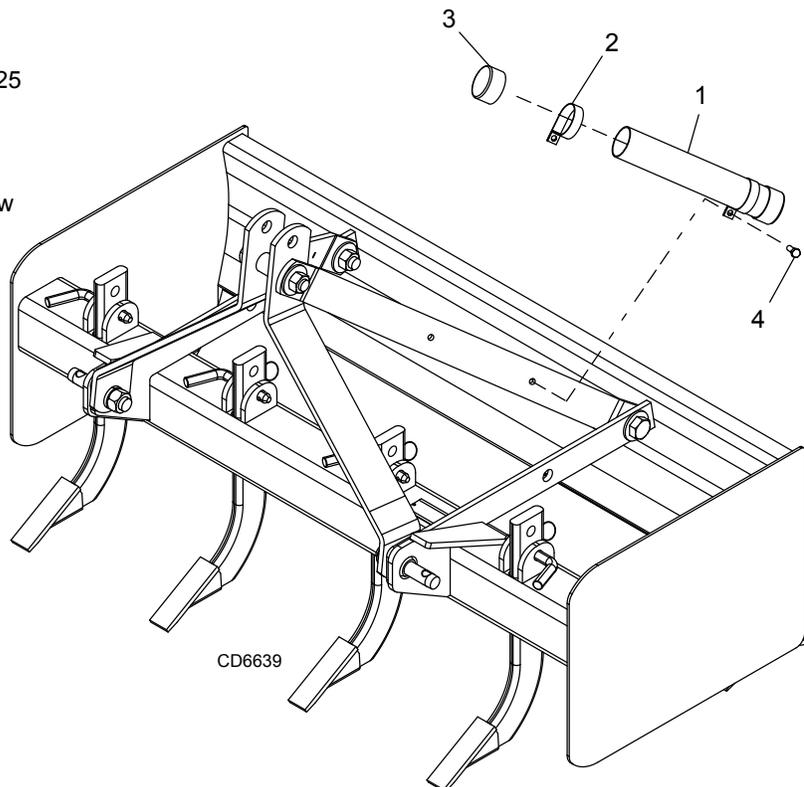
REF	PART	QTY	DESCRIPTION
N/A	1009298	1	Kit, Cat 0/1 hitch pin
1	1004626	2	Hitch pin Cat 0/1 (includes items 2 & 3)
2	30008	*2	7/8 Lock washer
3	30007	*2	7/8 Hex nut NF

\* Standard Hardware, obtain locally  
N/A Not Available

## 1009297 MANUAL TUBE KIT (OPTIONAL)

REF	PART	QTY	DESCRIPTION
1	1004656	1	Manual tube PVC 2.0 x 11.25
2	1004695	2	Clamp 1.94 diameter pipe
3	1004657	2	Caplug 2.00 ID x 1.00
4	30036	*2	5/16 NC x 3/4 Self tap screw

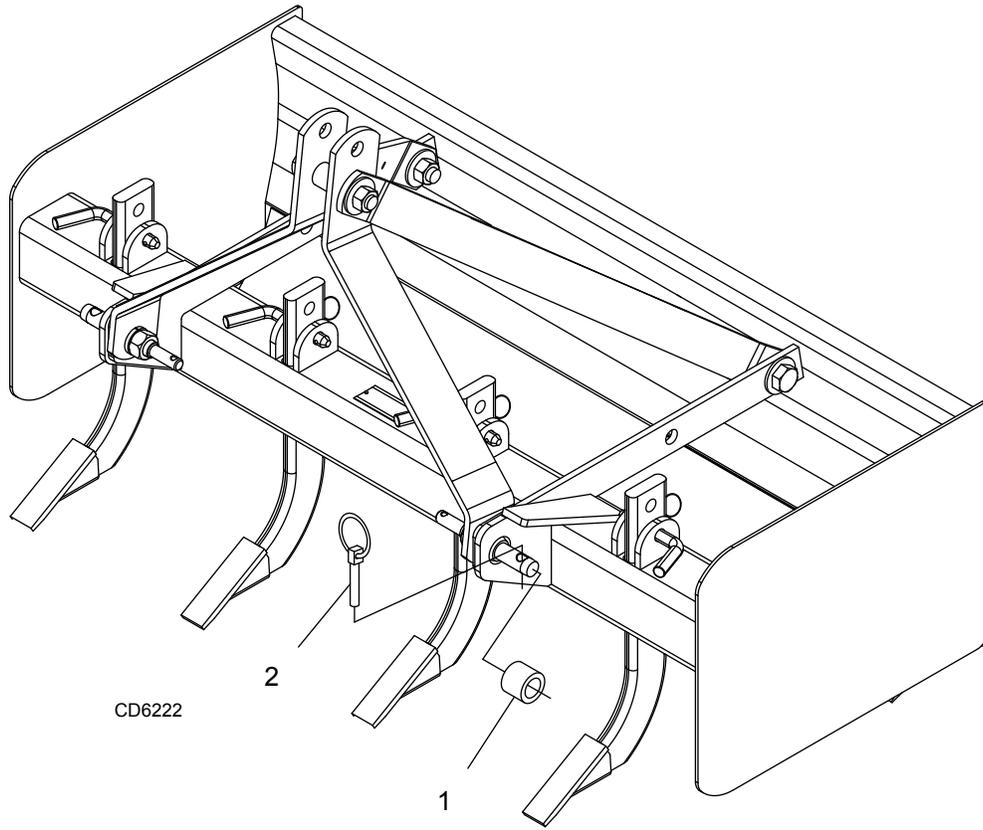
\* Standard Hardware, obtain locally



**18 Parts**

MAN0179  
(06/07/2023)

## 1004653 QUICK HITCH BUSHING KIT (OPTIONAL)



REF	PART	QTY	DESCRIPTION
1	1004660	2	Sleeve .938 x 1.438 x 1.19
2	27542	*2	7/16 x 11/32 Klik pin

\* Standard Hardware,  
obtain locally

# BOLT TORQUE CHART

Always tighten hardware to these values unless a different torque value or tightening procedure is listed for a specific application.

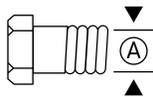
Fasteners must always be replaced with the same grade as specified in the manual parts list.

Always use the proper tool for tightening hardware: SAE for SAE hardware and Metric for metric hardware. Make sure fastener threads are clean and you start thread engagement properly.

All torque values are given to specifications used on hardware defined by SAE J1701 MAR 99 & J1701M JUL 96.

## SAE SERIES TORQUE CHART

SAE Bolt Head Identification



SAE Grade 2  
(No Dashes)



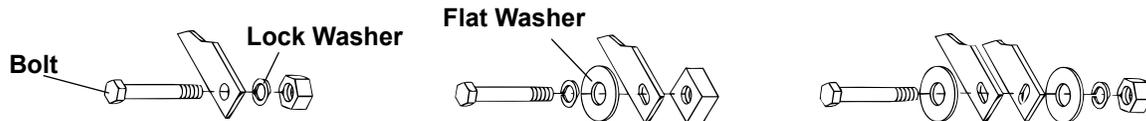
SAE Grade 5  
(3 Radial Dashes)



SAE Grade 8  
(6 Radial Dashes)

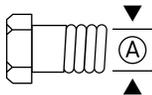
Ⓐ	Wrench Size	Marking on Head					
		SAE 2		SAE 5		SAE 8	
		lbs-ft	N-m	lbs-ft	N-m	lbs-ft	N-m
1/4"	7/16"	6	8	10	13	14	18
5/16"	1/2"	12	17	19	26	27	37
3/8"	9/16"	23	31	35	47	49	67
7/16"	5/8"	36	48	55	75	78	106
1/2"	3/4"	55	75	85	115	120	163
9/16"	13/16"	78	106	121	164	171	232
5/8"	15/16"	110	149	170	230	240	325
3/4"	1-1/8"	192	261	297	403	420	569
7/8"	1-5/16"	306	416	474	642	669	907
1"	1-1/2"	467	634	722	979	1020	1383

## TYPICAL WASHER INSTALLATIONS



## METRIC SERIES TORQUE CHART

Metric Bolt Head Identification



Metric  
Grade 8.8



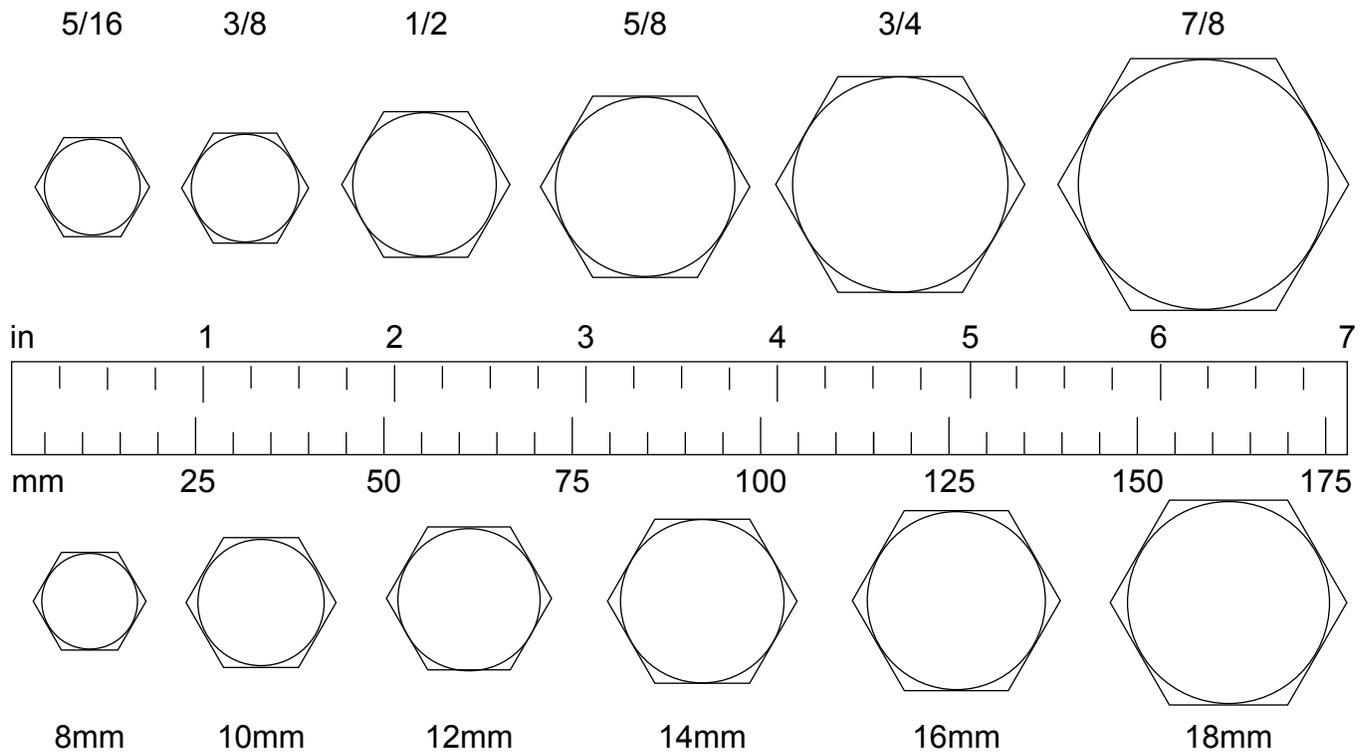
Metric  
Grade 10.9

Ⓐ	Wrench Size	Marking on Head								Ⓐ
		Coarse Thread				Fine Thread				
		Metric 8.8		Metric 10.9		Metric 8.8		Metric 10.9		
Diameter & Thread Pitch (Millimeters)		N-m	lbs-ft	N-m	lbs-ft	N-m	lbs-ft	N-m	lbs-ft	Diameter & Thread Pitch (Millimeters)
6 x 1.0	10 mm	8	6	11	8	8	6	11	8	6 x 1.0
8 x 1.25	13 mm	20	15	27	20	21	16	29	22	8 x 1.0
10 x 1.5	16 mm	39	29	54	40	41	30	57	42	10 x 1.25
12 x 1.75	18 mm	68	50	94	70	75	55	103	76	12 x 1.25
14 x 2.0	21 mm	109	80	151	111	118	87	163	120	14 x 1.5
16 x 2.0	24 mm	169	125	234	173	181	133	250	184	16 x 1.5
18 x 2.5	27 mm	234	172	323	239	263	194	363	268	18 x 1.5
20 x 2.5	30 mm	330	244	457	337	367	270	507	374	20 x 1.5
22 x 2.5	34 mm	451	332	623	460	495	365	684	505	22 x 1.5
24 x 3.0	36 mm	571	421	790	583	623	459	861	635	24 x 2.0
30 x 3.0	46 mm	1175	867	1626	1199	1258	928	1740	1283	30 x 2.0

# BOLT SIZE CHART

**NOTICE:** Chart shows bolt thread sizes and corresponding head (wrench) sizes for standard SAE and metric bolts.

## SAE BOLT THREAD SIZES



## METRIC BOLT THREAD SIZES

## ABBREVIATIONS

AG . . . . . Agriculture	HT . . . . . Heat-Treated	ORBM . . . . . O-Ring Boss - Male
ASABE . . . . . American Society of Agricultural & Biological Engineers (formerly ASAE)	JIC . . . . . Joint Industry Council 37° Degree Flare	P . . . . . Pitch
ASAE . . . . . American Society of Agricultural Engineers	LH . . . . . Left Hand	PBY . . . . . Power-Beyond
ATF . . . . . Automatic Transmission Fluid	LT . . . . . Left	psi . . . . . Pounds per Square Inch
BSPP . . . . . British Standard Pipe Parallel	m . . . . . Meter	PTO . . . . . Power Take Off
BSPTM . . . . . British Standard Pipe Tapered Male	mm . . . . . Millimeter	QD . . . . . Quick Disconnect
CV . . . . . Constant Velocity	M . . . . . Male	RH . . . . . Right Hand
CCW . . . . . Counter-Clockwise	MPa . . . . . Mega Pascal	ROPS . . . . . Roll-Over Protective Structure
CW . . . . . Clockwise	N . . . . . Newton	RPM . . . . . Revolutions Per Minute
F . . . . . Female	NC . . . . . National Coarse	RT . . . . . Right
FT . . . . . Full Thread	NF . . . . . National Fine	SAE . . . . . Society of Automotive Engineers
GA . . . . . Gauge	NPSM . . . . . National Pipe Straight Mechanical	UNC . . . . . Unified Coarse
GR (5, etc.) . . . . . Grade (5, etc.)	NPT . . . . . National Pipe Tapered	UNF . . . . . Unified Fine
HHCS . . . . . Hex Head Cap Screw	NPT SWF . . . . . National Pipe Tapered Swivel Female	UNS . . . . . Unified Special

**PART NO.**  
**MAN0179**

**WOODS®**

2606 South Illinois Route 2  
Post Office Box 1000  
Oregon, Illinois 61061 USA

800-319-6637 tel  
800-399-6637 fax  
woodsequipment.com



© 2023 Woods Equipment Company. All rights reserved. Woods® and the Woods logo are trademarks of Woods Equipment Company. All other trademarks, trade names, or service marks not owned by Woods Equipment Company that appear in this manual are the property of their respective companies or mark holders. Specifications subject to change without notice.