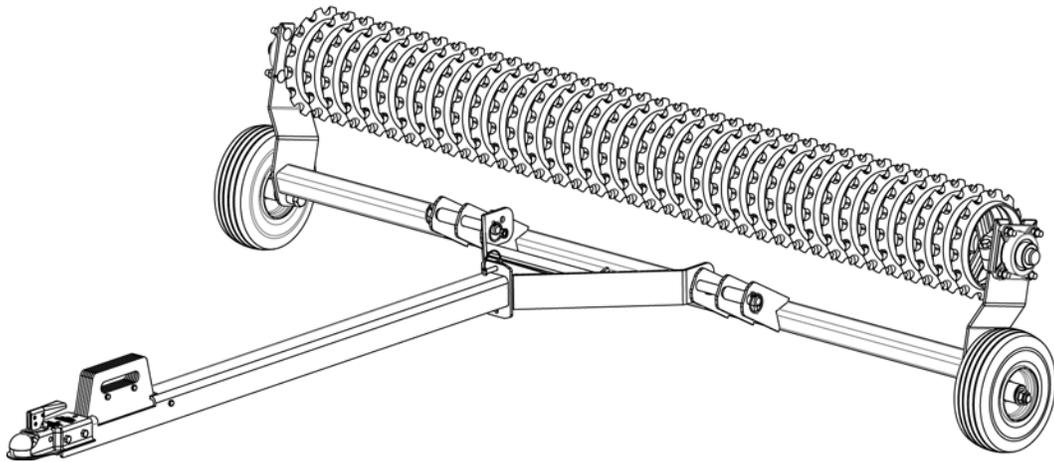
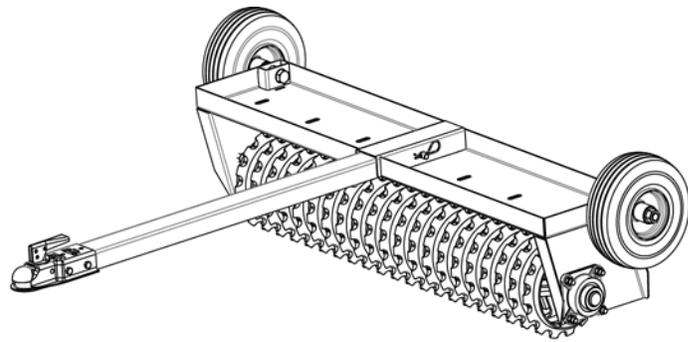


# WOODS CULTIPACKER

C48T  
C72  
C84



MAN1129

(4/4/2015)

**WOODS®**

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 Check Lists in the Operator's Manual are completed before releasing equipment to the owner.

**The dealer must complete the online Product Registration form at the Woods Dealer Website** which certifies that all Dealer Check List items have been completed. Dealers can register all Woods product at dealer.WoodsEquipment.com under Product Registration.

**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 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.

**WOODS**<sup>®</sup>  
Woods Equipment Company

**ALITEC**<sup>™</sup>  
**BMP**<sup>®</sup>  
**CENTRAL FABRICATORS**<sup>®</sup>  
**GANNON**<sup>®</sup>  
**GILL**<sup>®</sup>  
**WAIN-ROY**<sup>®</sup>  
**WOODS**<sup>®</sup>

## 2 Introduction

Gen'l (Rev. 12/5/2011)

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**¡LEA EL INSTRUCTIVO!**

Si no lee Ingles, pida ayuda a alguien que si lo lea para que le traduzca las medidas de seguridad.



**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.**

## GENERAL INFORMATION

The purpose of this manual is to assist you in operating and maintaining your Cultipacker. 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.

# SPECIFICATIONS

<b>Specification</b>	<b>C48T</b>	<b>C72</b>	<b>C84</b>
Working width	48"	73"	84"
Overall width	66.3"	82"	94"
Height	17.75"	17.25"	17.25"
Depth, front to back	58"	15.75"	15.75"
Weight	286 lbs	394 lbs	437 lbs
Weight with scraper	n/a	410 lbs	455 lbs
Cultipacker diameter	9.5" OD	9.5" OD	9.5" OD
No. of Cultipackers	21	32	37
Cultipacker material	Gray cast iron	Gray cast iron	Gray cast iron
Cultipacker shaft diameter	1.75"	1.75"	1.75"
Bearings	1.375" Dia	1.375" Dia	1.375" Dia
Tractor hitch	n/a	CAT 1 & 2	CAT 1 & 2
ATV Power Requirement	250 cc min.	n/a	n/a
Tractor horsepower requirement	n/a	65 HP maximum	80 HP maximum
Scrapers	No	Optional	Optional



# 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 instructed in and be 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**

■ Check that all hardware is properly installed. Always tighten to torque chart specifications unless instructed otherwise in this manual.

■ 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; and respirator or filter mask where appropriate.

■ Make sure attachment is properly secured, adjusted, and in good operating condition.

■ For mounted or tractor towed units, 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.

■ Make sure all safety decals are installed. Replace if damaged. (See Safety Decals section for location.)

■ A minimum 20% of tractor and equipment weight must be on the tractor front wheels when attachments are in transport position. Without this weight, front tractor wheels could raise up resulting in loss of steering. The weight may be attained with front wheel weights, ballast in tires or front tractor weights. Weigh the tractor and equipment. Do not estimate.

## **OPERATION**

■ Do not operate or transport equipment while under the influence of alcohol or drugs.

■ 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.

■ For mounted or tractor towed units, 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.

■ 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.



# SAFETY RULES

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



- 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.

## TRANSPORTATION

- For mounted or tractor towed units, 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.
- Always sit in power unit seat when operating controls or starting engine. Securely fasten seat belt (on ROPS equipped units), place transmission in neutral, engage brake, and ensure all other controls are disengaged before starting power unit engine.
- For mounted or tractor towed units, a minimum 20% of tractor and equipment weight must be on the tractor front wheels when attachments are in transport position. Without this weight, front tractor wheels could raise up resulting in loss of steering. The weight may be attained with front wheel weights, ballast in tires or front tractor weights. Weigh the tractor and equipment. Do not estimate.
- Always comply with all state and local lighting and marking requirements.
- Never allow riders on power unit or attachment.
- Do not operate or transport on steep slopes.
- Do not operate or transport equipment while under the influence of alcohol or drugs.

## MAINTENANCE

- 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.

- 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.

- Before dismounting power unit 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.

- Do not modify or alter or permit anyone else to modify or alter the equipment or any of its components in any way.

- 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.

- Make sure all safety decals are installed. Replace if damaged. (See Safety Decals section for location.)

## STORAGE

- Block equipment securely for storage.
- Keep children and bystanders away from storage area.

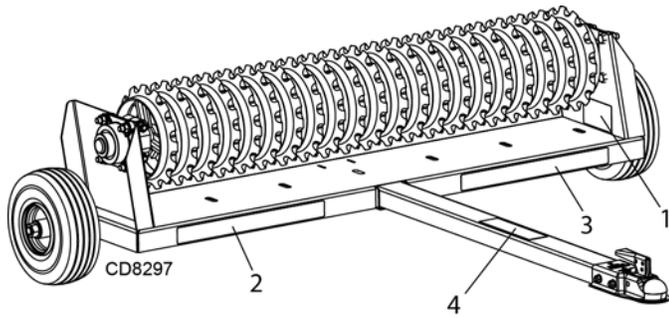
# SAFETY & INSTRUCTIONAL DECALS



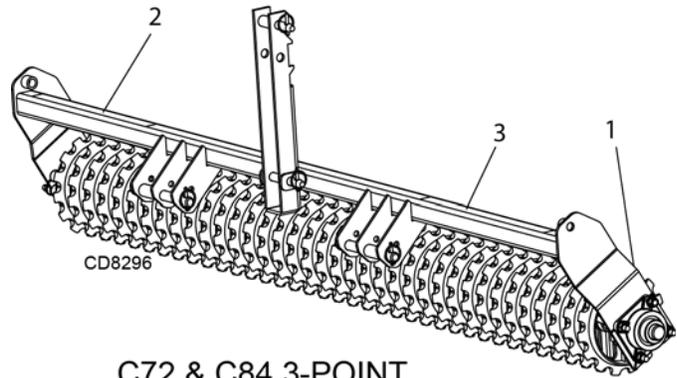
ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!



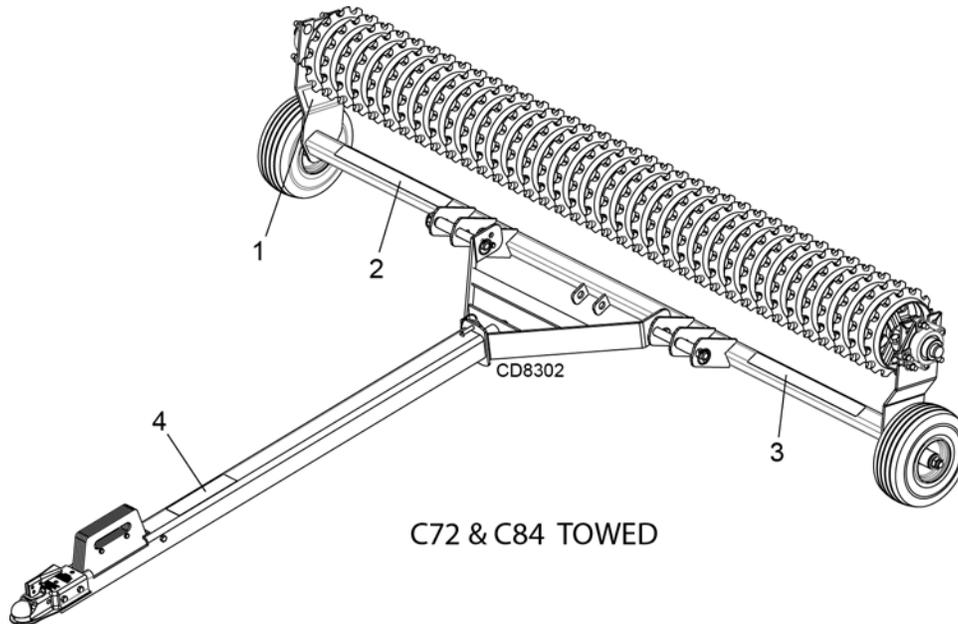
Replace Immediately If Damaged!



C48



C72 & C84 3-POINT



C72 & C84 TOWED

## 1 - SERIAL NUMBER PLATE





# SAFETY & INSTRUCTIONAL DECALS

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

### Replace Immediately If Damaged!



2 - 1040792

**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.**

1040792

3 - 1040793

**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.**

1040793

4 - 1040794

**WARNING**



**NEGATIVE TONGUE WEIGHT HAZARD**

Negative tongue weight may cause immediate elevation of tongue.

To prevent serious injury or death:

- Keep pressure on hitch when hitching/unhitching implement.
- Store unit with cultipackers touching ground.

1040794

## BE CAREFUL!

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.

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.

# OPERATION

The operator is responsible for the safe operation of this Cultipacker. 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 pages 5 through 8.

## WARNING

- For mounted or tractor towed units, 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.
- Never allow children or untrained persons to operate equipment.
- Keep bystanders away from equipment.
- Keep hands, feet, hair, and clothing away from equipment while engine is running. Stay clear of all moving parts.

## CAUTION

- 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.

## PRE-OPERATION CHECK LIST

(OWNER'S RESPONSIBILITY)

- \_\_\_ Review and follow all safety rules and safety decal instructions on pages 5 through 8.
- \_\_\_ Check that equipment is properly and securely attached to tractor.
- \_\_\_ Check that all safety decals are installed and in good condition. Replace if damaged.
- \_\_\_ Do not allow riders.
- \_\_\_ Check that all hardware is properly installed and secured.
- \_\_\_ Check all lubrication points and grease as instructed in Lubrication Information, page 13.
- \_\_\_ For mounted or tractor towed units, make sure tractor ROPS or ROPS CAB and seat belt are in good condition. Keep seat belt securely fastened during operation.

## GENERAL INFORMATION

### Operation

The Cultipacker is designed for rolling on the ground at speeds of 3 to 5 mph. Slow down when making turns or traveling over rough terrain and hills. Allow room to make wide turns or lift cultipacker out of ground when making sharp turns.

The Cultipacker is an excellent tool for breaking up small clumps of dirt, smoothing rough surfaces, and preparing seed beds. The cast iron cultipacker weight provides down pressure needed to increase seed to soil contact, reduce air pockets, and create uniform mini-furrows that hold water and fertilizer in place. Using a cultipacker after seeding will increase germination rates and retain soil and water to prevent erosion and increase crop production. Cultipackers can be used in landscaping, primary seeding, overseeding, and food plot applications.

### 3-Point Operation

Pick cultipacker up at end of the field before turning around or making sharp turns.

### Towed Operation

Avoid sharp turns with the prime mover tire making contact with the cultipacker tongue.

Make sure prime mover has enough weight to handle implement going up and down hills.

Cross ditches with cultipacker shaft parallel to the direction of the ditch.

Do not operate cultipacker in reverse mode to prevent damage to frame and scraper.

## ATTACHING CULTIPACKER TO PRIME MOVER

1. Place the cultipacker on a level, dry area, positioned behind the Prime Mover.
2. Check that the tongue channel's open end is down. If the tongue needs to be rotated, remove the bent pin with hitch pin clip (C48T), pull tongue out of the cultipacker frame receiver channel, rotate the tongue 180° and reinstall tongue into receiver channel with bent pin installed in tongue hole.
3. For C72 & C84 pull-type models, remove 3/8" wire lock clip, rotate tongue 180° and reinsert 3/8" wire lock clip.

4. Connect the cultipacker tongue to the Prime Mover ball hitch ensuring that the underjaw is clamping the ball.

 **WARNING**

- **Beware of negative hitch weight when unhooking the cultipacker while in the transport position. The hitch can suddenly swing upward.**

### **ATTACHING CULTIPACKER TO 3-POINT OF TRACTOR OR QUICK HITCH**

1. Place the cultipacker on a level, dry area, positioned behind the tractor with the park stand down. Connect the cultipacker lower hitch pins to tractor lower arms.
2. Secure mounting pins to lift arms with 7/16" x 1-3/4" lynch pins.
3. Remove the pin from the park stand and raise stand to 3-point top link position, reinserting pin and hair pin clip. See Figure 8.
4. Connect the tractor top link to the cultipacker upper mast.

**NOTE:** Initial adjustment of the top link must be made on a level surface.

5. Extend or retract top link so that 2" x 2" square tube's top surface is level to the ground.
6. Carefully operate the cultipacker through the tractor's full lift range, making sure cultipacker does not come in contact with any tractor component.
7. Adjust top link if necessary.

 **WARNING**

- **Be careful when lowering the pull type cultipacker to the ground. Make sure no one is under, behind, or near the unit when lowering. The cultipacker is very heavy and can crush someone. The hitch can also flip over suddenly and hit someone.**

### **UNHOOKING THE CULTIPACKER**

#### **3-Point Type**

1. Set cultipacker on a level, dry area and turn off tractor, engage park brake, and remove key.
2. Unhook top link of 3-point hitch.
3. Move top link of 3-point hitch to park stand position connecting frame with 3/4" x 4" clevis pin. See Figure 7.

4. Disconnect tractor lower hitch arms from cultipacker frame.

#### **Pull-Type**

1. Park cultipacker on level, dry area and turn off prime mover, engage park brake, and remove key.
2. Chock cultipacker to prevent rolling.
3. For C72 and C84 pull-type cultipackers, ensure the 3/8" wire lock pin is installed in the tongue pivot to prevent sudden twisting of the tongue.
4. Disconnect ball hitch from machine being mindful of a sudden positive or negative tongue weight when handling tongue.
5. See storage instructions for positions to store cultipacker.

### **TRANSPORT**

 **WARNING**

- **This cultipacker is NOT designed for public road usage. A safety chain, lighting, and proper reflector markings must be used when operating on public roads.**

1. The 3-point cultipacker should be lifted as high as possible to clear the ground when transporting.
2. The frame of the cultipacker in the transport mode is low to the ground. Be careful not to hit objects protruding from the ground with the cultipacker.
3. Leave enough clearance on both sides of the cultipacker when traveling straight and when making turns. Avoid contact with buildings, trees, and fences. Always reduce ground speed when turning.
4. Use a safe ground speed when transporting from one area to another. Do not travel over 10 mph with cultipacker in transport position.
5. Slow down when traveling over rough or hilly terrain.
6. Be aware of negative tongue weight on the pull type cultipacker when transporting. Negative tongue weight can cause loss of vehicle control. Add weight to rear of the vehicle if necessary.
7. Do not transport cultipacker on roads with cultipackers down. Damage to unit and/or road may occur.

## Changing Tongue Between Operation and Transport

1. Place the cultipacker on a level, dry area.
2. Raise tongue to a near vertical position keeping in mind the cultipacker may have negative tongue weight or a shift from positive to negative tongue weight depending on the cultipacker position. With tongue in a near vertical position ensure the cultipackers are resting on the ground.
3. Remove tongue lock pin and rotate tongue 180° about pivot.

### CAUTION

- Do not move cultipacker without 3/8 wire lock pin installed as tongue may pivot suddenly.
4. Install lock pin in designated hole to lock tongue.
  5. Walk around cultipacker, and then pull tongue to move to opposite position, being aware of a change in position or negative tongue weight.
  6. Do not leave C72/C84 pull-type cultipacker unattached to prime mover and in transport position. Attach cultipacker to tractor or place in storage position. Tongue or cultipacker could swing unexpectedly!

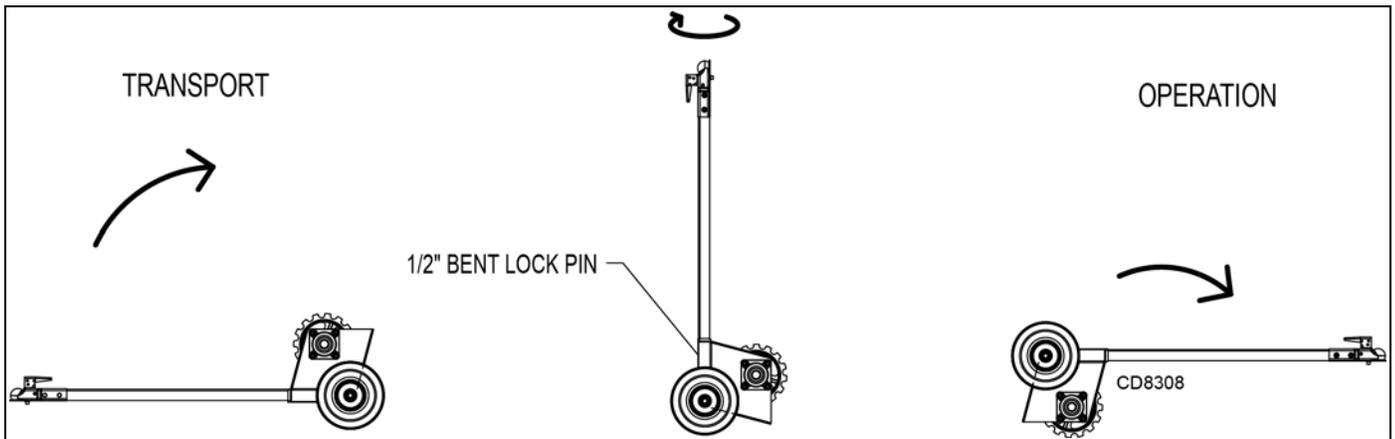


Figure 1. C48T Transport to Operation

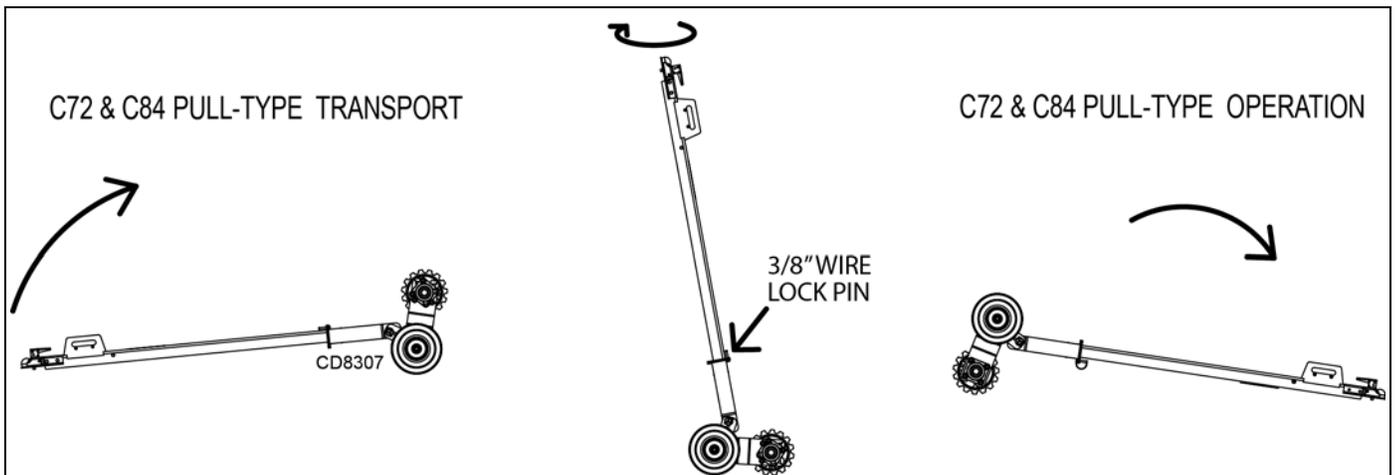
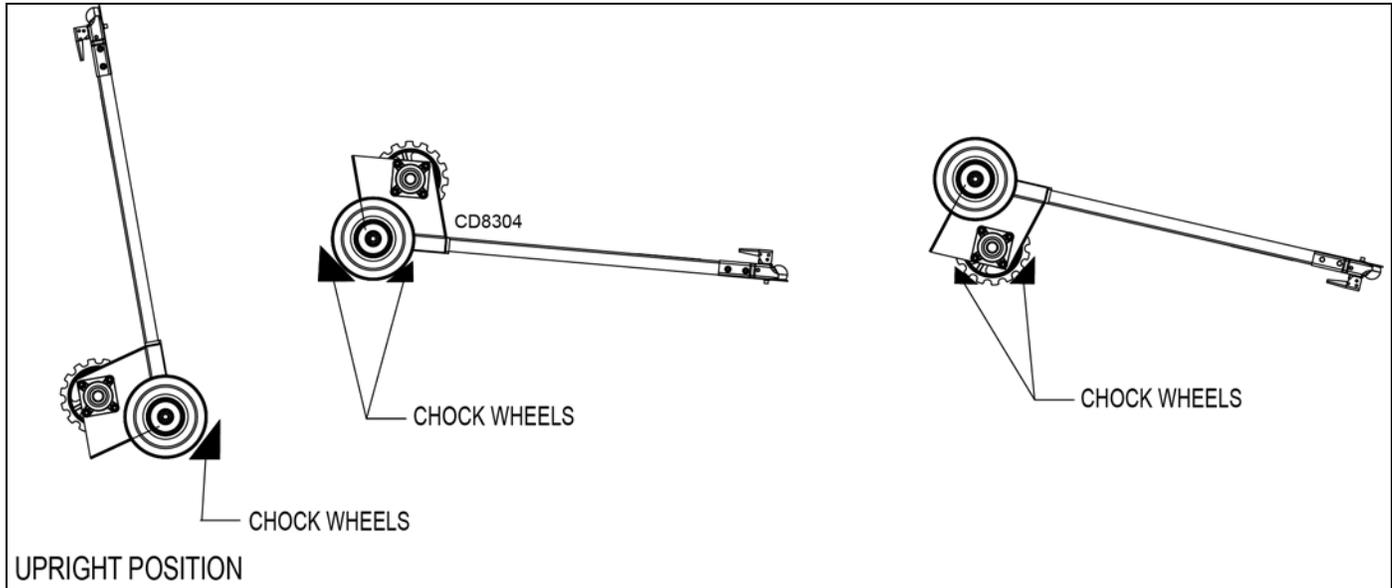


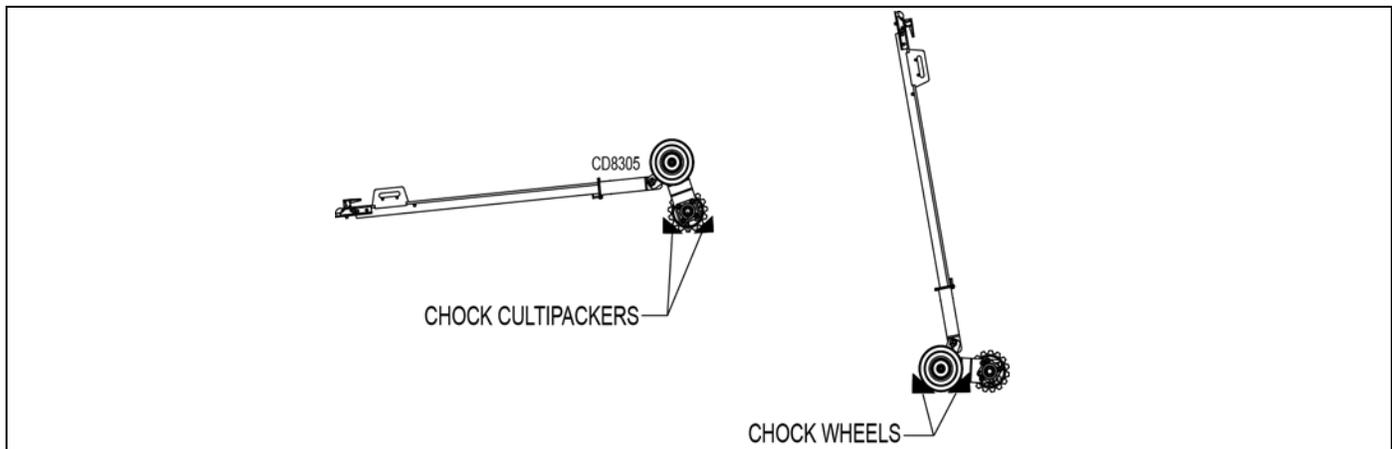
Figure 2. C72 & C84 Pull-Type Transport to Operation

## **STORAGE**

1. Clean off any dirt or grease that may have accumulated on cultipacker. Wash thoroughly with a garden hose.
2. Inspect for loose, damaged, or worn parts and adjust or replace as needed.
3. Lubricate as noted in the service section of this manual.
4. See diagrams for recommended storage positions.
5. Do not leave cultipacker (C72 & C84 pull-type models) unhooked in transport position as standing or sitting on cultipacker wheels could cause tongue to swing around unexpectedly!



**Figure 3.** C48T Storage Position



**Figure 4.** C72 & C84 Pull-Type Storage Positions with Tongue

# 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.
- 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.**

## 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.**

## CAUTION

■ **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.**

The cultipacker is designed to provide hours of maintenance free service. However, damage may occur to the cultipacker assembly from time to time or the cultipacker wheel assembly may become loose due to high wear conditions. Below are steps needed to tighten the cultipacker assembly or remove the shaft assembly for repair.

### TIGHTENING CULTIPACKER WHEEL ASSEMBLY

1. Place cultipacker on level, dry surface, with the cultipacker cast iron wheels on the ground and

chocked to prevent movement. Place cultipacker tongue or 3-point frame on ground to prevent sudden movement.

2. Loosen 1/2" flange nuts and bolts on cast iron end clamps.
3. Use a pry bar to tighten the wheels together.
4. Retighten the 1/2" flange nuts and bolts on the clamps.

### REMOVING CULTIPACKER SHAFT FROM FRAME

1. Place cultipacker on level, dry surface, with the cultipacker cast iron wheels on the ground and chocked to prevent movement. Place cultipacker tongue or 3-point frame on ground to prevent sudden movement when detaching frame from cultipacker shaft.
2. Loosen bearing set screws with 5/32" allen wrench. Place a punch in the eccentric locking collar punch hole and tap the collar loose in the opposite direction of shaft operation.
3. Remove 1/2" flange lock nuts and bolts from bearing assembly. Repair or replace cultipacker assembly as needed or refer to tightening cultipacker wheel assembly if applicable.
4. Match holes in cultipacker frame with holes in bearings and assemble with 1/2" bolts and flange lock nuts.
5. Lock eccentric bearing collars to cultipacker shaft by driving the collar in the direction of forward travel by placing a punch in the hole in the collar and driving it with a hammer. Secure collar to shaft with set screw.

### LUBRICATION INFORMATION

1. Triple-seal bearings are used on the cultipacker shaft, which operates down in the dirt. Lubrication of the bearings will vary considerably with conditions. As a rule, bearings should be under-lubricated rather than over-lubricated. Over-lubrication can cause seals to blow out. The bearings should be lubricated with 1 shot of grease every 8 hours. This frequency may be adjusted depending on conditions.
2. Do not let excess grease collect on or around parts, particularly when operating in sandy areas.
3. See Figure 5 for lubrication points.
4. Use a lithium grease of #2 consistency with a MOLY (molybdenum disulfide) additive for all loca-

tions unless otherwise noted. Be sure to clean fittings thoroughly before attaching grease gun.

5. The cultipacker has the following greasable locations:

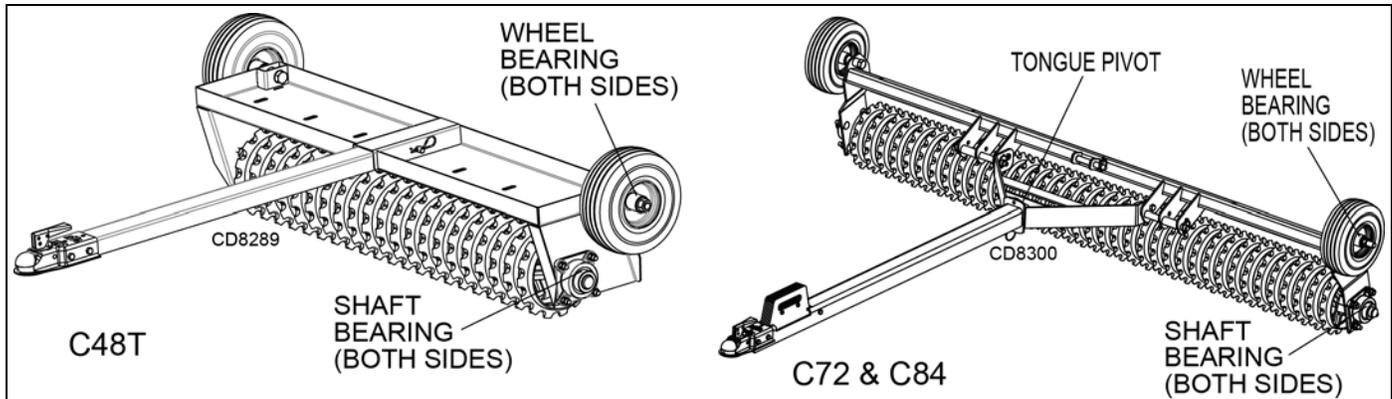
Wheels - 1 each

Tongue pivot - 1 (C72 & C84 Pull-Type models only)

Cultipacker bearings - 1 each

## **TIRE INFLATION INFORMATION**

Tire pressure and service - maximum inflation pressure 50 psi.



**Figure 5.** Lubrication Points

## **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.

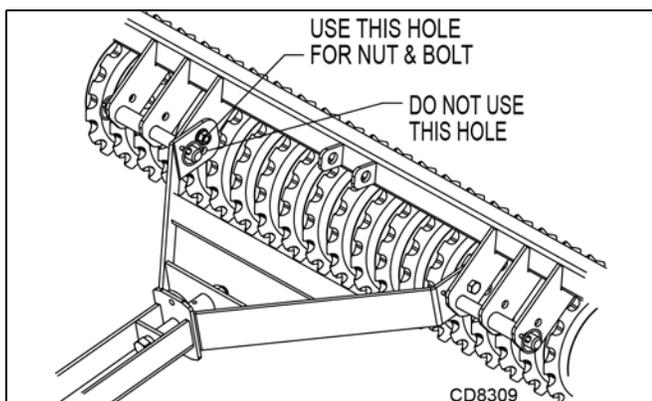
- Inspect machine and replace worn or damaged parts.
- Sand down scratches and the edges of areas of missing paint and coat with spray paint of matching color (purchase from your dealer).
- Replace any safety decals that are missing or not readable (supplied free by your dealer). See Safety Decals section for location drawing.

# ASSEMBLY

## TOW ACCESSORY ASSEMBLY

### **C72 & C84 Models**

1. Chock the front and back rollers to prevent cultipacker from shifting. Make sure park stand is in position to hold cultipacker frame up.
2. Install A-frame hitch onto cultipacker using lower hitch pins and the 1/2" x 1" hex bolts and 1/2" flange lock nuts. Place the 1/2" bolts in the upper A-frame hole and the hole of the lower hitch. See Figure 6.
3. Install tongue into A-frame bushing. Install 3/4" x 7" long bolt into sleeve with bolt head on the tongue side and nut on the A-frame side. Tighten bolt and nut so that it clamps tongue sleeve. (See Page 20).
4. Install counter weight in tongue using 3/8" x 3-3/4" long bolt and 3/8" flange lock nut in rear hole.
5. Install counter weights in tongue and 2" ball coupler with 3/8" x 3-3/4" long bolt and 3/8" flange lock nut in rear hole. Install other 3/8" x 3-3/4" long bolt and 3/8" flange lock nut in 2" ball coupler and tongue.
6. Install wheels with 3/4" x 7" long bolt, sleeve, wheel and 3/4" flange nut. Place bolt head against frame sleeve and nut against wheel. (See Page 20).
7. Remove park stand.



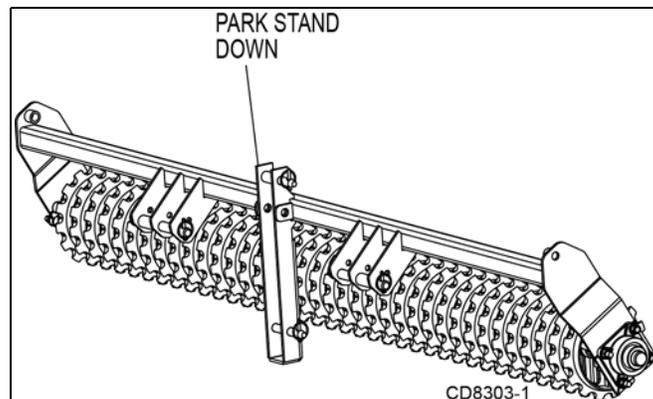
**Figure 6.** Pull-Type Tongue Installation

## 3-POINT HITCH CONFIGURATION

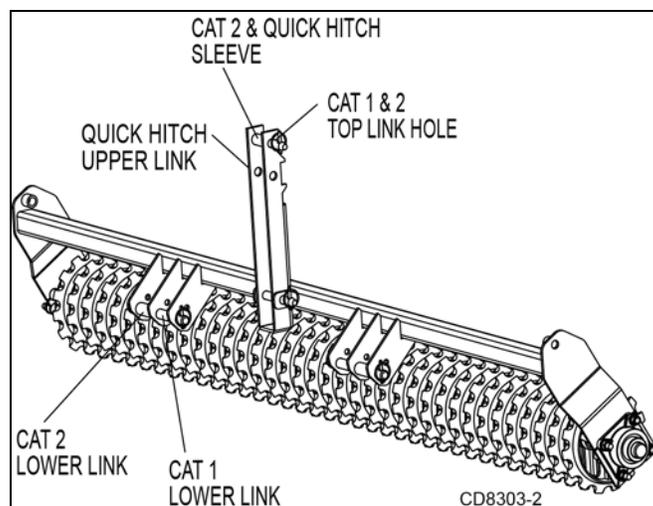
### **C72 & C84 Models**

1. Attach park stand top link to frame with top link pin. Place pin in second hole from the top for the park stand mode. (See Figure 7).
2. Place long lower hitch pin and Category II sleeve in bottom hole location.

3. Remove cultipacker from pallet and place on dry, level surface.
4. Match holes in cultipacker frame with holes in bearings and assemble with 1/2" bolts and flange lock nuts.



**Figure 7.** C72 & C84 Park Stand Down



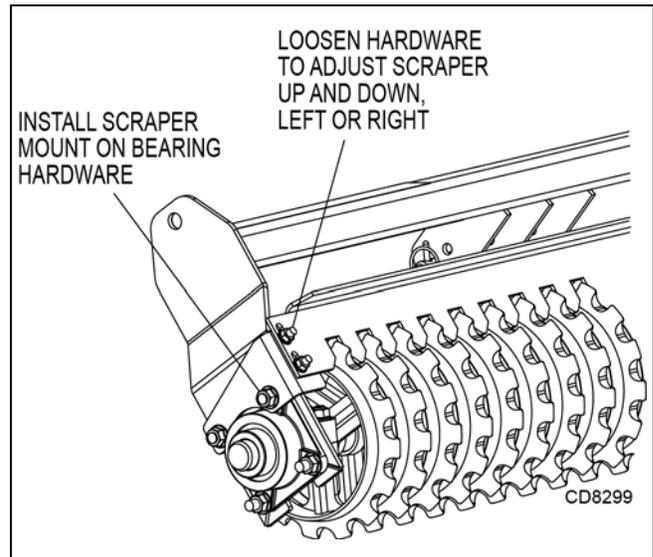
**Figure 8.** C72 & C84 Park Stand Top Link Position

## MODEL C48T ASSEMBLY

1. Remove cultipacker from pallet and place on a dry level surface.
2. Attach tongue to receiver channel with 1/2" bent pin and hair pin clip. (See page 18).

## **INSTALLING SCRAPER ON C72 & C84 CULTIPACKER (OPTIONAL)**

1. Place the cultipacker on a level, dry area, positioned behind the tractor with the park stand down and cultipacker wheels on the ground.
2. Remove the top two 1/2" flange nuts for each bearing.
3. Install the scraper mounts on their respective sides and tighten bearing nuts. See Figure 9.
4. Install scraper bar on scraper mounts with 3/8" x 1" carriage bolts and 3/8" flange lock nuts. Leave hardware loose.
5. Center scraper on cultipacker with 1/4" gap between cultipacker furrow and tip of scraper.
6. Tighten scraper hardware.



**Figure 9.** Scraper Installation (Optional)

## **ADJUSTING SCRAPER ON CULTIPACKER**

1. Loosen 3/8" hardware connecting scraper to scraper mounts.
2. Center scraper on cultipacker with 1/4" gap between cultipacker furrow and tip of scraper.
3. Tighten scraper hardware.

# DEALER CHECK LISTS

Before delivering Cultipacker to the customer, complete the following check lists.

## **PRE-DELIVERY CHECK LIST**

(DEALER'S RESPONSIBILITY)

Inspect the equipment thoroughly before delivering it to the customer:

- \_\_\_ Check that all safety decals are installed and in good condition. Replace if damaged.
- \_\_\_ Check all bolts to be sure they are properly torqued.
- \_\_\_ Check that all cotter pins and safety pins are properly installed. Replace if damaged.

## **DELIVERY CHECK LIST**

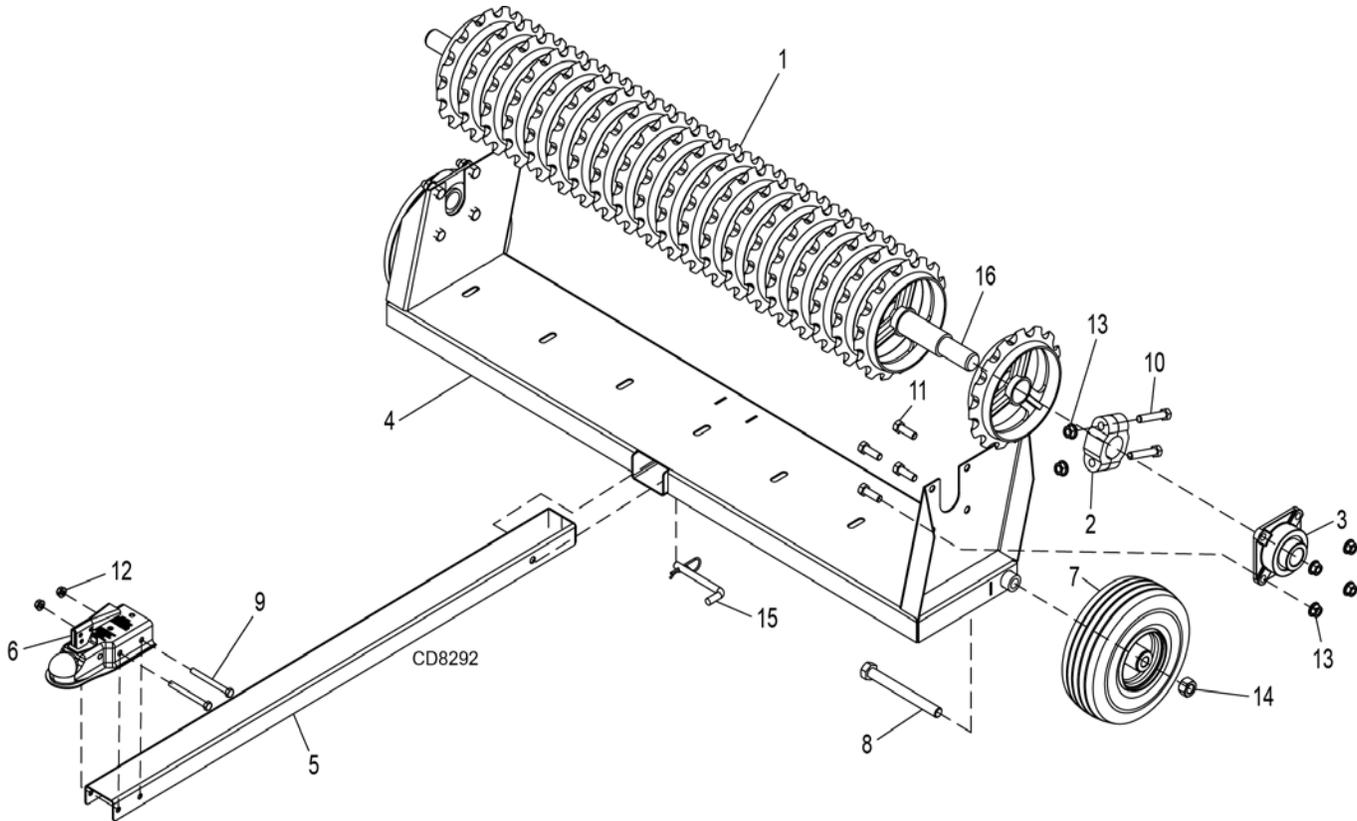
(DEALER'S RESPONSIBILITY)

- \_\_\_ 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.

- \_\_\_ Show customer how to make adjustments.
- \_\_\_ Instruct customer how to lubricate and explain importance of lubrication.
- \_\_\_ Show customer the safe, proper procedures to be used when mounting, dismounting, and storing equipment.
- \_\_\_ 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.
- \_\_\_ 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 the 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!

# C48T ASSEMBLY



REF	PART	QTY	DESCRIPTION	REF	PART	QTY	DESCRIPTION
1	1034651	21	Wheel, 9 in, cultipacker	8	12410	2	3/4 NC x 7 HHCS, GR5
2	1034676	4	Clamp, cultipacker 1-3/4	9	13927 *	2	3/8 NC x 3-3/4 HHCS, GR5
3	1033740	2	Bearing, 1.38 4-bolt flange	10	5621 *	4	1/2 NC x 2-3/4 HHCS, GR5
4	104077848	1	WA, Frame, cultipacker 48	11	3379 *	8	1/2 NC x 1-1/2 HHCS, GR5
5	1040785	1	Tongue, cultipacker 48	12	14350 *	2	3/8 NC Flange lock nut
6	S40034600	1	Hitch ball, 2" coupler	13	11900 *	12	1/2 NC Flange lock nut
7	1040766	2	Wheel, ball bearing 10.00 x 3.25 x .75	14	2371	2	3/4 NC Hex lock nut
				15	100181	1	Pin, bent .50 x 4.5 w/lock clip
				16	103878048	1	WA, Cultipacker shaft, 48

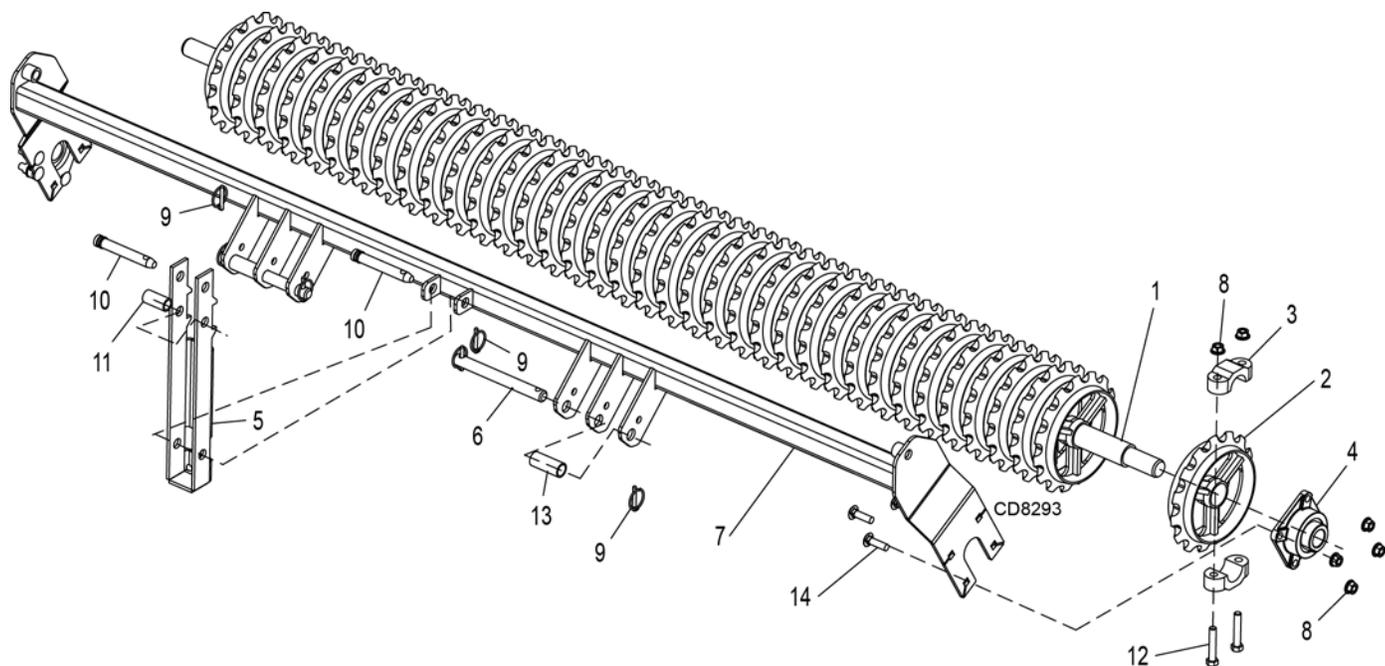
HHCS Hex Head Cap Screw

\* Standard Hardware, Obtain Locally

**18 Parts**

MAN1129 (2/25/2015)

# C72 & C84 ASSEMBLY

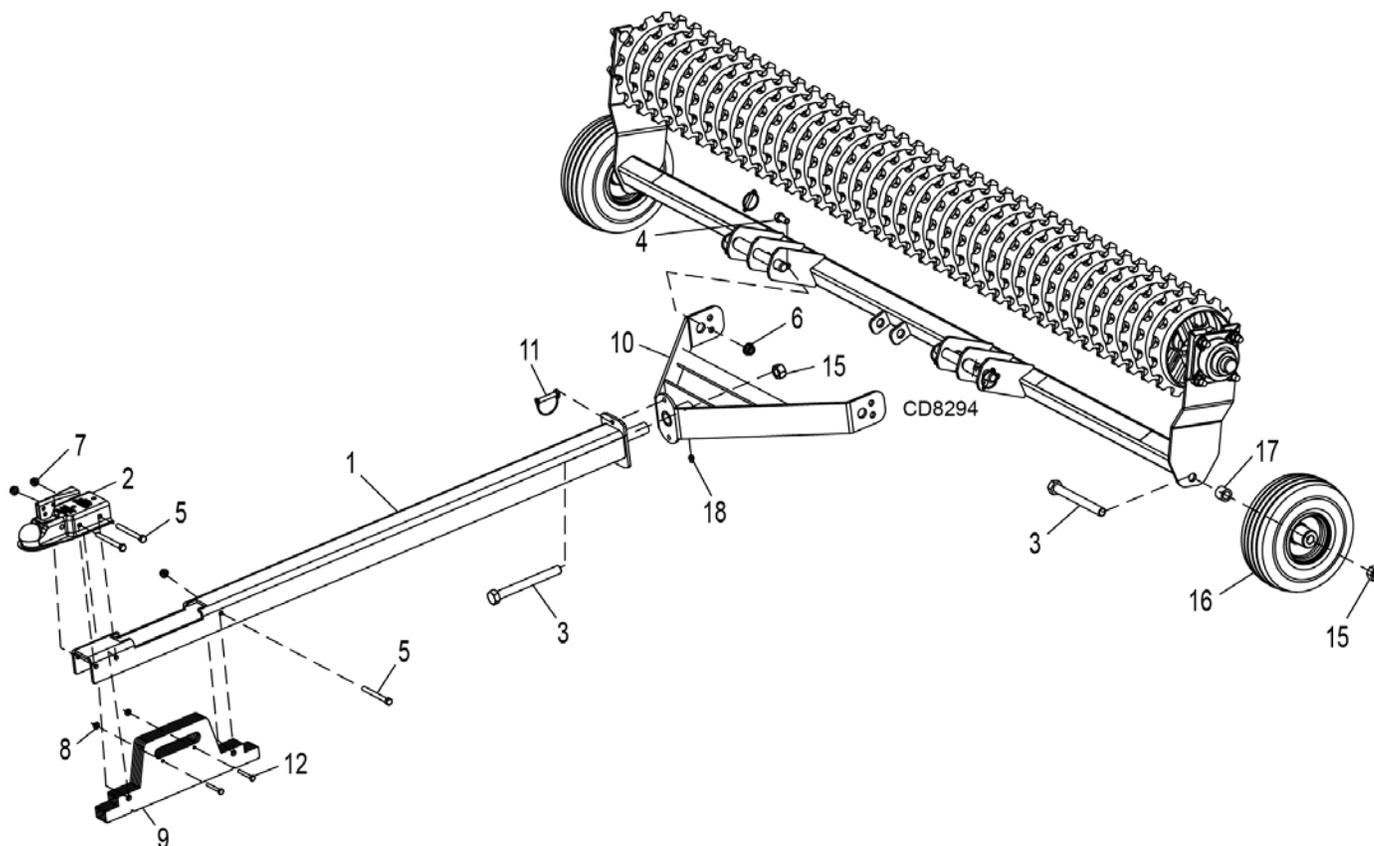


REF	C72 PART	QTY	C84 PART	QTY	DESCRIPTION
1	103465072	1	103465084	1	WA, Cultipacker shaft
2	1034651	32	1034651	37	Wheel 9 in, cultipacker
3	1034676	4	1034676	4	Clamp, cultipacker, 1-3/4
4	1033740	2	1033740	2	Bearing, 1.38 4-bolt flange
5	1040759	1	1040759	1	Channel, top link
6	HB233	2	HBL233	2	Pin, hdls .875 x 6.94
7	104077672	1	104077684	1	WA, Frame cultipacker
8	11900*	12	11900*	12	1/2 NC Flange lock nut
9	43627*	6	43627*	6	7/16 Lynch pin
10	43645	2	43645	2	3/4 Top link pin
11	7372	1	7372	1	Sleeve, 25/32 x 1 x 2
12	5621*	4	5621*	4	1/2 NC x 2-3/4 HHCS, GR5
13	56598	2	56598	2	Sleeve, .885 x 1.12 x 2.62
14	12735*	8	12735*	8	1/2 NC x 1-3/4 Carriage bolt, GR5

\* Standard Hardware, Obtain Locally  
HHCS Hex Head Cap Screw

# C72 & C84 TOW OPTION ASSEMBLY

ACCESSORY PART NUMBER: 1040767



REF	PART	QTY	DESCRIPTION	REF	PART	QTY	DESCRIPTION
1	1040762	1	WA, Tongue cultipacker 72 & 84	9	1040790	1	Weight, tongue cultipacker 72 & 84
2	S40034600	1	Hitch ball, 2" coupler	10	1040771	1	WA, A-Frame cultipacker 72 & 84
3	12410	3	3/4 NC x 7 HHCS, GR5	11	90025028	1	Pin, wire lock 3/8 x 1-3/4
4	25475 *	2	1/2 NC x 1 HHCS, GR5	12	22348 *	2	1/4 NC x 2 HHCS, GR5
5	13927 *	3	3/8 NC x 3-3/4 Flange lock nut	15	2371	3	3/4 NC Hex lock nut
6	11900 *	2	1/2 NC Flange lock nut	16	1040766	2	Wheel, ball bearing 10.00 x 3.25 x .75
7	14350 *	3	3/8 NC Flange lock nut	17	27052	2	Sleeve, 3/4 x 1-1/8 x .92
8	62521 *	2	1/4 NC Flange lock nut	18	12296 *	1	1/4-28 Straight grease fitting

HHCS Hex Head Cap Screw

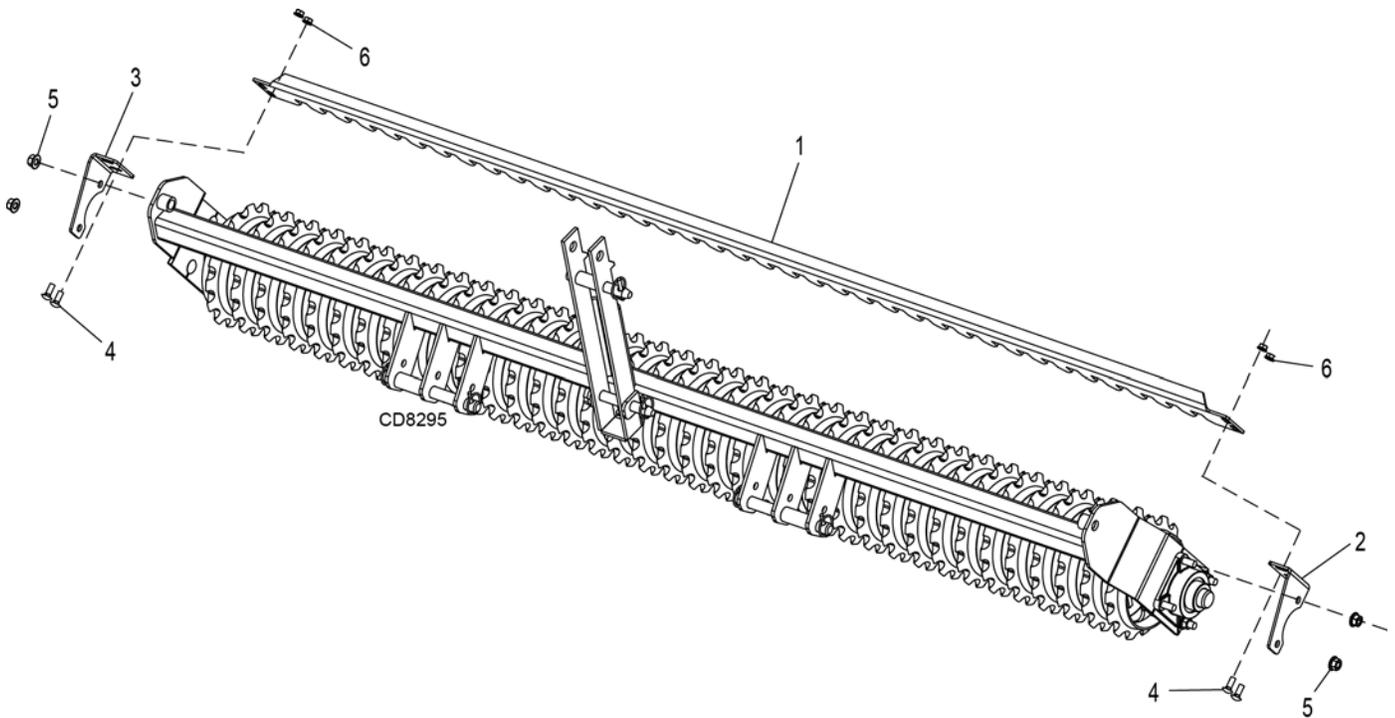
\* Standard Hardware, Obtain Locally

**20 Parts**

(Rev. 4/4/2015)  
MAN1129 (2/25/2015)

# C72 & C84 SCRAPER ACCESSORY ASSEMBLY

ACCESSORY PART NUMBER: 103642072 & 103642084



REF	C72 PART	QTY	C84 PART	QTY	DESCRIPTION
1	103642672	1	103642684	1	Scraper, rear cultipacker
2	1036427	1	1036427	1	Mount, scraper left
3	1036428	1	1036428	1	Mount, scraper right
4	6697*	4	6697*	4	3/8 NC x 1 Carriage bolt, GR5
5	11900*	8	11900*	8	1/2 NC Flange lock nut
6	14350*	4	14350*	4	2/8 NC Flange lock nut

\* Standard Hardware, Obtain Locally  
 HHCS Hex Head Cap Screw

# BOLT TORQUE CHART

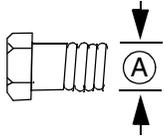
Always tighten hardware to these values unless a different torque value or tightening procedure is listed for a specific application.

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 Grade 2  
(No Dashes)

SAE Bolt Head Identification

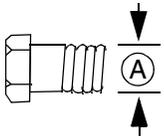


SAE Grade 5  
(3 Radial Dashes)



SAE Grade 8  
(6 Radial Dashes)

Ⓐ Diameter (Inches)	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



## METRIC SERIES TORQUE CHART



Metric  
Grade 8.8

Metric Bolt Head Identification

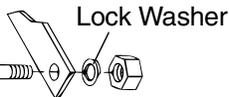


Metric  
Grade 10.9

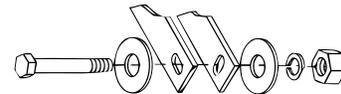
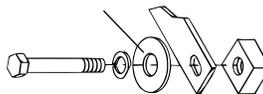
Ⓐ Diameter & Thread Pitch (Millimeters)	Wrench Size	Coarse Thread				Fine Thread				Ⓐ Diameter & Thread Pitch (Millimeters)
		Marking on Head				Marking on Head				
		Metric 8.8		Metric 10.9		Metric 8.8		Metric 10.9		
		N-m	lbs-ft	N-m	lbs-ft	N-m	lbs-ft	N-m	lbs-ft	
6 x 1.0	10 mm	8	6	11	8	8	6	11	8	6 x 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

### Typical Washer Installations

Bolt



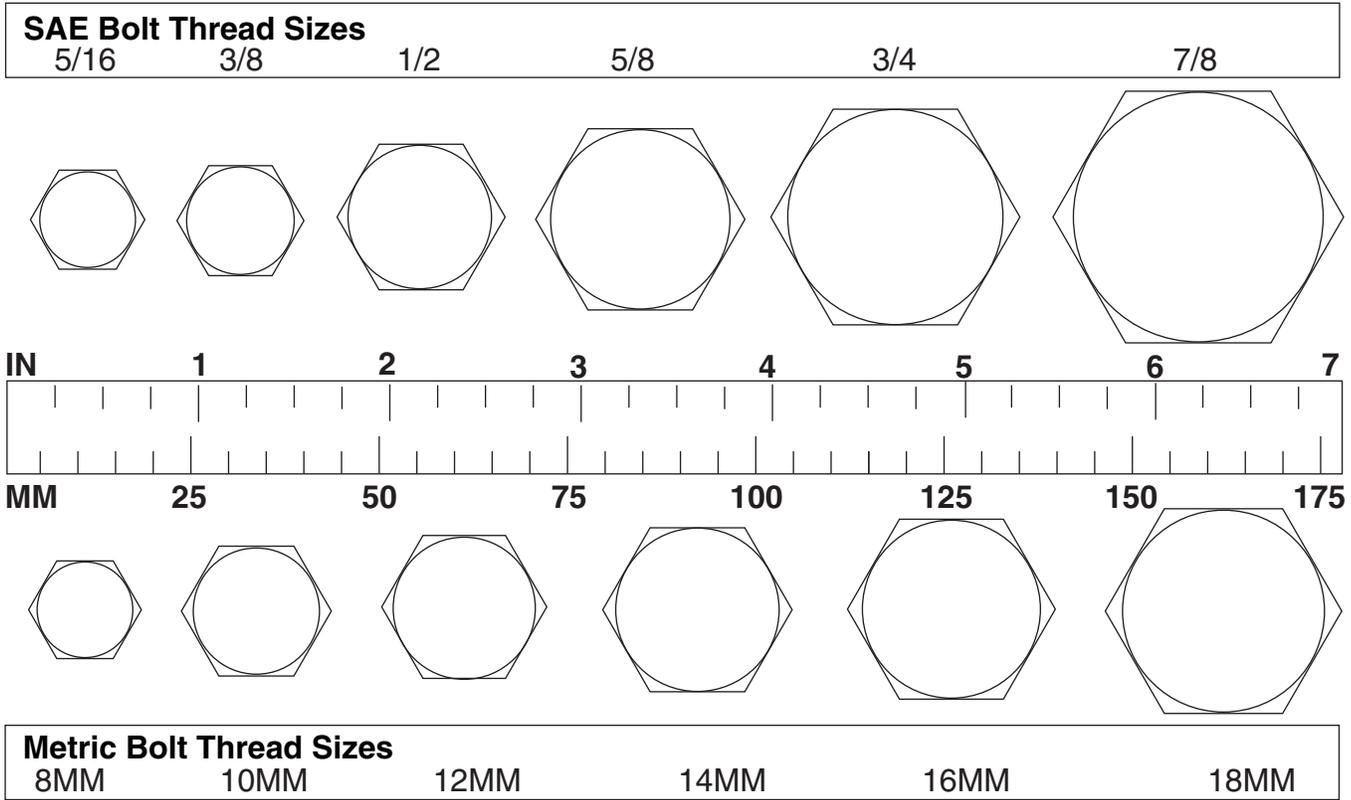
Flat Washer



8/9/00

# BOLT SIZE CHART

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



## ABBREVIATIONS

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



# WARRANTY

All Models Except Mow'n Machine™ Zero-Turn Mowers

Please Enter Information Below and Save for Future Reference.

Date Purchased: \_\_\_\_\_ From (Dealer): \_\_\_\_\_

Model Number: \_\_\_\_\_ Serial Number: \_\_\_\_\_

Woods Equipment Company ("WOODS") warrants this product to be free from defect in material and workmanship. Except as otherwise set forth below, the duration of this Warranty shall be for TWELVE (12) MONTHS COMMENCING ON THE DATE OF DELIVERY OF THE PRODUCT TO THE ORIGINAL PURCHASER.

All current model loaders and backhoes are warranted for two (2) years from the date of delivery to the original purchaser.

The warranty periods for specific parts or conditions are listed below:

Part or Condition Warranted	Model Number	Duration (from date of delivery to the original purchaser)
	<b>All units invoiced after 4/30/2012</b>	
Gearbox components	BB48X, BB60X, BB72X, BB84X, BB600X, BB720X, BB840X, BB6000X, BB7200X, BB8400X, DS1260, DSO1260, DS1440, TS1680,	6 years
	BW12, BW15LH, BW126X, BW180X, BW126XHD, BW180XHD, BW1260X, BW1800X,	
	BW240X, BW240XHD, BW1620X, BW2400X	
	DS96, DS120, RCC42, RD990X, PRD6000, PRD7200, PRD8400, S15CD, S20CD, S22CD, S25CD, S27CD, S30CD, TC/R74, TC/R68, TC/R60, TBW144, TBW180, TBW204, TSG50, S12ED, S15ED, S18ED, S20ED, TPD25, TPD35, TPD65, TPD95	
	RDC54, RD60, RD72, TBW150C, TS/R60, TS/R52, TS/R44, HC48, HC54, HC60, HC72, RC3.5, RC4, RC5, RC6	3 years (1 year if used in rental or commercial applications)
Blade spindles	RD990X, PRD6000, PRD7200, PRD8400, TBW144, TBW180, TBW204	3 years
Rust-through	BB600X, BB720X, BB840X, BB6000X, BB7200X, BB8400X, BW126X, BW180X, BW126XHD, BW180XHD, BW1260X, BW1800X, BW240, BW240HD, DS1260, DSO1260, DS1440, TS1680	10 years

Under no circumstances will this Warranty apply in the event that the product, in the good faith opinion of WOODS, has been subjected to improper operation, improper maintenance, misuse, or an accident. This Warranty does not apply in the event that the product has been materially modified or repaired by someone other than WOODS, a WOODS authorized dealer or distributor, and/or a WOODS authorized service center. This Warranty does not cover normal wear or tear, or normal maintenance items. This Warranty also does not cover repairs made with parts other than those obtainable through WOODS.

This Warranty is extended solely to the original purchaser of the product. Should the original purchaser sell or otherwise transfer this product to a third party, this Warranty does not transfer to the third party purchaser in any way. There are no third party beneficiaries of this Warranty.

WOODS makes no warranty, express or implied, with respect to engines, batteries, tires or other parts or accessories not manufactured by WOODS. Warranties for these items, if any, are provided separately by their respective manufacturers.

WOODS' obligation under this Warranty is limited to, at WOODS' option, the repair or replacement, free of charge, of the product if WOODS, in its sole discretion, deems it to be defective or in noncompliance with this Warranty. **The product must be returned to WOODS with proof of purchase within thirty (30) days after such defect or noncompliance is discovered or should have been discovered, routed through the dealer and distributor from whom the purchase was made, transportation charges prepaid.** WOODS shall complete such repair or replacement within a reasonable time after WOODS receives the product. **THERE ARE NO OTHER REMEDIES UNDER THIS WARRANTY. THE REMEDY OF REPAIR OR REPLACEMENT IS THE SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY.**

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE OF THIS WARRANTY. WOODS MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, AND WOODS SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY AND/OR ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

**WOODS shall not be liable for any incidental or consequential losses, damages or expenses, arising directly or indirectly from the product, whether such claim is based upon breach of contract, breach of warranty, negligence, strict liability in tort or any other legal theory.** Without limiting the generality of the foregoing, Woods specifically disclaims any damages relating to (i) lost profits, business, revenues or goodwill; (ii) loss of crops; (iii) loss because of delay in harvesting; (iv) any expense or loss incurred for labor, supplies, substitute machinery or rental; or (v) any other type of damage to property or economic loss.

This Warranty is subject to any existing conditions of supply which may directly affect WOODS' ability to obtain materials or manufacture replacement parts.

No agent, representative, dealer, distributor, serviceperson, salesperson, or employee of any company, including without limitation, WOODS, its authorized dealers, distributors, and service centers, is authorized to alter, modify, or enlarge this Warranty. Answers to any questions regarding warranty service and locations may be obtained by contacting:

## Woods Equipment

A Blount International Company

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

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



**ALITEC™**

**BMP®**

**CENTRAL FABRICATORS®**

**GANNON®**

**GILL®**

**WAIN-ROY®**

**WOODS®**



# WARRANTY

(Replacement Parts For All Models Except Mow'n Machine™  
Zero-Turn Mowers and Woods Boundary™ Utility Vehicles)

Woods Equipment Company ("WOODS") warrants this product to be free from defect in material and workmanship for a period of ninety (90) days from the date of delivery of the product to the original purchaser with the exception of V-belts, which will be free of defect in material and workmanship for a period of 12 months.

Under no circumstances will this Warranty apply in the event that the product, in the good faith opinion of WOODS, has been subjected to improper operation, improper maintenance, misuse, or an accident. This Warranty does not cover normal wear or tear, or normal maintenance items.

This Warranty is extended solely to the original purchaser of the product. Should the original purchaser sell or otherwise transfer this product to a third party, this Warranty does not transfer to the third party purchaser in any way. There are no third party beneficiaries of this Warranty.

WOODS' obligation under this Warranty is limited to, at WOODS' option, the repair or replacement, free of charge, of the product if WOODS, in its sole discretion, deems it to be defective or in noncompliance with this Warranty. **The product must be returned to WOODS with proof of purchase within thirty (30) days after such defect or noncompliance is discovered or should have been discovered, routed through the dealer and distributor from whom the purchase was made, transportation charges prepaid.** WOODS shall complete such repair or replacement within a reasonable time after WOODS receives the product. THERE ARE NO OTHER REMEDIES UNDER THIS WARRANTY. THE REMEDY OF REPAIR OR REPLACEMENT IS THE SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE OF THIS WARRANTY. WOODS MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, AND WOODS SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY AND/OR ANY IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

**WOODS shall not be liable for any incidental or consequential losses, damages or expenses, arising directly or indirectly from the product, whether such claim is based upon breach of contract, breach of warranty, negligence, strict liability in tort or any other legal theory.** Without limiting the generality of the foregoing, Woods specifically disclaims any damages relating to (i) lost profits, business, revenues or goodwill; (ii) loss of crops; (iii) loss because of delay in harvesting; (iv) any expense or loss incurred for labor, supplies, substitute machinery or rental; or (v) any other type of damage to property or economic loss.

This Warranty is subject to any existing conditions of supply which may directly affect WOODS' ability to obtain materials or manufacture replacement parts.

No agent, representative, dealer, distributor, service person, salesperson, or employee of any company, including without limitation, WOODS, its authorized dealers, distributors, and service centers, is authorized to alter, modify, or enlarge this Warranty.

Answers to any questions regarding warranty service and locations may be obtained by contacting:

**ALITEC™**  
**BMP®**  
**CENTRAL FABRICATORS®**  
**GANNON®**  
**GILL®**  
**WAIN-ROY®**  
**WOODS®**

**WOODS®**  
Woods Equipment Company

**Woods Equipment**  
A Blount International Company  
2606 South Illinois Route 2  
Post Office Box 1000  
Oregon, Illinois 61061  
800-319-6637 tel  
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