

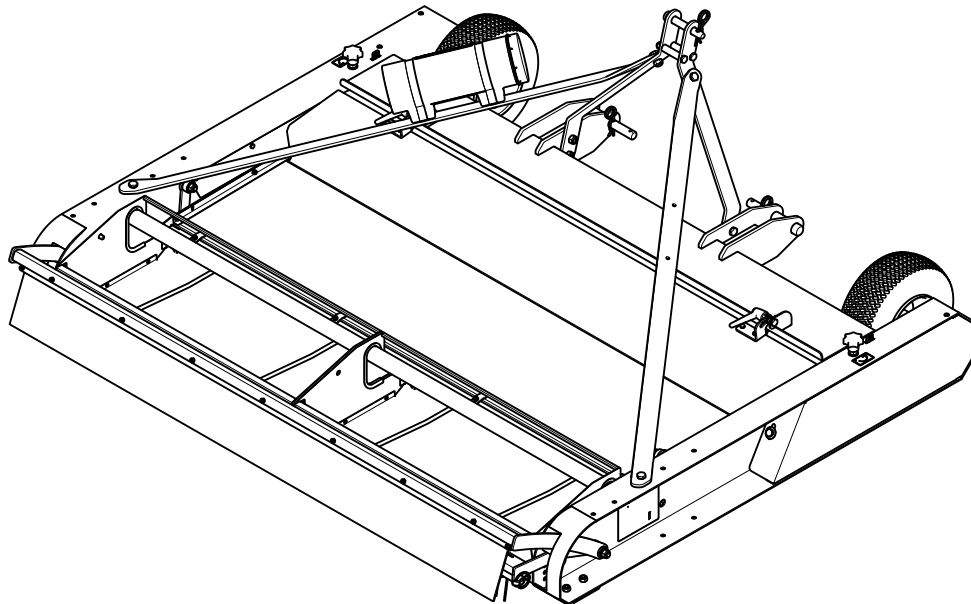
# BULLSEYE™

Form No. 3443-901 Rev B

## Operator's Manual

### FieldSweep 660

Model No. 46412—Serial No. 321000001 and Up



## ⚠ WARNING

### CALIFORNIA Proposition 65 Warning

Use of this product may cause exposure to chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

This manual identifies potential hazards and has safety messages identified by the safety-alert symbol (Figure 2), which signals a hazard that may cause serious injury or death if you do not follow the recommended precautions.



Figure 2

g000502

1. Safety-alert symbol

This manual uses 2 words to highlight information. **Important** calls attention to special mechanical information and **Note** emphasizes general information worthy of special attention.

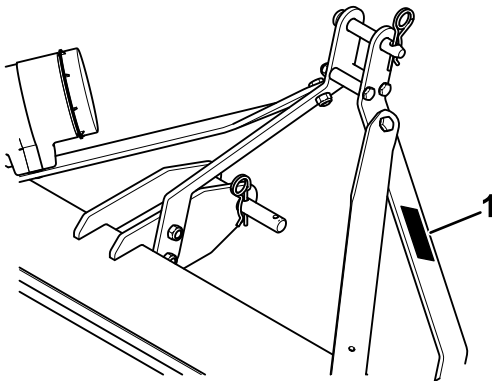
# Introduction

This machine is a tow-behind attachment intended to be used by professional, hired operators in commercial applications. It is designed to separate debris from infill and brush the infill back into the surface of synthetic turf. Using this product for purposes other than its intended use could prove dangerous to you and bystanders.

Read this information carefully to learn how to operate and maintain your product properly and to avoid injury and product damage. You are responsible for operating the product properly and safely.

Visit [www.Toro.com/Bullseye](http://www.Toro.com/Bullseye) for product safety and operation training materials, accessory information, help finding a dealer, or to register your product.

Whenever you need service, genuine Bullseye parts, or additional information, contact an Authorized Service Dealer or Bullseye Customer Service and have the model and serial numbers of your product ready. Figure 1 identifies the location of the model and serial numbers on the product. Write the numbers in the space provided.



g363101

Figure 1

1. Model and serial number location

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# Safety

## General Safety

This product is capable of causing personal injury. Always follow all safety instructions to avoid serious personal injury.

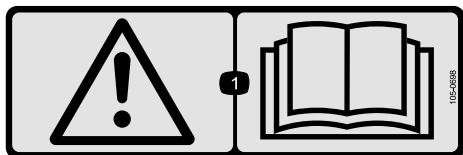
- Read and understand the contents of both this *Operator's Manual* and the operator's manual of the traction unit before using this machine. Ensure that everyone using this product knows how to use this machine and the traction unit and understands the warnings.
- Use your full attention while operating the machine. Do not engage in any activity that causes distractions; otherwise, injury or property damage may occur.
- Do not put your hands or feet near moving components of the machine.
- Do not operate the machine without all guards and other safety protective devices in place and working on the machine.
- Keep the machine away from bystanders while it is moving.
- Keep children out of the operating area. Never allow children to operate the machine.
- Stop the machine, shut off the engine, engage the parking brake of the traction unit, remove the key, and wait for all moving parts to stop before servicing, fueling, or unclogging the machine.

Improperly using or maintaining this machine can result in injury. To reduce the potential for injury, comply with these safety instructions and always pay attention to the safety-alert symbol , which means Caution, Warning, or Danger—personal safety instruction. Failure to comply with these instructions may result in personal injury or death.

# Safety and Instructional Decals



Safety decals and instructions are easily visible to the operator and are located near any area of potential danger. Replace any decal that is damaged or missing.



decal105-0698

**105-0698**

1. Warning—read the *Operator's Manual*.



decal144-7905

**144-7905**

1. Thrown object hazard—keep bystanders away.
2. Warning—remove the key, secure the machine from movement, and read the *Operator's Manual* before performing maintenance.

**WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).  
For more information, please visit [www.ttcocalprop65.com](http://www.ttcocalprop65.com)

133-8061

decal133-8061

**133-8061**

# Setup

## 1

## Removing the Machine from the Pallet

No Parts Required

### Procedure

The machine is shipped vertically on the pallet. Use the following instructions to remove it from the pallet.

#### **⚠ DANGER**

The attachment is unstable and could swing when lifted, injuring anyone beneath it or around it.

- Refer to the lifting machine operator's manual to ensure that it is rated to lift the attachment.
- Ensure the lift height is kept to a minimum and only high enough to remove the shipping material.
- Do not crawl under the attachment.

1. Place the pallet on level ground.
2. Remove the debris bins; refer to [Emptying the Debris Bins \(page 12\)](#).
3. Attach lifting cables to the middle of the crossbar and upper 3-point hitch pins.

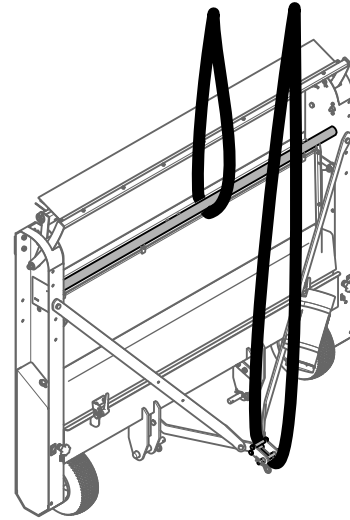


Figure 3

g351075

4. Lift the attachment and pallet off the ground 50 mm (2 inches).  
**Important:** Ensure that the lifting cable does not slide on the crossbar.
5. Gently lower the attachment in a controlled way as shown in [Figure 4](#) until it is on the ground.
6. Remove the upper 3-point hitch pins and carefully rotate the pallet around the lower 3-point hitch pins.
7. Remove the lower 3-point hitch pins and remove the pallet.
8. Install the hitch pins.
9. Install the debris bins.

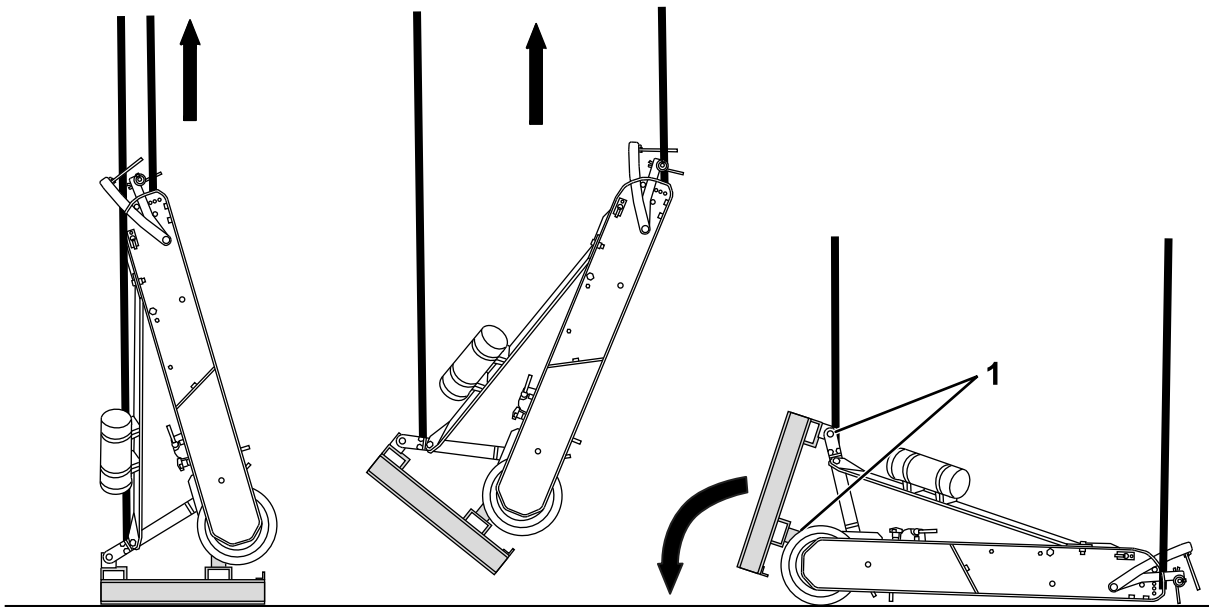


Figure 4

g349013

1. 3-point hitch pins (3)

## 2

### Inspecting the Machine

No Parts Required

### Checking the Traction Unit Requirements

Use the following list as a reference:

- Refer to [Specifications \(page 7\)](#) for the minimum horse power and minimum lifting capacity for the traction unit.
- The traction unit must have a category I hitch.
- Adequate front-end weight (ballast) to offset the weight of the machine.
- Check the tire air pressure of the traction unit.

Adjust the tire air pressure as needed.

**Important:** Do not exceed the maximum or minimum tire inflation pressures as recommended by the tire manufacturer.

### Checking the Ballast Requirements

#### ⚠ WARNING

Mounting the machine to the rear of the traction unit decreases the weight on its front axle.

Failure to add required ballast may result in an accident and severe injury or death.

- To ensure adequate steering control and stability you may need to add ballast to the front of the traction unit.
- Refer to the traction unit operator's manual for ballast requirements.

# Product Overview

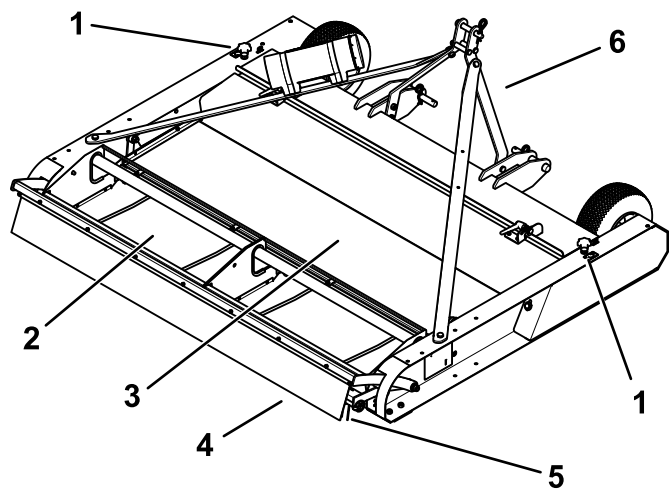


Figure 5

g349007

- |                                  |                             |
|----------------------------------|-----------------------------|
| 1. Working depth adjustment knob | 4. Rear brush               |
| 2. Debris bin                    | 5. Rake                     |
| 3. Sieve                         | 6. 3-point hitch connection |

## Specifications

Specifications and design are subject to change without notice.

### Traction Unit Requirements

Lifting capacity	250 kg (550 lb)
Tow system	3-point hitch, category 1

### Attachment Specifications

Width	190 cm (75 inches)
Length	172 cm (68 inches)
Height	75 cm (29-1/2 inches)
Working width	167 cm (66 inches)
Working depth	0 to 10 mm (0 to 0.4 inches)
Number of debris bins	2
Debris bin capacity (per bin)	20 L (1220 inches <sup>3</sup> )
Maximum operating speed	12 km/h (7.5 mph)
Maximum capacity (theoretical at maximum transport speed)	16 700 m <sup>2</sup> /h (179,750 ft <sup>2</sup> /h)
Weight	220 kg (485 lb)

## Attachments/Accessories

A selection of Bullseye approved attachments and accessories may be available for use with the machine to enhance and expand its capabilities. Contact your Authorized Service Dealer or authorized Bullseye distributor or go to [www.Toro.com/Bullseye](http://www.Toro.com/Bullseye) for a list of all approved attachments and accessories.

To ensure optimum performance and continued safety certification of the machine, use only genuine Bullseye replacement parts and accessories. Replacement parts and accessories made by other manufacturers could be dangerous, and such use could void the product warranty.

# Operation

## Before Operation

### Before Operation Safety

- Never allow children or untrained people to operate or service the machine. Local regulations may restrict the age of the operator. The owner is responsible for training all operators and mechanics.
- Become familiar with the safe operation of the equipment, operator controls, and safety signs.
- Know how to stop the machine and shut off the engine of the traction unit quickly.
- Ensure that the guards and shields are properly installed and maintained. Replace missing, damaged, or worn guards and shields before using the machine.
- Inspect the area where you will use the machine and remove all objects that the machine could strike.
- Ensure that your traction unit is suitable for use with an implement of this weight by checking with your traction unit supplier or manufacturer.
- Shut off the machine, shut off the engine and remove the key of the traction unit, and wait for all moving parts to stop before making any adjustments to the machine.

## Understanding the Traction Unit Controls

Familiarize yourself with the operation of the following traction unit controls before operating the machine:

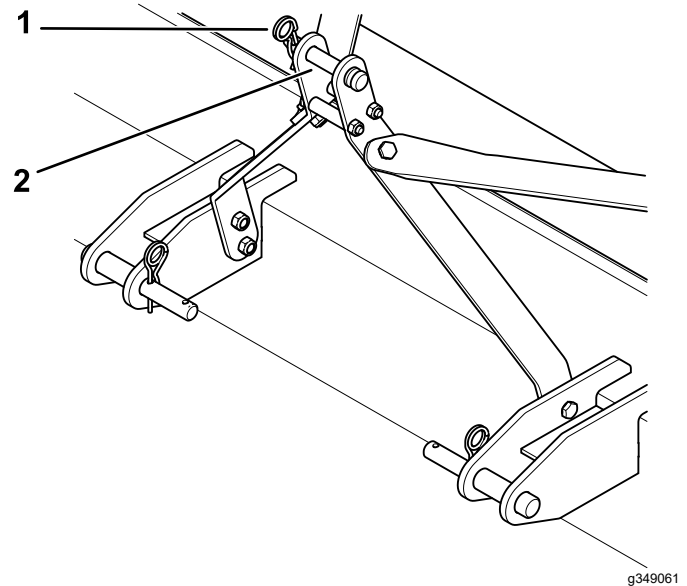
- 3-point hitch (raise/lower)
- Clutch
- Throttle
- Gear selection
- Parking brake

**Important:** Refer to the traction unit operator's manual for operating instructions.

## Connecting to a 3-Point Hitch

### Connecting the Lower Link Arms

1. Ensure that the attachment is positioned on a level surface for installation.
2. Remove the hairpin cotters and hitch pins from the attachment.

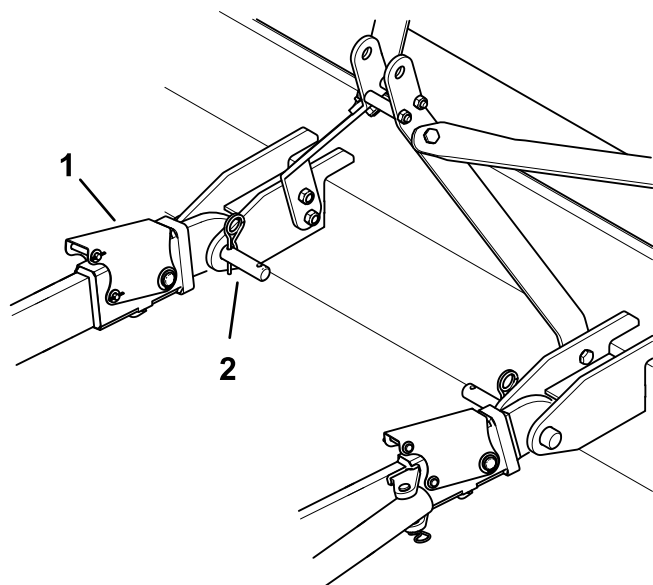


**Figure 6**

1. Hairpin cotter (3)
  2. Hitch pin (3)
- 
3. Back the traction unit squarely up to the attachment so that the lower connecting arms can be attached to the frame.
  4. Engage the parking brake, shut off the engine, and remove the key from the ignition. Wait for the engine and all moving parts to stop before leaving the operator's seat.



- Secure the right and left lower link arms to the frame using the hitch pins.



**Figure 7**

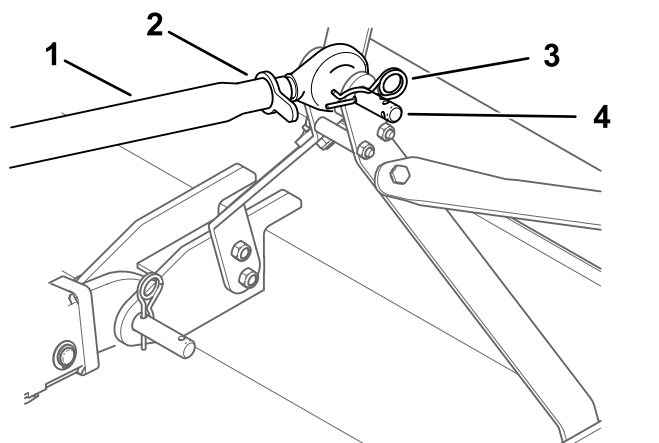
g349059

- Lower link arm (2)
- Hitch pin and hairpin cotter (2)

- Secure the lower link arms to the hitch pins using the hairpin cotters.

## Connecting the Upper Link

- Connect the upper link to the lower hole in the bracket frame and secure it with the hitch pin and the hairpin cotter.



**Figure 8**

g349060

- Upper link
- Jam nut
- Hairpin cotter
- Hitch pin

- Grease the threaded steel upper link tubes.
- Rotate the upper link to shorten the link. Adjust it until the attachment is flat on the ground.

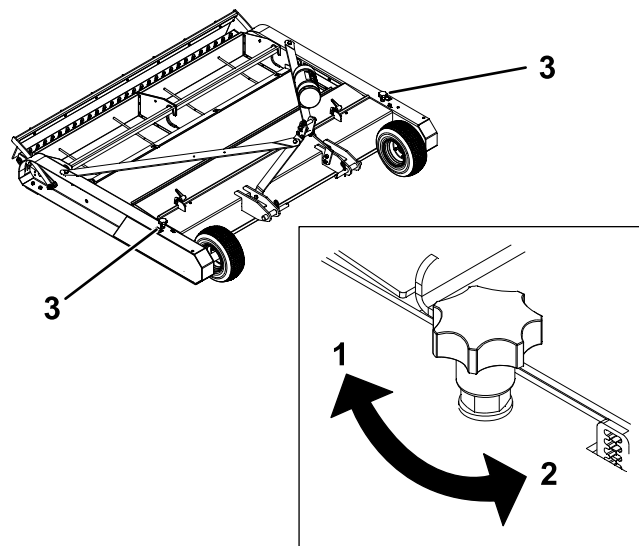
- Tighten the jam nut to secure the upper link into position.
- Start the traction unit and lift the attachment off the ground.

## Adjusting the Working Depth

**Important:** Do not adjust the working depth so that it would damage the ground surface.

- Park the machine on a level surface, engage the parking brake, shut off the engine, and remove the key from the traction unit.
- Secure the attachment from movement.
- On each side of the attachment, turn the knob clockwise to raise the brush or turn the knob counterclockwise to lower the brush.

**Note:** For top-layer cleaning, adjust the brushes so that the bristles do not touch the grass.



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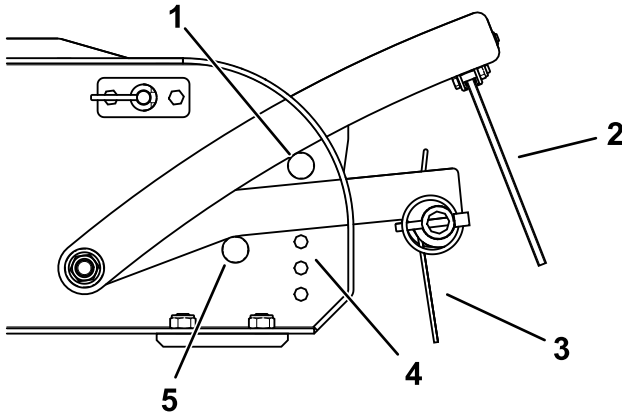
**Figure 9**

- Raise the brush.
- Lower the brush.
- Working depth adjustment knob
- Verify the working depth while the attachment is stationary.

# Adjusting the Rake and Rear Brush

**Important:** Do not adjust the working depth so that it would damage the ground surface.

1. Park the machine on a level surface, engage the parking brake, shut off the engine, and remove the key from the traction unit.
2. Secure the attachment from movement.
3. Remove the pin.
4. Raise or lower the rake to the desired height and install the pin.



**Figure 10**

- |              |             |
|--------------|-------------|
| 1. Brush pin | 4. Holes    |
| 2. Brush     | 5. Rake Pin |
| 3. Rake      |             |

5. To use only the rear brush, remove the brush pin.

**Note:** The weight of the brush forces it on the ground.

## Transporting the Attachment

To begin transport operation, raise the machine. To avoid loss of control, traverse steep inclines slowly, approach rough areas at reduced speed and cross severe undulations carefully.

**Important:** Do not exceed transport speeds of 12 km/h (7.5 mph).

## During Operation

### During Operation Safety

#### General Safety

- The owner/operator can prevent and is responsible for accidents that may cause personal injury or property damage.
- Wear appropriate clothing, including eye protection; long pants; substantial, slip-resistant footwear; and hearing protection. Tie back long hair and do not wear loose clothing or loose jewelry.
- Use your full attention while operating the machine. Do not engage in any activity that causes distractions; otherwise, injury or property damage may occur.
- Do not operate the machine when tired, ill, or under the influence of alcohol or drugs.
- Never carry passengers on the machine and keep bystanders and pets away from the machine during operation.
- Operate the machine only in good visibility to avoid holes or hidden hazards.
- Keep your hands and feet away from moving parts.
- Look behind and down before backing up to be sure of a clear path.
- Use care when approaching blind corners, shrubs, trees, or other objects that may obscure your vision.
- Stop the attachment whenever you are not using it.
- Stop the machine, shut off the engine, remove the key, wait for all moving parts to stop, and inspect the machine after striking an object or if there is an abnormal vibration in the machine. Make all necessary repairs before resuming operation.
- Slow down and use caution when making turns and crossing roads and sidewalks with the machine. Always yield the right-of-way.
- Reduce speed on rough roads and surfaces.
- When the attachment is connected to a traction unit and in the raised position, the weight of it affects stability, braking, and steering. Exercise caution when transporting between working areas.
- Never leave a running machine unattended.
- Before leaving the operating position, do the following:
  - Park the machine on a level surface.
  - Engage the parking brake.
  - Lower the attachment.
  - Shut off the engine and remove the key.

- Wait for all moving parts to stop before leaving the machine.
- Do not operate the machine when there is the risk of lightning.
- Use Bullseye accessories, attachments, and replacement parts only.

## Slope Safety

- Review the traction unit specifications to ensure that you do not exceed its slope capabilities.
- Slopes are a major factor related to loss of control and rollover accidents, which can result in severe injury or death. You are responsible for safe slope operation. Operating the machine on any slope requires extra caution.
- Review and understand the slope instructions in the manual and on the traction unit.
- Evaluate the site conditions to determine if the slope is safe for machine operation, including surveying the site. Always use common sense and good judgment when performing this survey.
- Review the slope instructions listed below for operating the machine on slopes and to determine whether you can operate the machine in the conditions on that day and at that site. Changes in the terrain can result in a change in slope operation for the machine.
- Avoid starting, stopping, or turning the machine on slopes. Avoid making sudden changes in speed or direction. Make turns slowly and gradually.
- Do not operate a machine under any conditions where traction, steering, or stability are in question.
- Remove or mark obstructions such as ditches, holes, ruts, bumps, rocks, or other hidden hazards. Tall grass can hide obstructions. Uneven terrain could overturn the machine.
- Be aware that operating the machine on wet grass, across slopes, or downhill may cause the machine to lose traction. Loss of traction to the drive wheels may result in sliding and a loss of braking and steering.
- Use extreme caution when operating the machine near drop-offs, ditches, embankments, water hazards, or other hazards. The machine could suddenly roll over if a wheel goes over the edge or the edge caves in. Establish a safety area between the machine and any hazard.
- Identify hazards at the base of the slope. If there are hazards, mow the slope with a power walk-behind mower.
- If possible, keep the attachment lowered to the ground while operating on slopes. Raising the

attachment while operating on slopes can cause the machine to become unstable.

- Use extreme caution with other attachments. These can change the stability of the machine and cause a loss of control. Always keep the machine in gear when going down slopes. Do not coast downhill (applicable only to gear-drive units).

## Operating the Attachment

**Important:** Do not exceed 12 km/h (7.5 mph) while transporting or operating the attachment.

1. Raise the attachment and drive to the location where you will use the attachment and park the machine on a level surface.
2. Lower the attachment to the ground.
3. Engage the parking brake, shut off the engine, and remove the key from the traction unit.
4. Adjust the 3-point top link until the attachment stands completely flat on the ground.
5. Drive the traction unit forward.
6. After operation, raise the attachment and drive to the next location as needed; refer to [Transporting the Attachment \(page 10\)](#).

## Operating Tips

- Make very gradual turns. Never make sharp turns with the attachment lowered. Plan your path before lowering the attachment.
- Do not use the attachment if the ground is too wet.
- Always check/adjust the top link whenever you change the depth.
- Look backward frequently to ensure that the machine is operating properly, and alignment is maintained with previous passes.
- To optimize performance and life of the product, operate the attachment only when grooming the intended application area.
- Make multiple passes over the field either in the same or in different directions for improved cleaning.

# After Operation

## After Operation Safety

- Park the tow vehicle on a level surface; engage the parking brake of the tow vehicle; shut off the engine; remove the key; and wait for all movement to stop before leaving the operator's position.
- Allow the machine to cool before storing the machine in any enclosure.
- Keep all parts of the machine in good working condition and all hardware tightened.
- Replace all worn, damaged, or missing decals.

## Emptying the Debris Bins

1. Park the machine on a level surface, engage the parking brake, shut off the engine, and remove the key from the traction unit.
2. Secure the attachment from movement.
3. Open the rotating lock for each bin.

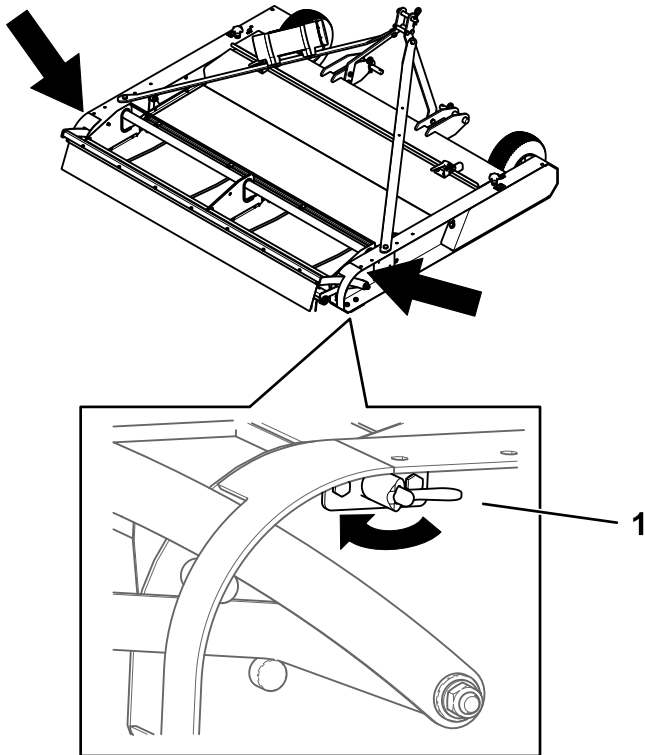


Figure 11

g349106

1. Rotating lock

4. Remove and empty the debris bins.

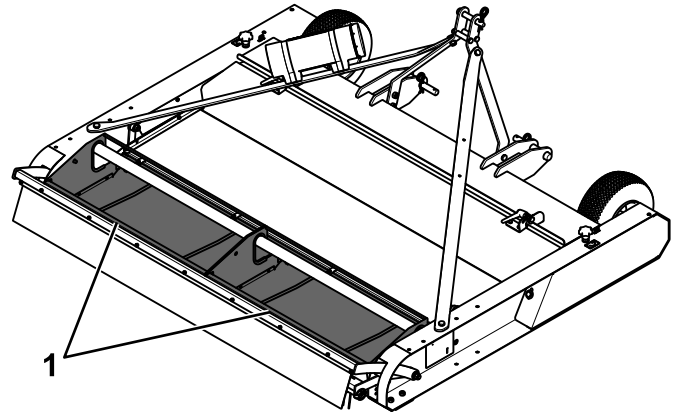


Figure 12

g349107

1. Debris bin

5. Install the bins.
6. Close the rotating lock.

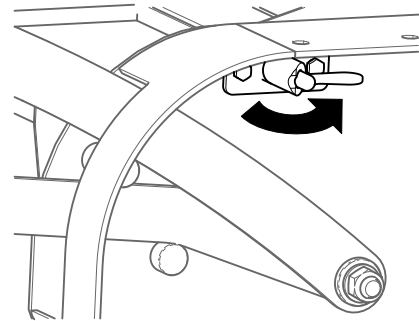


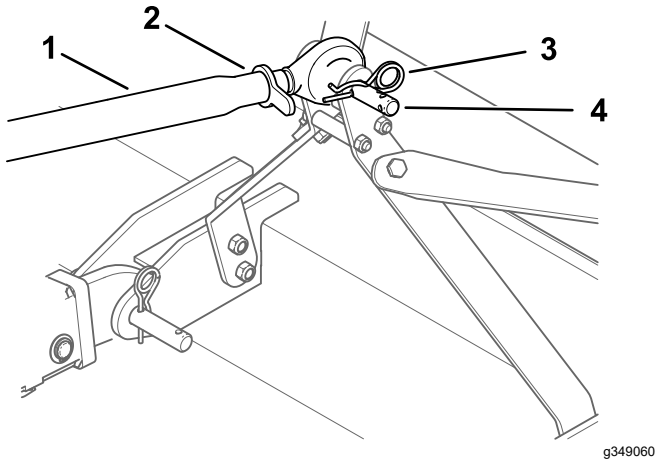
Figure 13

g349108

**Note:** Dispose of waste according to local and federal regulations.

# Removing the Attachment

1. Park the machine on a level surface, engage the parking brake, shut off the engine, and remove the key from the traction unit.
2. Lower the attachment to the ground.
3. Secure the attachment from movement.
4. Loosen the upper link jam nut and rotate the upper link.



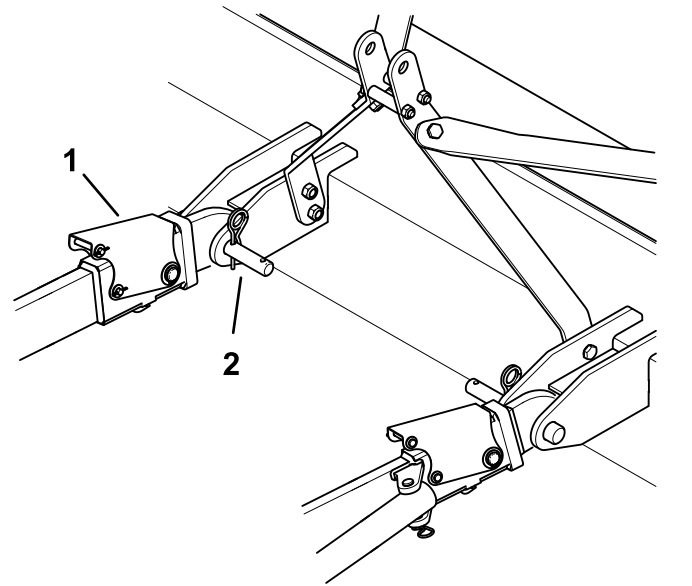
**Figure 14**

- |               |                   |
|---------------|-------------------|
| 1. Upper link | 3. Hairpin cotter |
| 2. Jam nut    | 4. Link pin       |

5. Remove the upper link.

6. Remove the lower link arms.

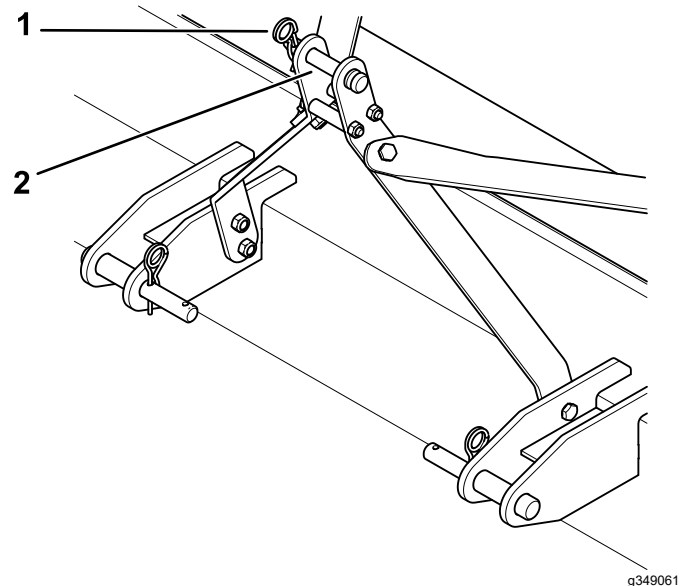
**Important:** Ensure that the attachment does not slide off the traction unit and cannot roll away.



**Figure 15**

- |                       |                                     |
|-----------------------|-------------------------------------|
| 1. Lower link arm (2) | 2. Hitch pin and hairpin cotter (2) |
|-----------------------|-------------------------------------|

7. Start the traction unit and drive it away from the attachment.
8. Install the hitch pins to the attachment and secure them with the hairpin cotters.



**Figure 16**

- |                       |                  |
|-----------------------|------------------|
| 1. Hairpin cotter (3) | 2. Hitch pin (3) |
|-----------------------|------------------|

**Important:** When storing the attachment, do not allow the brush to touch the ground or other objects to avoid bending the bristles.

# Maintenance

## ⚠ CAUTION

If you leave the key in the switch, someone could accidentally start the engine and seriously injure you or bystanders.

Remove the key from the traction unit switch before you perform any maintenance.

## Recommended Maintenance Schedule(s)

Maintenance Service Interval	Maintenance Procedure
After the first 20 hours	<ul style="list-style-type: none"><li>• Check the roller bearings and driveline; replace worn components.</li></ul>
Every 100 hours or yearly, whichever comes first	<ul style="list-style-type: none"><li>• Grease the attachment.</li><li>• Check the roller bearings and driveline; replace worn components.</li><li>• Check the condition of the brush; replace the brush if worn.</li><li>• Check the drive chain tension for the sieve.</li></ul>

## Maintenance Safety

- Before adjusting, cleaning, servicing, or leaving the machine, do the following:
  - Position the machine on a level surface.
  - Move the throttle switch to the low-idle position.
  - Disengage the PTO (if applicable).
  - Ensure that the traction is in neutral.
  - Engage the parking brake.
  - Shut off the engine of the traction unit and remove the key.
  - Wait for all moving parts to stop.
  - Allow machine components to cool before performing maintenance.
- Perform only those maintenance instructions described in this manual. If major repairs are ever needed or assistance is desired, contact an authorized Bullseye distributor.
- Ensure that the machine is in safe operating condition by keeping nuts, bolts, and screws tight.
- If possible, do not perform maintenance while the engine is running. Keep away from moving parts.
- Carefully release pressure from components with stored energy.
- Support the machine with blocks or storage stands when working beneath it. Never rely on the hydraulic system to support the machine.
- Never crawl under the attachment. If necessary, tilt the attachment.
- Ensure that all guards are installed and secured after maintaining or adjusting the machine.
- To ensure safe, optimal performance of the machine, use only genuine Bullseye replacement

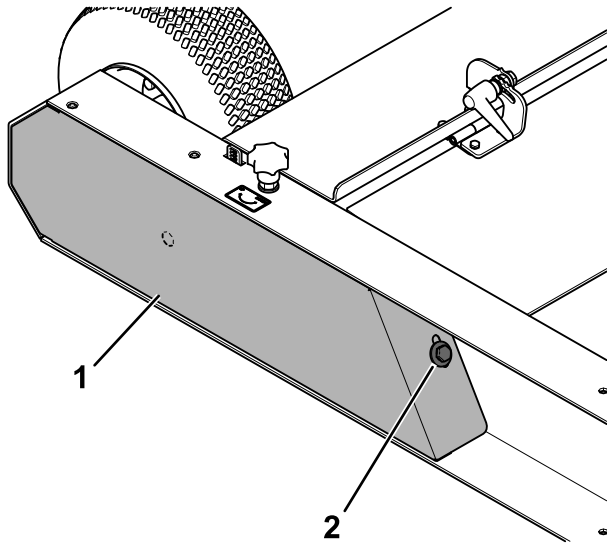
parts. Replacement parts made by other manufacturers could be dangerous, and such use could void the product warranty.

# Greasing the Attachment

**Service Interval:** Every 100 hours or yearly, whichever comes first

The attachment has grease fittings that you must lubricate regularly with No. 2 lithium grease. Also, lubricate the attachment immediately after every washing and after long periods without use.

1. Remove the bolt and washer securing the chain cover. Remove the cover.

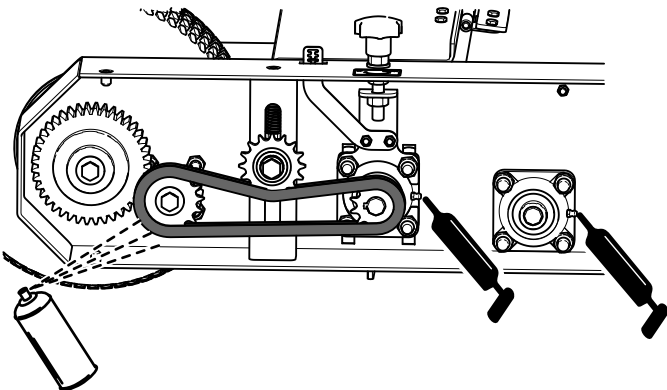


g349262

**Figure 17**  
Left side shown

1. Chain cover
2. Bolt and washer

2. Grease the roller bearing and the sieve bearing.



g349261

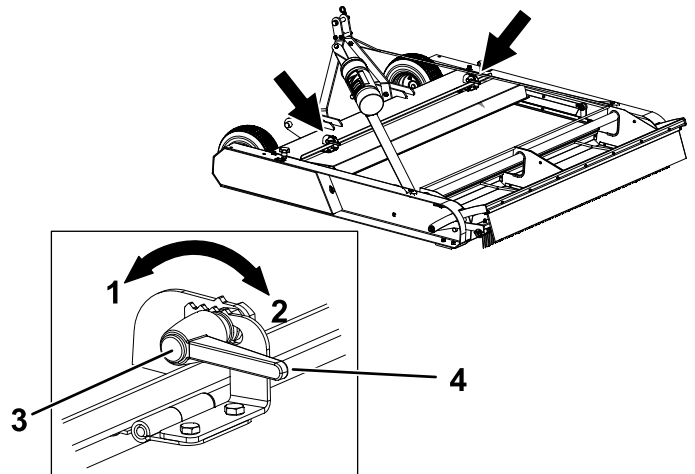
**Figure 18**

3. Wipe up any excess grease.
4. Lubricate the chain using chain lubricant.
5. Install the chain guard as shown in [Figure 17](#).
6. Repeat the procedure for the opposite side of the attachment.

# Adjusting the Guard Plate

Adjust the guard plate to change the material flow across the sieve. Lower the guard plate to allow more infill material to fall onto the field.

1. Park the machine on a level surface.
2. Engage the parking brake, shut off the engine, and remove the key from the towing vehicle.
3. Secure the attachment from movement.
4. On each side of the guard plate, simultaneously press the button and turn the lever counterclockwise to loosen the cover.

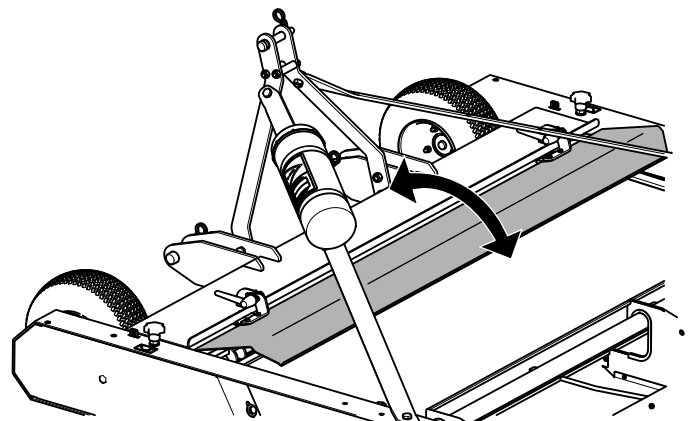


g349252

**Figure 19**

1. Loosen the guard plate.
2. Secure the guard plate.
3. Button
4. Lever

5. Adjust the guard plate to the desired position equally on both sides.



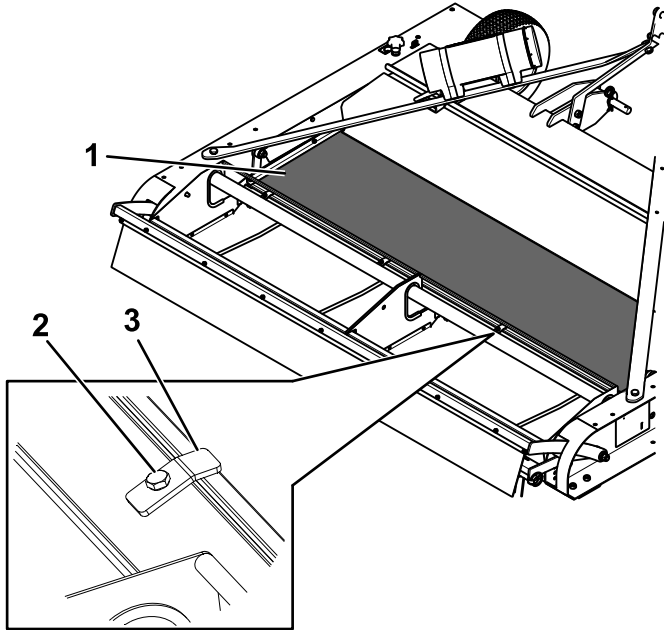
g349253

**Figure 20**

6. On each side of the guard plate, simultaneously press the button and turn the lever clockwise to secure the cover as shown in [Figure 19](#).

# Changing the Vibration Sieve

1. Park the machine on a level surface.
2. Engage the parking brake, shut off the engine, and remove the key from the towing vehicle.
3. Secure the attachment from movement.
4. Remove the debris bins as described in [Emptying the Debris Bins \(page 12\)](#).
5. Loosen the bolts for the lock plates 1 turn.

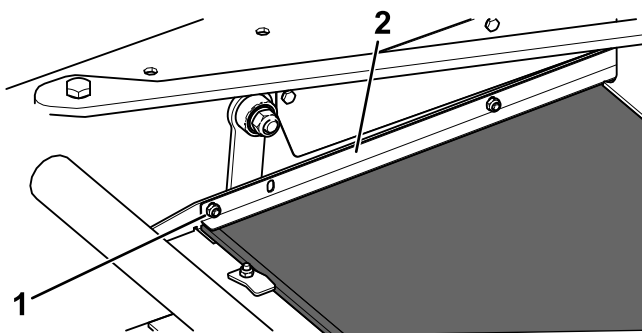


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**Figure 21**

1. Sieve
2. Bolt (4)
3. Lock plate (4)

6. Rotate the lock plates to release the sieve.
7. Loosen the side plate bolts 1 turn.



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**Figure 22**

1. Bolt (2)
2. Side plate (2)

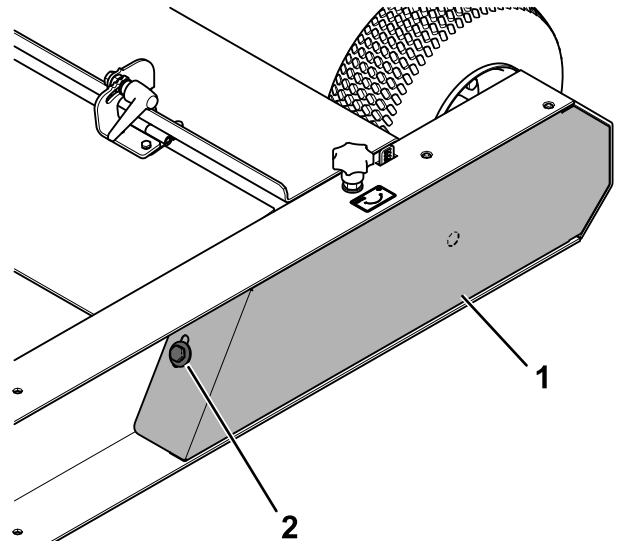
8. Move the side plates upward.
9. Remove the existing sieve and install a new sieve.

10. Lower the side plates and tighten the bolts..
11. Tighten the bolts.
12. Rotate the lock plates and tighten the bolts.
13. Install the dirt bin and close the retaining lock.

## Adjusting the Sieve Drive Chain Tension

**Service Interval:** Every 100 hours or yearly, whichever comes first

1. Park the machine on a level surface.
2. Engage the parking brake, shut off the engine, and remove the key from the towing vehicle.
3. Secure the attachment from movement.
4. Remove the bolt and washer securing the chain cover. Remove the cover.

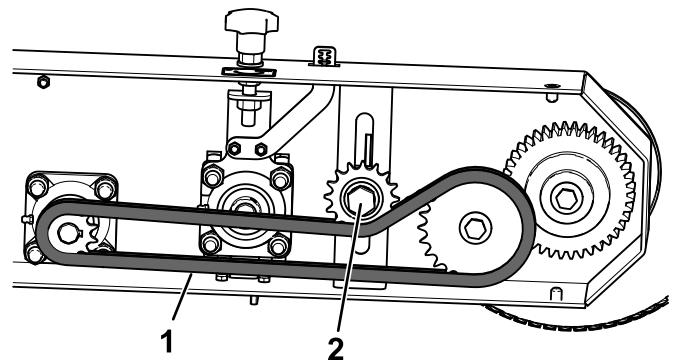


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**Figure 23**

1. Chain cover
2. Bolt and washer

5. Loosen the bolt for the tension pulley



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**Figure 24**

1. Tension pulley bolt
2. Drive chain



6. Lower the pulley to increase the tension on the chain until the chain is tight.
7. Tighten the bolt.
8. Install the chain cover as shown in [Figure 23](#).

# Storage

## Storage Safety

- Before adjusting, cleaning, storing, or repairing the machine, park the it on a level surface; engage the parking brake of the traction unit; shut off the engine; remove the key; and wait for all movement to stop before leaving the traction unit.
- Store the machine on the storage stands positioned on a firm, level surface so that it does not sink or tip over.
- Store the machine away from areas of human activity.
- Do not allow children to play on or around the stored machine.

## Preparing the Machine for Storage

***Important:*** Do not use brackish or reclaimed water to clean the machine.

When the machine is stored for a long period, do the following procedure:

1. Clean off any dirt or grease that may have accumulated on the machine or any of the moving parts.
2. Lubricate all grease fittings.
3. Touch up any scratches on the painted surfaces.
4. Replace any missing or damaged decals.
5. Store the machine inside a dry, secure building. Inside storage reduces maintenance, gives a longer working life, and increases the residual value of the machine. If inside storage is not available, cover the machine with a heavy sheet or tarpaulin and secure it tightly.

***Important:*** When storing the attachment, do not allow the brush to touch the ground or other objects to avoid bending the bristles.

# Troubleshooting

Problem	Possible Cause	Corrective Action
Infill material is collecting in the debris bin.	<ol style="list-style-type: none"> <li>1. The working depth is too deep.</li> <li>2. The vibrating sieve is clogged.</li> <li>3. The field is too wet.</li> <li>4. The mesh of the vibrating sieve is too small.</li> </ol>	<ol style="list-style-type: none"> <li>1. Decrease the working depth</li> <li>2. Clean the vibrating sieve.</li> <li>3. Wait for the field to dry.</li> <li>4. Use a sieve with a larger mesh.</li> </ol>
The attachment does not clean enough material.	<ol style="list-style-type: none"> <li>1. The working depth is too shallow.</li> <li>2. The mesh of the jiggling sieve is too large.</li> <li>3. A brush is worn.</li> </ol>	<ol style="list-style-type: none"> <li>1. Increase the working depth.</li> <li>2. Use a sieve with a smaller mesh.</li> <li>3. Replace the brush.</li> </ol>
A drive wheel skids.	<ol style="list-style-type: none"> <li>1. The tire is overinflated.</li> <li>2. The bearings are stuck.</li> <li>3. The field is too wet.</li> <li>4. The working depth is too deep.</li> </ol>	<ol style="list-style-type: none"> <li>1. Release air from the tire.</li> <li>2. Loosen or replace the bearings.</li> <li>3. Wait for the field to dry.</li> <li>4. Decrease the working depth</li> </ol>
The sieve does not move.	<ol style="list-style-type: none"> <li>1. The vibrating screen is not positioned correctly on the machine.</li> <li>2. The drive chain is broken.</li> </ol>	<ol style="list-style-type: none"> <li>1. Position the sieve correctly.</li> <li>2. Repair or replace the drive chain.</li> </ol>
The appearance of the field is poor.	<ol style="list-style-type: none"> <li>1. The working depth is too deep.</li> </ol>	<ol style="list-style-type: none"> <li>1. Decrease the working depth.</li> </ol>
There are crackling sounds during operation.	<ol style="list-style-type: none"> <li>1. The bearings are worn out.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace the bearings.</li> </ol>
The machine creates too many divots in the field.	<ol style="list-style-type: none"> <li>1. The working depth is too deep.</li> </ol>	<ol style="list-style-type: none"> <li>1. Decrease the working depth.</li> </ol>

# California Proposition 65 Warning Information

## What is this warning?

You may see a product for sale that has a warning label like the following:



**WARNING: Cancer and Reproductive Harm—[www.p65Warnings.ca.gov](http://www.p65Warnings.ca.gov).**

## What is Prop 65?

Prop 65 applies to any company operating in California, selling products in California, or manufacturing products that may be sold in or brought into California. It mandates that the Governor of California maintain and publish a list of chemicals known to cause cancer, birth defects, and/or other reproductive harm. The list, which is updated annually, includes hundreds of chemicals found in many everyday items. The purpose of Prop 65 is to inform the public about exposure to these chemicals.

Prop 65 does not ban the sale of products containing these chemicals but instead requires warnings on any product, product packaging, or literature with the product. Moreover, a Prop 65 warning does not mean that a product is in violation of any product safety standards or requirements. In fact, the California government has clarified that a Prop 65 warning "is not the same as a regulatory decision that a product is 'safe' or 'unsafe.'" Many of these chemicals have been used in everyday products for years without documented harm. For more information, go to <https://oag.ca.gov/prop65/faqs-view-all>.

A Prop 65 warning means that a company has either (1) evaluated the exposure and has concluded that it exceeds the "no significant risk level"; or (2) has chosen to provide a warning based on its understanding about the presence of a listed chemical without attempting to evaluate the exposure.

## Does this law apply everywhere?

Prop 65 warnings are required under California law only. These warnings are seen throughout California in a wide range of settings, including but not limited to restaurants, grocery stores, hotels, schools, and hospitals, and on a wide variety of products. Additionally, some online and mail order retailers provide Prop 65 warnings on their websites or in catalogs.

## How do the California warnings compare to federal limits?

Prop 65 standards are often more stringent than federal and international standards. There are various substances that require a Prop 65 warning at levels that are far lower than federal action limits. For example, the Prop 65 standard for warnings for lead is 0.5 µg/day, which is well below the federal and international standards.

## Why don't all similar products carry the warning?

- Products sold in California require Prop 65 labelling while similar products sold elsewhere do not.
- A company involved in a Prop 65 lawsuit reaching a settlement may be required to use Prop 65 warnings for its products, but other companies making similar products may have no such requirement.
- The enforcement of Prop 65 is inconsistent.
- Companies may elect not to provide warnings because they conclude that they are not required to do so under Prop 65; a lack of warnings for a product does not mean that the product is free of listed chemicals at similar levels.

## Why do we include this warning?

Our company has chosen to provide consumers with as much information as possible so that they can make informed decisions about the products they buy and use. We provide warnings in certain cases based on its knowledge of the presence of one or more listed chemicals without evaluating the level of exposure, as not all the listed chemicals provide exposure limit requirements. While the exposure from our products may be negligible or well within the "no significant risk" range, out of an abundance of caution, we have elected to provide the Prop 65 warnings. Moreover, if we do not provide these warnings, it could be sued by the State of California or by private parties seeking to enforce Prop 65 and subject to substantial penalties.



## Warranty Statement

### One-Year Limited Warranty

#### Conditions and Products Covered

Your Bullseye product ("Product") is warranted to be free from defects in materials or workmanship for 1 year. Where a warrantable condition exists, we will repair the Product at no cost to you including diagnostics, labor, parts, and transportation. This warranty begins on the date the Product is delivered to the original retail purchaser.

#### Instructions for Obtaining Warranty Service

You are responsible for notifying the distributor or authorized dealer from whom you purchased the Product as soon as you believe a warrantable condition exists. If you need help locating a distributor or authorized dealer, or if you have questions regarding your warranty rights or responsibilities, you may contact us at:

Bullseye Commercial Products Service Department  
8111 Lyndale Avenue South  
Bloomington, MN 55420-1196  
  
952-888-8801 or 800-952-2740

#### Items and Conditions Not Covered

Not all product failures or malfunctions that occur during the warranty period are defects in materials or workmanship. This warranty does not cover the following:

- Product failures which result from the use of non-Bullseye replacement parts, or from installation and use of non-Bullseye branded accessories and products, or unapproved modifications to the Product, accessory, or replacement part.
- Product failures which result from failure to perform recommended maintenance and/or adjustments.
- Product failures which result from misusing the Product or using it in an abusive, negligent, or reckless manner.
- Parts consumed through use that are not defective. Examples of parts which are consumed, or used up, during normal Product operation include, but are not limited to, blades, reels, rollers and bearings (sealed or greasable), bed knives, spark plugs, castor wheels and bearings, tires, filters, belts, and discs, seed element castings, rotors, brushes, scrapers, fraze blades, rake tines, PTO's, and draw bars.
- Failures caused by outside influence, including, but not limited to, weather, natural disaster, storage practices, contamination, use of unapproved fuels, coolants, lubricants, additives, fertilizers, water, or chemicals.
- Failure or performance issues due to the use of fuels (e.g. gasoline, diesel, or biodiesel) that do not conform to their respective industry standards.
- Normal noise, vibration, wear and tear, and deterioration. Normal "wear and tear" includes, but is not limited to, damage to seats due to wear or abrasion, worn painted surfaces, scratched decals or windows.

#### Parts

Parts scheduled for replacement, as required maintenance, are covered for the same warranty period as the product warranty. Parts replaced under this warranty are covered for the duration of the original product warranty. Bullseye may retain all parts being replaced. Bullseye will make the final decision whether to repair any existing part or assembly or replace it. Bullseye may use remanufactured parts for warranty repairs.

#### Maintenance is at Owner's Expense

Engine tune-up, lubrication, cleaning and polishing, replacement of filters, coolant, and completing recommended maintenance are some of the normal services Bullseye products require that are at the owner's expense.

#### General Conditions

Repair by an Authorized Distributor or Dealer is your sole remedy under this warranty.

**Neither Bullseye, nor any company involved in the manufacture, distribution, or sale of a Bullseye product shall be liable for indirect, incidental or consequential damages arising out of or related to the sale or use of the Product, including any cost or expense of providing substitute equipment or service during reasonable periods of malfunction or non-use pending completion of repairs under this warranty. Except for the emissions warranty referenced below, if applicable, there is no other express or implied warranty.**

Some states do not allow exclusions of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions and limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

#### Note Regarding Emissions Warranty

The emissions control system on your Product may be covered by a separate warranty from the engine manufacturer, meeting requirements established by the U.S. Environmental Protection Agency (EPA) and/or the California Air Resources Board (CARB). The hour limitations set forth above do not apply to the emissions control system warranty. Refer to the engine emission control warranty statement supplied with your product or contained in the engine manufacturer's documentation.