

Count on it.

Operator's Manual

8-Blade or 11-Blade DPA Cutting Unit

Reelmaster® 6000-D Series Traction Unit

Model No. 03698—Serial No. 404800001 and Up Model No. 03699—Serial No. 404800001 and Up



This product complies with all relevant European directives. For details, please see the Declaration of Incorporation (DOI) at the back of this publication.

Introduction

This cutting unit is designed for cutting grass on well-maintained lawns in golf courses, parks, sports fields, and on commercial grounds. 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 for product safety and operation training materials, accessory information, help finding a dealer, or to register your product.

Whenever you need service, genuine Toro parts, or additional information, contact an Authorized Service Dealer or Toro 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.

Important: With your mobile device, you can scan the QR code on the serial number plate (if equipped) to access warranty, parts, and other product information.

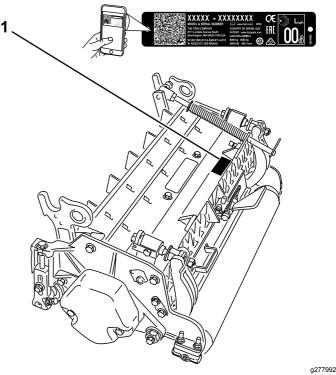


Figure 1

1. Model and serial number location

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.



g000502

Figure 2
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.

Contents

Safety	3
General Safety	
Cutting Unit Safety	
Blade Safety	
Safety and Instructional Decals	4
Setup	
1 Removing the Tipper Assemblies	
2 Mounting the Lift Brackets and Chains	
3 Adjusting the Cutting Unit	
4 Mounting the Counterweights	
5 Installing the Cutting Units	8
Product Overview	
Specifications	
Attachments/Accessories	
Operation	
Adjusting the Cutting Unit	
Adjusting the Height of Cut (HOC)	
Height-of-Cut Chart Terms	
Maintenance	
Using the Kickstand when Tipping the	
Cutting Unit	18
Lubricating the Cutting Unit	
Adjusting the Reel Bearings	
Servicing the Bedknife	
Servicing the Bedbar	
Servicing the HD Dual Point Adjusters	21
(DPA)	23
Servicing the Roller	
Servicing the Roller	∠5

Safety

This machine has been designed in accordance with EN ISO 5395 and ANSI B71.4–2017.

General Safety

This product is capable of amputating hands and feet. Always follow all safety instructions to avoid serious personal injury.

- Read and understand the contents of this Operator's Manual before starting the machine.
- 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 functioning properly on the machine.
- Keep clear of any discharge opening.
- Keep bystanders and children out of the operating area. Never allow children to operate the machine.
- Before you leave the operator's position, do the following:
 - Park the machine on a level surface.
 - Lower the cutting unit(s).
 - Disengage the drives.
 - Engage the parking brake (if equipped).
 - Shut off the engine and remove the key.
 - Wait for all movement to stop.

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 A, which means Caution, Warning, or Danger—personal safety instruction. Failure to comply with these instructions may result in personal injury or death.

Cutting Unit Safety

- The cutting unit is only a complete machine when installed on a traction unit. Read the traction unit Operator's Manual carefully for complete instructions on the safe use of the machine.
- Stop the machine, remove the key (if equipped), and wait for all movement to stop before inspecting the attachment after striking an object or if there is an abnormal vibration in the machine. Make all necessary repairs before resuming operation.

- Keep all parts in good working condition and all hardware tightened. Replace all worn or damaged decals.
- Use only accessories, attachments, and replacement parts approved by Toro.

Blade Safety

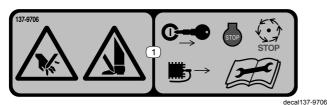
A worn or damaged blade can break, and a piece of the blade could be thrown toward you or bystanders, resulting in serious personal injury or death.

- Inspect the blade periodically for wear or damage.
- Use care when checking the blades. Wrap the blades or wear gloves, and use caution when servicing the blades. Only replace or sharpen the blades; never straighten or weld them.
- On multi-bladed machines, take care as rotating 1 blade can cause other blades to rotate.

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.



137-9706

 Cutting hazard of the hand or foot—shut off the engine, remove the key or disconnect the spark plug, wait for all moving parts to stop, and read the *Operator's Manual* before performing maintenance.

Setup

Loose Parts

Use the chart below to verify that all parts have been shipped.

Procedure	Description	Qty.	Use
1	No parts required	_	Remove the tipper assemblies.
2	Lift chain Chain bracket U-bolt Nut Screw Washer Nut	5/7 5/7 5/7 10/14 5/7 5/7	Mount the lift brackets and chains.
3	No parts required	_	Adjust the cutting unit
4	No parts required	_	Mount the counterweights.
5	Large O-ring Screw	5/7 2	Install the cutting units.

Media and Additional Parts

Description	Qty.	Use
Operator's Manual	1	
Parts Catalog (not included)—refer to the included postcard for information on obtaining the Parts Catalog	_	Review the material and save it in an appropriate place.

Note: Determine the left and right sides of the machine from the normal operating position.



Removing the Tipper Assemblies

No Parts Required

Procedure

Remove the tipper assemblies (if so equipped) from the number 1, number 2, and number 3 lift arms to avoid interference with the carrier frames of the cutting units.

 Remove the locknut and the washer securing the pivot rod to the number 2 lift arm (Figure 3). Remove the pivot rod and spring from the lift arm. Repeat the procedure on the number 1 and number 3 lift arms.

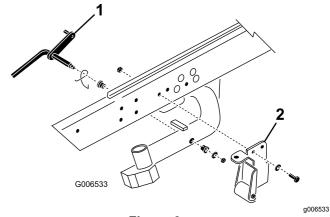


Figure 3

1. Pivot rod

2. Tipper support bracket w/roller

Note: The tipper bracket with the roller and the tipper support brackets are not required when operating the DPA cutting units (Figure 3).

2. Disconnect the lift chains from the cutting units, if attached.



Mounting the Lift Brackets and Chains

Parts needed for this procedure:

5/7	Lift chain
5/7	Chain bracket
5/7	U-bolt
10/14	Nut
5/7	Screw
5/7	Washer
5/7	Nut

Procedure

Mount a chain bracket to each lift arm with a U-bolt and 2 nuts. Position the brackets as follows:

Note: Refer to Figure 4 to determine the lift arm number being described.

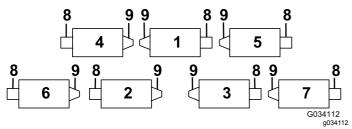


Figure 4

- 1. Cutting unit 1
- 2. Cutting unit 2
- 3. Cutting unit 3
- 4. Cutting unit 4
- 5. Cutting unit 5
- 6. Cutting unit 6
- 7. Cutting unit 7
- 8. Reel motor
- 9. Weight
- 1. On lift arm numbers 1, 4, and 5, position the chain brackets and U-bolts 38.1 cm (15 inches) behind the center line of the pivot knuckle (Figure 5).
- 2. On lift arm numbers 1 and 5 the brackets should be rotated to the right 10 degrees from vertical (Figure 5).
- On lift arm number 4 the bracket should be rotated to the left 10 degrees from vertical (Figure 5).

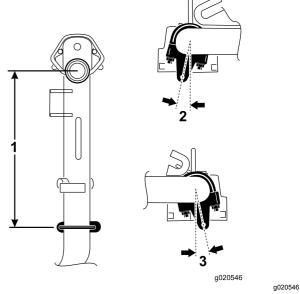


Figure 5

- 1. Lift arm number 5 = 38.1 cm (15 inches)
- 2. Lift arm number 4 = 10 degrees
- 3. Lift arm numbers 1 and 5 = 10 degrees
- 4. On lift arm numbers 2 and 3, position the brackets and U-bolts 38.1 cm (15 inches) behind the center line of the pivot knuckle (Figure 6).

Note: Rotate the brackets 45 degrees to the outboard side of the machine.

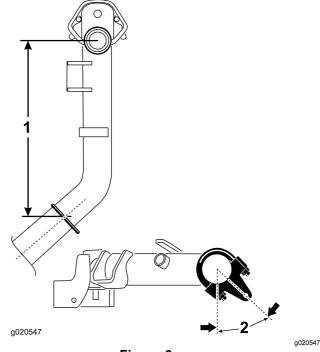


Figure 6

- Lift arm number
 2 = 38.1 cm
 (15 inches)
- 2. Lift arm number 3 = 45 degrees

5. On lift arm number 6 and number 7, position the brackets and U-bolts 36.8 cm (14.5 inches) behind the center line of the pivot knuckle (Figure 7).

Note: Rotate the brackets 10 degrees to the outboard side of the machine.

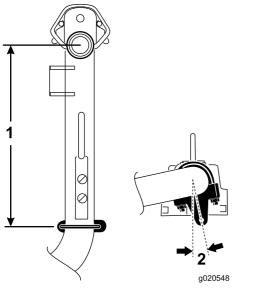


Figure 7

- 1. Lift arm number 6 = 36.8 cm (14.5 inches)
- 2. Lift arm number 7 = 10 degrees
- Tighten all the U-bolt nuts to 52 to 65 N⋅m (38 to 48 ft-lb).
- Mount a lift chain to each chain bracket with a screw, a washer, and a nut, positioning them as shown in Figure 8.

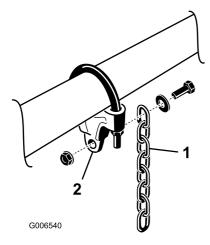


Figure 8

- 1. Lift chain
- 2. Chain bracket

3

Adjusting the Cutting Unit

No Parts Required

Procedure

- 1. Adjust the bedknife to the reel.
- Adjust the rear roller for your height-of-cut requirements.
- 3. Set the height of cut.
- 4. Adjust the rear shield if necessary.

Refer to Adjusting the Cutting Unit (page 10) for complete instructions for performing these adjustments.



a020548

Mounting the Counterweights

No Parts Required

Procedure

All cutting units are shipped with the counterweight mounted to the left end of the cutting unit. Use the following diagram to determine the position of the counterweights and reel motors.

Note: Some traction units have only 5 cutting units.

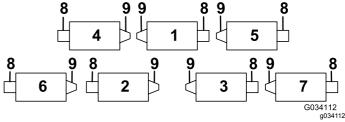


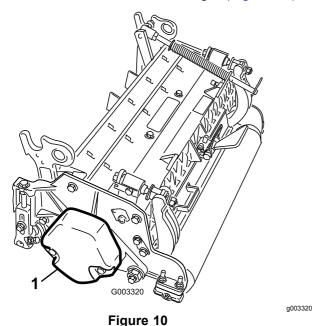
Figure 9

- 1. Cutting unit 1
- 2. Cutting unit 2
- Cutting unit 3
- 4. Cutting unit 4
- 5. Cutting unit 5
- 6. Cutting unit 6
- 7. Cutting unit 7
- 8. Reel motor
- 9. Weight

a006540

1. On cutting unit numbers 2, 4, and 6, remove the 2 cap screws securing the counterweight to the left end of the cutting unit.

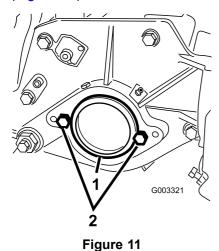
Note: Remove the counterweight (Figure 10).



- 1. Counterweight
- 2. On the right end of the cutting unit, remove the plastic plug from the bearing housing (Figure 11).

Note: You may discard the plastic plug.

3. Remove the 2 cap screws from the right side plate (Figure 11).



- 1. Plastic plug
- 2. Cap screw (2)
- Install the counterweight to the right end of the cutting unit with the 2 screws previously removed.

5. Loosely install the 2 reel motor mounting cap screws to the left side plate of the cutting unit (Figure 11).



Installing the Cutting Units

Parts needed for this procedure:

5/7	Large O-ring
2	Screw

Procedure

1. Insert a thrust washer onto the horizontal shaft of the pivot knuckle as shown in Figure 12.

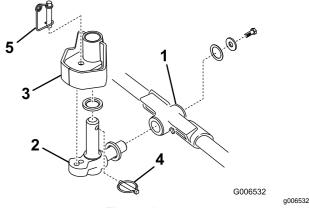
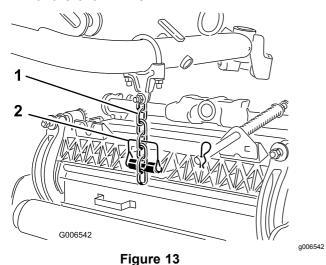


Figure 12

- 1. Carrier frame
- 2. Pivot knuckle
- 3. Lift-arm steering plate
- 4. Lynch pin
- 5. Steering locking pin
- 2. Insert the horizontal shaft of the pivot knuckle into the mounting tube of the carrier frame (Figure 12).
- 3. Secure pivot knuckle to carrier frame with a thrust washer, a flat washer, and a flange-head cap screw (Figure 12).
- 4. Insert a thrust washer onto the vertical shaft of the pivot knuckle (Figure 12).
- 5. If removed, insert the vertical shaft of the pivot knuckle into the lift-arm pivot hub (Figure 12).
- Guide the pivot knuckle in place between the 2 rubber centering bumpers in the underside of the lift-arm steering plate.
- 7. Insert the lynch pin into the cross hole on the pivot-knuckle shaft (Figure 12).

g003321

- 8. Secure the lift arm chain to the cutting unit chain bracket (Figure 13) with the snapper pin as follows:
 - On cutting unit numbers 1, 4, 5, 6, and 7, use only 6 of the chain links.
 - On cutting unit numbers 2 and 3, use all 7 of the chain links.



- 1. Lift chain
- 2. Snapper pin
- 9. Coat the spline of the reel motor with clean grease.
- 10. Oil the reel motor O-ring and install it onto the motor flange.
- Install the motor by rotating it clockwise so that the motor flanges clear the cap screws (Figure 14).
- 12. Rotate the motor counterclockwise until the flanges encircle the cap screws and then tighten the cap screws.

Important: Make sure that the reel motor hoses are not twisted, kinked, or at risk of being pinched.

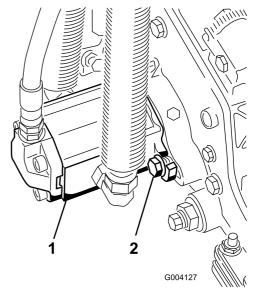


Figure 14

1. Reel motor

2. Cap screw

g004127

Note: If a fixed cutting unit position is required, insert the steering locking pin into the pivot knuckle mounting hole (Figure 12).

13. Hook the spring wire around the bottom of the steering locking pin (Figure 12).

Product Overview

Specifications

Model Number	Weight
03698	67 kg (147 lb)
03699	69 kg (151 lb)

Attachments/Accessories

A selection of Toro approved attachments and accessories is available for use with the machine to enhance and expand its capabilities. Contact your Authorized Service Dealer or authorized Toro distributor or go to www.Toro.com for a list of all approved attachments and accessories.

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

Operation

Refer to your traction unit *Operator's Manual* for detailed operation instructions. Before using the cutting unit each day, adjust the bedknife; refer to Adjusting the Bedknife to the Reel (page 11). Test the quality of cut by cutting a test swath before using the cutting unit to ensure that the finished cut is correct.

Adjusting the Cutting Unit

Adjusting the Rear Shield

Under most conditions, you can attain the best clipping dispersion when the rear shield is closed (front discharge). When conditions are heavy or wet, you may open the rear shield.

To open the rear shield (Figure 15), loosen the bolt securing the shield to the left side plate, rotate the shield to the open position, and tighten the bolt.

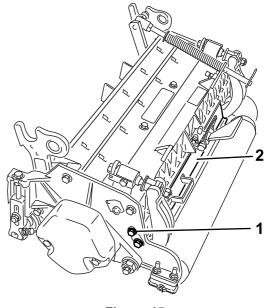


Figure 15

1. Bolt

2. Rear shield

g302128

Checking the Cutting Unit

The dual knob bedknife-to-reel adjustment system incorporated in this cutting unit simplifies the adjustment procedure needed to deliver optimum mowing performance. The precise adjustment possible with the dual knob/bedbar design gives the necessary control to provide a continual self-sharpening action-thus maintaining sharp cutting edges, ensuring good quality of cut, and greatly reducing the need for routine backlapping.

Prior to mowing each day, or as required, check each cutting unit to verify proper bedknife-to-reel contact.

Perform this procedure even when the quality of cut is acceptable.

1. Slowly rotate the reel in a reverse direction, listening for reel-to-bedknife contact.

Note: The adjustment knobs have detents corresponding to 0.022 mm (0.0009 inch) bedknife movement for each indexed position. Refer to Adjusting the Bedknife to the Reel (page 11).

 Test the cutting performance by inserting a long strip of cutting performance paper (Toro Part No. 125-5610) between the reel and the bedknife, perpendicular to the bedknife (Figure 16). Slowly rotate the reel forward; it should cut the paper.

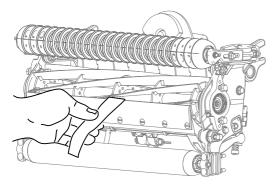


Figure 16

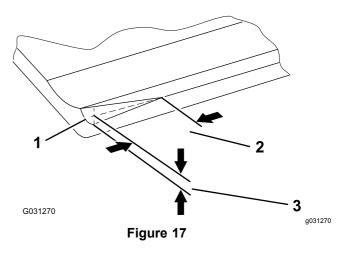
g027166 g027166

Note: If excessive contact/reel drag is evident, either backlap, reface the front of the bedknife, or grind the cutting unit to achieve the sharp edges needed for precision cutting; refer to the *Toro Manual for Sharpening Reel and Rotary Mowers*, Form No. 09168SL.

Important: Light contact is preferred at all times. If you do not maintain light contact, the bedknife and reel edges will not sufficiently self-sharpen and will dull after a period of operation. If you maintain excessive contact, the bedknife and reel will wear more quickly and unevenly, and the quality of cut may be adversely affected.

Note: After extended running, a ridge will eventually develop at both ends of the bedknife. Round off or file these notches flush with the cutting edge of the bedknife to ensure smooth operation.

Note: Over time, you will need to grind the chamfer (Figure 17), as it is only designed to last 40% of the bedknife life.



- Lead-in chamfer on right 3. 1.5 mn end of bedknife
- 3. 1.5 mm (0.060 inch)
- 2. 6 mm (0.25 inch)

Note: Do not make the lead-in chamfer too large as it may cause turf tufting.

Adjusting the Bedknife to the Reel

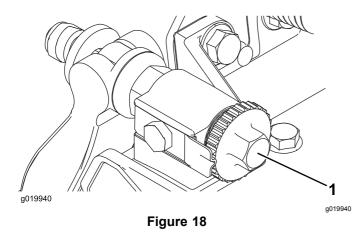
Use this procedure to set the bedknife to the reel and to check the condition of the reel and bedknife and their interaction. After completing this procedure, always test the cutting unit performance under your field conditions. You may need to make further adjustments to obtain optimal cutting performance.

Important: Do not overtighten the bedknife to the reel or you will damage it.

- After backlapping the cutting unit or grinding the reel, you may need to mow with the cutting unit for a few minutes and then perform this procedure to adjust the bedknife to the reel as the reel and bedknife adjust to each other.
- You may need additional adjustments if the turf is extremely dense or your cutting height is very low.

You will need the following tools to complete this procedure:

- Shim 0.05 mm (0.002 inch) (Part No. 125-5611)
- Cutting performance paper (Part No. 125-5610)
- 1. Position the cutting unit on a flat, level work surface.
- 2. Turn the bedbar-adjusting screws counterclockwise to ensure that the bedbar does not contact the reel (Figure 18).



- 1. Bedbar-adjusting screw
- 3. Tip the cutting unit to expose the bedknife and reel.

Important: Make sure that the nuts on the back end of the bedbar-adjusting screws are not resting on the work surface; use the kickstand (Figure 19).

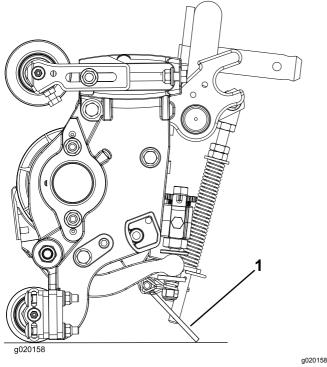


Figure 19

- 1. Kickstand
- Rotate the reel so that a blade crosses the bedknife approximately 25 mm (1 inch) in from the end of the bedknife on the right side of the cutting unit.

Note: Put an identifying mark on this blade to make subsequent adjustments easier.

- 5. Insert the 0.05 mm (0.002 inch) shim between the marked reel blade and the bedknife at the point where the blade crosses the bedknife.
- Turn the right bedbar adjuster clockwise until you feel **light** pressure (i.e. drag) on the shim, then back off the bedbar adjuster 2 clicks and remove the shim.

Note: Adjusting 1 side of the cutting unit affects the other side, the 2 clicks will provide clearance for when the other side is adjusted.

Note: If starting with a large gap, both sides should initially be drawn closer by alternately tightening the right and left sides.

- 7. **Slowly** rotate the reel so that the same blade that you checked on the right side is crossing the bedknife approximately 25 mm (1 inch) in from the end of the bedknife on the left side of the cutting unit.
- 8. Turn the left bedbar adjuster clockwise until the shim can be slid through the reel to bedknife gap with light drag.
- 9. Return to the right side and adjust as necessary to get light drag on the shim between the same blade and bedknife.
- Repeat steps 8 and 9 until the shim can be slid through both gaps with slight drag, but 1 click in on both sides prevents the shim from passing through on both sides.

Note: The bedknife is now parallel to the reel.

Note: This procedure should not be needed on daily adjustments, but should be done after grinding or disassembly.

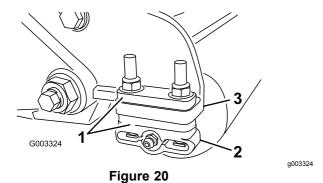
11. From this position (i.e., 1 click in and shim not passing through) turn the bedbar adjusters clockwise 1 click each.

Note: Each click turned moves the bedknife 0.022 mm (0.0009 inch). **Do not overtighten the adjusting screws.**

12. Test the cutting performance; refer to Checking the Cutting Unit (page 10).

Adjusting the Rear Roller

 Adjust the rear roller brackets (Figure 20) to the desired height-of-cut range by positioning the required amount of spacers below the side-plate mounting flange (Figure 20) per the HOC Chart.



1. Spacer

- 3. Side-plate mounting flange
- 2. Roller bracket
- 2. Raise the rear of the cutting unit and place a block under the bedknife.
- 3. Remove the 2 nuts securing each roller bracket and spacer to each side-plate mounting flange.
- 4. Lower the roller and screws from the side-plate mounting flanges and spacers.
- Place the spacers onto the screws on the roller brackets.
- 6. Secure the roller bracket and spacers to underside of side plate mounting flanges with the nuts previously removed.
- 7. Verify that the bedknife-to-reel contact is correct. Tip the mower to expose the front and rear rollers and bedknife.

Note: The position of the rear roller to the reel is controlled by the machining tolerances of the assembled components; therefore, paralleling is not required. A limited amount of adjustment is possible by setting the cutting unit on a surface plate and loosening the side-plate mounting cap screws (Figure 21). Adjust and tighten the cap screws. Torque the cap screws to 27 to 36 N·m (240 to 320 in-lb)..

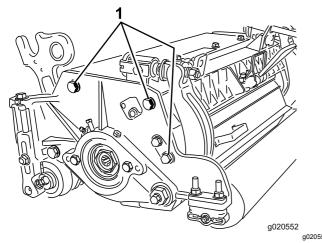


Figure 21

1. Side-plate mounting cap screws

Adjusting the Turf-Compensation Settings

The turf-compensation spring transfers the weight from the front to the rear roller. This helps to reduce a wave pattern in the turf, also known as marcelling or bobbing.

Important: Make spring adjustments with the cutting unit mounted to the traction unit, pointing straight ahead and lowered to the shop floor.

1. Make sure that the hairpin cotter is installed in the rear hole in the spring rod (Figure 22).

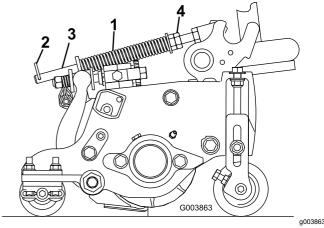


Figure 22

- 1. Turf-compensation spring
- Spring rod
- 2. Hairpin cotter
- 4. Hex nuts
- 2. Tighten the hex nuts on the front end of the spring rod until the compressed length of the spring is 15.9 cm (6.25 inches); refer to Figure 22.

Note: When operating on rough terrain decrease the spring length by 12.7 mm (0.5 inch). Ground following will be slightly shorter.

Note: You must reset the turf-compensation setting if the HOC setting or the aggressiveness-of-cut setting is changed.

Adjusting the Height of Cut (HOC)

Note: For heights of cut greater than 2.54 cm (1.00 inch) install the High Height-of-Cut Kit.

 Loosen the locknuts securing the height-of-cut arms to the cutting-unit side plates (Figure 23).

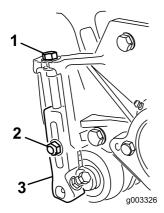
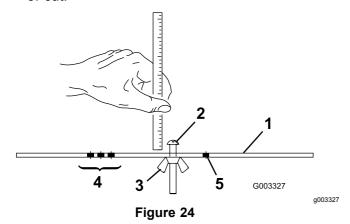


Figure 23

- 1. Adjusting screw
- 2. Locknut
- 3. Height-of-cut arm

a003326

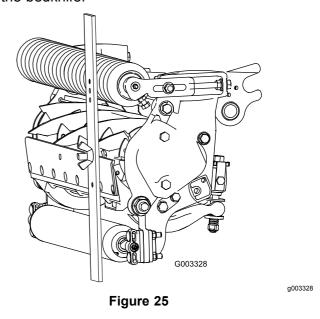
Loosen the nut on the gauge bar (Figure 24) and set the adjusting screw to the desired height of cut.



- 1. Gauge bar
- 4. Holes used for setting Groomer HOC
- 2. Height-adjusting screw
- 3. Nut

- 5. Hole not used
- Measure the distance between the bottom of the screw head and the face of the bar to get the height of cut.
- Hook the screw head on the cutting edge of the bedknife and rest the rear end of the bar on the rear roller (Figure 25).
- Rotate the adjusting screw until the front roller contacts the gauge bar (Figure 25). Adjust both

ends of roller until the entire roller is parallel to the bedknife.



Important: When set properly, the rear and front rollers will contact the gauge bar and the screw will be snug against the bedknife. This ensures that the height of cut is identical at both ends of the bedknife.

6. Tighten the nuts to secure the adjustment.

Note: Do not overtighten the nuts. Tighten them just enough to remove play from the washer.

Height-of-Cut Chart

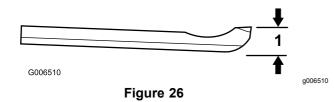
0.64 cm (0.250 inches) 0.95 cm (0.375 inches) 1.27 cm (0.500 inches) 1.56 cm (0.625 inches) 1.91 cm (0.750 inches) 2.22 cm (0.875 inches) 2.54 cm (1.000 inches) 2.86 cm (1.125 inches) 3.18 cm (1.250 inches)*+	Less Normal More	0 0 1 0 1 2 0 1 2 1 2 3 2 3 4 2 3 4	Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y
1.27 cm (0.500 inches) 1.56 cm (0.625 inches) 1.91 cm (0.750 inches) 2.22 cm (0.875 inches) 2.54 cm (1.000 inches) 2.86 cm (1.125 inches) 3.18 cm (1.250 inches)*+	More Less Normal	1 0 1 2 0 1 2 1 2 3 2 3 4 2 3 4 2 3	- Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y
1.27 cm (0.500 inches) 1.56 cm (0.625 inches) 1.91 cm (0.750 inches) 2.22 cm (0.875 inches) 2.54 cm (1.000 inches) 2.86 cm (1.125 inches) 3.18 cm (1.250 inches)*+	Less Normal More Less Normal	0 1 2 0 1 2 1 2 3 2 3 4 2 3 4 2 3	Y
1.27 cm (0.500 inches) 1.56 cm (0.625 inches) 1.91 cm (0.750 inches) 2.22 cm (0.875 inches) 2.54 cm (1.000 inches) 2.86 cm (1.125 inches) 3.18 cm (1.250 inches)*+	Normal More Less Normal	1 2 0 1 2 1 2 3 3 4 2 2 3 4 4 3 3	Y
1.27 cm (0.500 inches) 1.56 cm (0.625 inches) 1.91 cm (0.750 inches) 2.22 cm (0.875 inches) 2.54 cm (1.000 inches) 2.86 cm (1.125 inches) 3.18 cm (1.250 inches)*+	Normal More Less Normal	2 0 1 2 1 2 3 2 3 4 2 3 4 2 3 4	- Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y
1.56 cm (0.625 inches) 1.91 cm (0.750 inches) 2.22 cm (0.875 inches) 2.54 cm (1.000 inches) 2.86 cm (1.125 inches) 3.18 cm (1.250 inches)*+	Less Normal More Less Normal	0 1 2 1 2 3 2 3 4 2 3 4 2 3 4	Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y
1.56 cm (0.625 inches) 1.91 cm (0.750 inches) 2.22 cm (0.875 inches) 2.54 cm (1.000 inches) 2.86 cm (1.125 inches) 3.18 cm (1.250 inches)*+	Less Normal More Less Normal	1 2 1 2 3 2 3 4 2 3 4 2 3 4	Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y
1.56 cm (0.625 inches) 1.91 cm (0.750 inches) 2.22 cm (0.875 inches) 2.54 cm (1.000 inches) 2.86 cm (1.125 inches) 3.18 cm (1.250 inches)*+	Normal More Less Normal	1 2 3 2 3 4 2 3 4 2 3 4	Y Y Y Y Y Y Y Y Y Y Y Y Y
1.91 cm (0.750 inches) 2.22 cm (0.875 inches) 2.54 cm (1.000 inches) 2.86 cm (1.125 inches) 3.18 cm (1.250 inches)*+	More Less Normal	1 2 3 2 3 4 2 3 4 2 3 4	Y Y Y Y Y Y Y Y Y Y Y Y Y
1.91 cm (0.750 inches) 2.22 cm (0.875 inches) 2.54 cm (1.000 inches) 2.86 cm (1.125 inches) 3.18 cm (1.250 inches)*+	Less Normal More Less Normal More Less Normal More Less Normal More Less Normal	1 2 3 2 3 4 2 3 4 2 3 4	Y Y - Y Y Y - Y Y Y Y Y Y Y
1.91 cm (0.750 inches) 2.22 cm (0.875 inches) 2.54 cm (1.000 inches) 2.86 cm (1.125 inches) 3.18 cm (1.250 inches)*+	Normal More Less Normal More Less Normal More Less Normal More Less Normal	2 3 2 3 4 2 3 4 3	Y - Y Y - Y Y - Y Y - Y Y - Y Y - Y Y - Y
2.22 cm (0.875 inches) 2.54 cm (1.000 inches) 2.86 cm (1.125 inches) 3.18 cm (1.250 inches)*+	More Less Normal More Less Normal More Less Normal More Less	3 2 3 4 2 3 4 3	- Y Y - Y Y
2.22 cm (0.875 inches) 2.54 cm (1.000 inches) 2.86 cm (1.125 inches) 3.18 cm (1.250 inches)*+	Less Normal More Less Normal More Less Normal	2 3 4 2 3 4 3	Y - Y Y - Y - Y
2.22 cm (0.875 inches) 2.54 cm (1.000 inches) 2.86 cm (1.125 inches) 3.18 cm (1.250 inches)*+	Normal More Less Normal More Less Normal	3 4 2 3 4 3	Y - Y Y - Y
2.54 cm (1.000 inches) 2.86 cm (1.125 inches) 3.18 cm (1.250 inches)*+	More Less Normal More Less Normal	4 2 3 4 3	- Y Y - Y
2.54 cm (1.000 inches) 2.86 cm (1.125 inches) 3.18 cm (1.250 inches)*+	Less Normal More Less Normal	2 3 4 3	Y - Y
2.54 cm (1.000 inches) 2.86 cm (1.125 inches) 3.18 cm (1.250 inches)*+	Normal More Less Normal	3 4 3	Y - Y
2.86 cm (1.125 inches) 3.18 cm (1.250 inches)*+	More Less Normal	3	- Y
2.86 cm (1.125 inches) 3.18 cm (1.250 inches)*+	Less Normal	3	
2.86 cm (1.125 inches) 3.18 cm (1.250 inches)*+	Normal		
3.18 cm (1.250 inches)*+		4	
3.18 cm (1.250 inches)*+	More	_	Y
3.18 cm (1.250 inches)*+		5	-
	Less	4	-
	Normal	5	-
	More	6	-
3 49 cm (1 375 inches)*+	Less	4	-
3 49 cm (1 375 inches)*+	Normal	5	-
3 49 cm (1 375 inches)*+	More	6	-
5. 15 Gill (1.076 Illollog)	Less	4	-
	Normal	5	-
	More	6	-
3.81 cm (1.500 inches)*+	Less	5	-
	Normal	6	-
	More	7	-
4.13 cm (1.625 inches)*+	Less	6	-
	Normal	7	-
	More	8	-
4.44 cm (1.750 inches)*+	Less	6	-
·	Normal	7	-
	More	8	-
4.76 cm (1.875 inches)*+	Less	7	-
(Normal	8	-
	More	9	_
5.08 cm (2.000 inches)*+		7	-
0.00 011 (2.000 1101103)	Less	8	_
	Less Normal		

^{*} The High HOC Kit (Part No. 110-9600) must be installed. Front HOC bracket must be positioned in the top side-plate hole.

⁺ When the Height of Cut is above 2.54 cm (1 inch) and a rear roller brush is used, the High Height-of-Cut Brush is required and the optional Steering Cylinder, Part No. 105-9275 should be installed to prevent contact between the rear tire and the brush when making extreme turns.

Use the following chart to determine which bedknife is best suited for the desired height of cut

Bedknife/Height of Cut Chart				
Bedknife	Part No.	Bedknife Lip Height	Height of Cut	
Low HOC (Optional)	110-4084	5.6 mm (0.220 inch)	6.4 to 12.7 mm (0.250 to 0.500 inch)	
EdgeMax® Low HOC (Optional)	137-0832	5.6 mm (0.220 inch)	6.4 to 12.7 mm (0.250 to 0.500 inch)	
Extended Low HOC (Optional)	120-1640	5.6 mm (0.220 inch)	6.4 to 12.7 mm (0.250 to 0.500 inch)	
Extended EdgeMax® Low HOC (Optional)	119-4280	5.6 mm (0.220 inch)	6.4 to 12.7 mm (0.250 to 0.500 inch)	
EdgeMax® (Models 03698 and 03699)	137-0833	6.9 mm (0.270 inch)	9.5 to 38.1 mm (0.375 to 1.50 inches)*	
Standard (Optional)	108-9096	6.9 mm 9.5 to 38.1 mr (0.270 inch) (0.375 to 1.50 inc		
Heavy Duty (Optional)	110-4074	9.3 mm (0.370 inch)	12.7 to 38.1 mm (0.500 to 1.50 inches)	



1. Bedknife lip height

Height-of-Cut Chart Terms

Height-of-Cut Setting (HOC)

This corresponds to the desired height of cut.

Bench-Set Height of Cut

This is the height at which the top edge of the bedknife is set above a flat level surface that contacts the bottom of both the front and rear rollers.

Effective Height of Cut

This is the actual height that the grass has been cut. For a given bench set height of cut, the actual height of cut will vary depending on the type of grass, time of year, turf, and soil conditions. The cutting unit setup (aggressiveness of cut, rollers, bedknives, attachments installed, turf compensation settings, etc.) will also affect the effective height of cut. Check the effective height of cut using the Turf Evaluator (Model 04399) regularly to determine the desired bench set height of cut.

Aggressiveness of Cut

Aggressiveness of cut has a significant impact on the performance of the cutting unit. Aggressiveness of cut refers to the angle of the bedknife relative to the ground (Figure 27).

The best cutting unit setup is dependent on your turf conditions and desired results. Experience with the cutting unit on your turf will determine the best setting to use. Aggressiveness of cut may be adjusted throughout the cutting season to allow for various turf conditions.

In general, less to normal aggressive settings are more appropriate for warm-season grasses (Bermuda, paspalum, zoysia) while cool-season grasses (bent, bluegrass, rye) may require normal to more aggressive setups. More aggressive setups cut more grass off by allowing the spinning reel to pull more grass up into the bedknife.

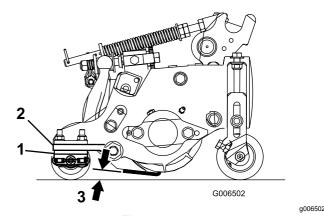


Figure 27

- 1. Rear spacers
- 3. Aggressiveness of cut
- 2. Side-plate mounting flange

Rear Spacers

The number of rear spacers determines the aggressiveness of cut for the cutting unit. For a given height of cut, adding spacers, below the side-plate mounting flange, increases the aggressiveness of the cutting unit. All cutting units on a given machine must be set to the same aggressiveness of cut (number of rear spacers, Part No. 119-0626), otherwise the after-cut appearance could be negatively affected (Figure 27).

Groomer

These are the recommended height-of-cut settings when a groomer kit is installed on the cutting unit.

Maintenance

Using the Kickstand when Tipping the Cutting Unit

Whenever the cutting unit has to be tipped to expose the bedknife/reel, prop up the rear of the cutting unit with the kickstand (supplied with the traction unit) to make sure that the nuts on the back end of the bedbar adjusting screws are not resting on the work surface (Figure 28).

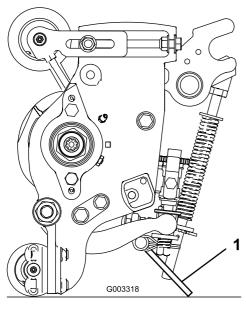


Figure 28

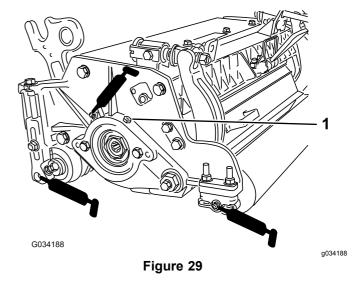
1. Kickstand

Lubricating the Cutting Unit

Each cutting unit has 6 grease fittings (Figure 29) that must be lubricated regularly with No. 2 lithium grease.

The lubrication points include the front roller (2), the rear roller (2), and the reel bearing (2).

- 1. Wipe each grease fitting with a clean rag.
- 2. Apply grease until clean grease comes out of the roller seals and the bearing relief valve.
- Wipe any excess grease away.



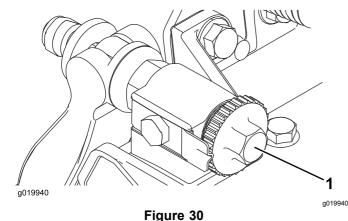
Relief valve

g003318

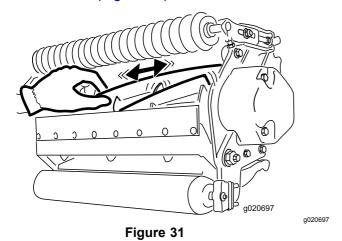
Adjusting the Reel Bearings

To ensure long life of the reel bearings, periodically check if reel end play exists. You can check and adjust the reel bearings as follows:

 Loosen the reel-to-bedknife contact by turning the bedknife adjusting knobs (Figure 30) counterclockwise until no contact exists.



- 1. Bedknife-adjuster knob
- 2. Using a rag or a thickly padded glove, hold on to the reel blade and try to move the reel assembly side to side (Figure 31).



- If end play exists, proceeded as follows:
 - A. Loosen the external setscrew securing the bearing adjuster nut to bearing housing located on the left side of the cutting unit (Figure 32).

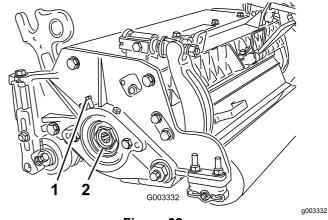


Figure 32

- Setscrew
- 2. Adjuster nut
- B. Using a 1-3/8 inch socket wrench, slowly tighten the reel-bearing adjustment nut until no end play of the reel exists. If adjusting the nut does not eliminate reel end play, replace the reel bearings.

Note: The reel bearings do not require preload. Overtightening the reel-bearing adjuster nut will damage the reel bearings.

 Tighten the setscrew securing the bearing adjuster nut to the bearing housing.

Note: Torque the nut to 1.4 to 1.7 N·m (12 to 15 in-lb).

Servicing the Bedknife

The bedknife service limits are listed in the following chart.

Important: Operating the cutting unit with the bedknife below the service limit may result in poor after-cut appearance and reduce the structural integrity of the bedknife for impacts.

Bedknife Service Limit Chart				
Bedknife	Part	Bedknife Lip Height*	Service Limit*	Grind Angles Top/Front Angles
EdgeMax® Low HOC (Optional)	137-0832	5.6 mm (0.220 inch)	6.4 to 12.7 mm (0.250 to 0.500 inch)	10/5 degrees
Low HOC (Optional)	110-4084	5.6 mm (0.220 inch)	4.8 mm (0.190 inch)	10/5 degrees
Extended EdgeMax® Low HOC (Optional)	119-4280	5.6 mm (0.220 inch)	4.8 mm (0.190 inch)	10/10 degrees
Extended Low HOC (Optional)	120-1640	5.6 mm (0.220 inch)	4.8 mm (0.190 inch)	10/10 degrees
EdgeMax® (Models 03698 and 03699)	137-0833	6.9 mm (0.270 inch)	4.8 mm (0.190 inch)	10/5 degrees
Standard (Optional)	108-9096	6.9 mm (0.270 inch)	4.8 mm (0.190 inch)	10/5 degrees
Heavy Duty (Optional)	110-4074	9.3 mm (0.370 inch)	4.8 mm (0.190 inch)	10/5 degrees

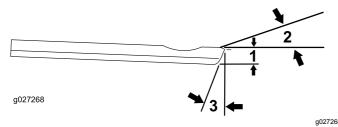
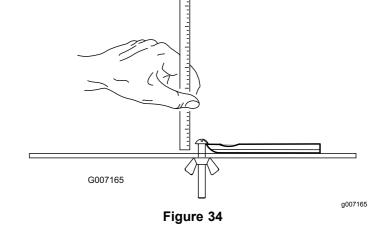


Figure 33

Recommended Top and Front Bedknife Grind Angles

- 1. Bedknife service limit*
- 2. Top grind angle
- 3. Front grind angle



Note: All bedknife service limit measurements relate to the bottom of the bedknife (Figure 34).

Checking the Top Grind Angle

The angle that you use to grind your bedknives is very important.

Use the angle indicator (Toro Part No. 131-6828) and the angle-indicator mount (Toro Part No. 131-6829) to check the angle that your grinder produces and then correct for any grinder inaccuracy.

Place the angle indicator on the bottom side of the bedknife as shown in Figure 35.

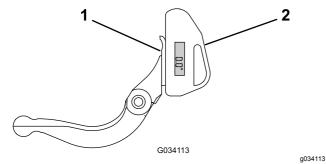


Figure 35

- Bedknife (vertical)
- 2. Angle indicator
- 2. Press the Alt Zero button on the angle indicator.
- 3. Place the angle-indicator mount on the edge of the bedknife so that the edge of the magnet is mated with the edge of the bedknife (Figure 36).

Note: The digital display should be visible from the same side during this step as it was in step 1.

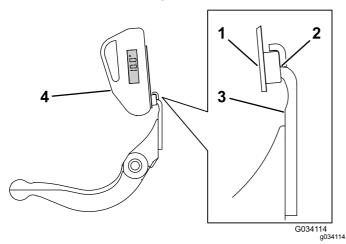


Figure 36

- 1. Angle-indicator mount
- Bedknife
- 2. Edge of the magnet mated 4. Angle indicator with the edge of the bedknife
- Place the angle indicator on the mount as shown in Figure 36.

Note: This is the angle that your grinder produces; it should be within 2 degrees of the recommended top grind angle.

Servicing the Bedbar

Removing the Bedbar

Turn the bedbar-adjusting screws counterclockwise to back the bedknife away from the reel (Figure 37).

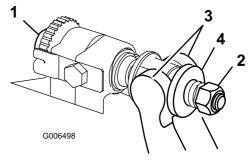


Figure 37

- Bedbar-adjusting screw
- Bedbar 3.

g006498

g003334

- Spring-tension nut
- Washer
- Back out the spring-tension nut until the washer is no longer tensioned against the bedbar (Figure 37).
- On each side of the machine, loosen the locknut securing the bedbar bolt (Figure 38).

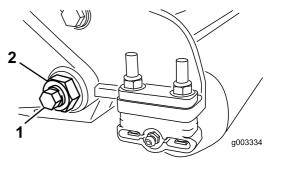


Figure 38

- Bedbar bolt
- 2. Locknut
- Remove each bedbar bolt, allowing the bedbar to be pulled downward and removed from the machine bolt (Figure 38). Account for 2 nylon washers and 1 stamped steel washer on each end of the bedbar (Figure 39).

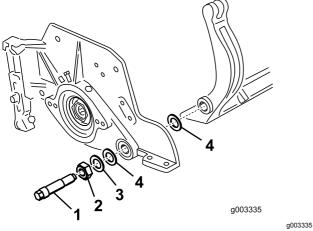


Figure 39

- 1. Bedbar bolt
- 2. Nut

- 3. Steel washer
- 4. Nylon washer

Assembling the Bedbar

- 1. Install the bedbar, positioning the mounting ears between the washer and the bedbar adjuster.
- 2. Secure the bedbar to each side plate with the bedbar bolts (nuts on bolts) and 6 washers.
- 3. Position a nylon washer on each side of the side-plate boss.
- 4. Place a steel washer outside each of the nylon washers (Figure 41).

Note: Torque the bedbar bolts to 37 to 45 N·m (27 to 33 ft-lb). Tighten the locknuts until the outside steel washer stops rotating and end play is removed, but do not overtighten or deflect the side plates. The washers on the inside may have a gap.

5. Tighten the spring-tension nut until the spring is collapsed, then back off 1/2 turn (Figure 40).

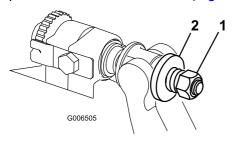


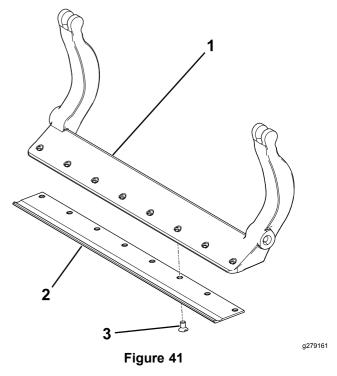
Figure 40

- 1. Spring-tension nut
- 2. Spring

Installing the Bedknife

. Remove the rust, scale, and corrosion from the bedbar surface and apply a thin layer of oil to the bedbar surface.

- 2. Clean the screw threads.
- Apply anti-seize compound to the screws and install the bedknife to the bedbar as follows (Figure 41):



- 1. Bedbar
- 2. Bedknife
- 3. Screw
- A. Torque the 2 outer screws to 1 N⋅m (10 in-lb); refer to Figure 42.
- B. Working form the center of the bedknife, torque the screws to 23 to 28 N·m (200 to 250 in-lb); refer to Figure 42.

g006505

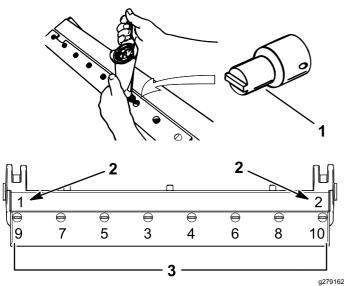


Figure 42

- Bedknife screw tool
- 3. Torque to 23 to 28 N·m (200 to 250 in-lb).
- Install and torque these first to 1 N·m (10 in-lb).
- Grind the bedknife.

Servicing the HD Dual Point Adjusters (DPA)

- Remove all parts (refer to the Installation Instructions for the HD DPA Kit and to Figure 43).
- Apply anti-seize compound to the inside of the bushing area on cutting unit center frame (Figure 43).
- Align the keys on flange bushings to the slots in the frame and install the bushings (Figure 43).
- Install a wave washer onto the adjuster shaft and slide the adjuster shaft into the flange bushings in the frame of the cutting unit (Figure 43).
- Secure the adjuster shaft with a flat washer and locknut (Figure 43).
- Torque the locknut to 20 to 27 N·m (15 to 20 ft-lb).

Note: The bedbar adjuster shaft has left-hand threads.

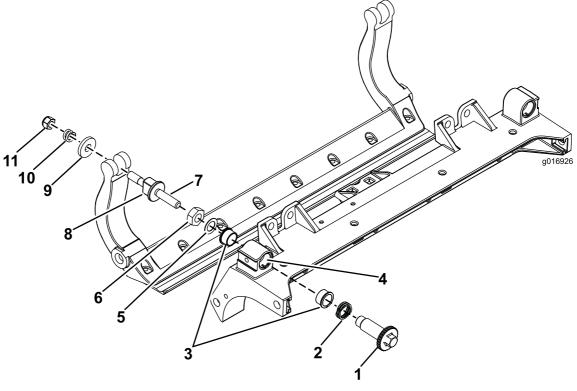


Figure 43

- Shaft adjuster
- Apply anti-seize compound
- Apply anti-seize compound 10. Compression spring

- Wave washer
- Flat washer
- Bedbar-adjuster screw
- Spring-tension nut

- Flange bushing
- Locknut

- Hardened washer

q016926

- Apply anti-seize compound to the threads of the bedbar-adjuster screw that fit into the adjuster shaft.
- 8. Thread the bedbar-adjuster screw into the adjuster shaft.
- 9. Loosely install the hardened washer, spring, and spring tension nut onto the adjuster screw.
- 10. Install the bedbar, positioning the mounting ears between the washer and the bedbar adjuster.
- 11. Secure the bedbar to each side plate with the bedbar bolts (nuts on bolts) and 6 washers.

Note: Position a nylon washer on each side of the side-plate boss.

- 12. Place a steel washer outside each of the nylon washers (Figure 43).
- 13. Torque the bedbar bolts to 37 to 45 N·m (27 to 33 ft-lb).
- 14. Tighten the locknuts until the outside steel washer stops rotating and end play is removed but do not overtighten or deflect the side plates.

Note: The washers on the inside may have a gap (Figure 43).

- 15. Tighten the nut on each bedbar-adjuster assembly until the compression spring is fully compressed, then loosen the nut 1/2 turn (Figure 43).
- 16. Repeat this procedure on the other end of the cutting unit.
- 17. Adjust the bedknife to the reel; refer to Adjusting the Bedknife to the Reel (page 11).

Servicing the Roller

The Roller Rebuild Kit (Part No. 114-5430) and the Roller Rebuild Tool Kit (Part No. 115-0803) (Figure 44) are available for servicing the roller. The Roller Rebuild Kit includes all the bearings, bearing nuts,

inner seals, and outer seals to rebuild a roller. The Roller Rebuild Tool Kit includes all the tools and the installation instructions required to rebuild a roller with the roller rebuild kit. Refer to your parts catalog or contact your authorized Toro distributor for assistance.

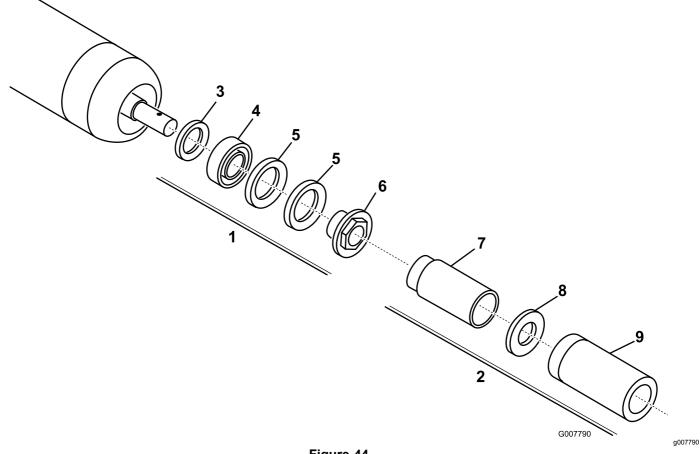


Figure 44

- 1. Roller Rebuild Kit (Part No. 114-5430)
- Roller Rebuild Tool kit (Part No. 115-0803) 2.
- Inner seal 3.
- Bearing
- Outer seal

- 6. Bearing nut
- 7. Inner seal tool
- 8. Washer
- Bearing/outer-seal tool

Declaration of Incorporation

The Toro Company, 8111 Lyndale Ave. South, Bloomington, MN, USA declares that the following unit(s) conform(s) to the directives listed, when installed in accordance with the accompanying instructions onto certain Toro models as indicated on the relevant Declarations of Conformity.

Model No.	Serial No.	Product Description	Invoice Description	General Description	Directive
		8-blade DPA Cutting Unit	7" 8 BLADE DPA (RADIAL)		2000/14/EC
03698		CU-RM6500/6700		2006/42/EC	
2222	40400004	11-blade DPA Cutting Unit	7" 11 BLADE DPA (RADIAL)	0.4% 11.3	2000/14/EC
03699 404800001 and Up	for Reelmaster 6000 Series Traction Unit	CU-RM6500/6700	Cutting Unit	2006/42/EC	

Relevant technical documentation has been compiled as required per Part B of Annex VII of 2006/42/EC.

We will undertake to transmit, in response to requests by national authorities, relevant information on this partly completed machinery. The method of transmission shall be electronic transmittal.

This machinery shall not be put into service until incorporated into approved Toro models as indicated on the associated Declaration of Conformity and in accordance with all instructions, whereby it can be declared in conformity with all relevant Directives.

Certified:

John Heckel

Sr. Engineering Manager 8111 Lyndale Ave. South Bloomington, MN 55420, USA

- ple Field

August 13, 2019

Authorized Representative:

Marcel Dutrieux Manager European Product Integrity Toro Europe NV Nijverheidsstraat 5 2260 Oevel Belgium

EEA/UK Privacy Notice

Toro's Use of Your Personal Information

The Toro Company ("Toro") respects your privacy. When you purchase our products, we may collect certain personal information about you, either directly from you or through your local Toro company or dealer. Toro uses this information to fulfil contractual obligations - such as to register your warranty, process your warranty claim or to contact you in the event of a product recall - and for legitimate business purposes - such as to gauge customer satisfaction, improve our products or provide you with product information which may be of interest. Toro may share your information with our subsidiaries, affiliates, dealers or other business partners in connection these activities. We may also disclose personal information when required by law or in connection with the sale, purchase or merger of a business. We will never sell your personal information to any other company for marketing purposes.

Retention of your Personal Information

Toro will keep your personal information as long as it is relevant for the above purposes and in accordance with legal requirements. For more information about applicable retention periods please contact legal@toro.com.

Toro's Commitment to Security

Your personal information may be processed in the US or another country which may have less strict data protection laws than your country of residence. Whenever we transfer your information outside of your country of residence, we will take legally required steps to ensure that appropriate safeguards are in place to protect your information and to make sure it is treated securely.

Access and Correction

You may have the right to correct or review your personal data, or object to or restrict the processing of your data. To do so, please contact us by email at legal@toro.com. If you have concerns about the way in which Toro has handled your information, we encourage you to raise this directly with us. Please note that European residents have the right to complain to your Data Protection Authority.

The Toro Warranty



Two-Year or 1,500 Hours Limited Warranty

Conditions and Products Covered

The Toro Company and its affiliate, Toro Warranty Company, pursuant to an agreement between them, jointly warrant your Toro Commercial product ("Product") to be free from defects in materials or workmanship for 2 years or 1,500 operational hours*, whichever occurs first. This warranty is applicable to all products with the exception of Aerators (refer to separate warranty statements for these products). 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. * Product equipped with an hour meter.

Instructions for Obtaining Warranty Service

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

Toro Commercial Products Service Department Toro Warranty Company 8111 Lyndale Avenue South Bloomington, MN 55420-1196

952–888–8801 or 800–952–2740 E-mail: commercial.warranty@toro.com

Owner Responsibilities

As the product owner, you are responsible for required maintenance and adjustments stated in your *Operator's Manual*. Repairs for product issues caused by failure to perform required maintenance and adjustments are not covered under this warranty.

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-Toro replacement parts, or from installation and use of add-on, or modified non-Toro branded accessories and products.
- Product failures which result from failure to perform recommended maintenance and/or adjustments.
- Product failures which result from operating the Product 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, brake pads and linings, clutch linings,
 blades, reels, rollers and bearings (sealed or greasable), bed knives,
 spark plugs, castor wheels and bearings, tires, filters, belts, and certain
 sprayer components such as diaphragms, nozzles, and check valves.
- Failures caused by outside influence, including, but not limited to, weather, 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 warranted for the period of time up to the scheduled replacement time for that part. Parts replaced under this warranty are covered for the duration of the original product warranty and become the property of Toro. Toro will make the final decision whether to repair any existing part or assembly or replace it. Toro may use remanufactured parts for warranty repairs.

Deep Cycle and Lithium-Ion Battery Warranty

Deep cycle and Lithium-Ion batteries have a specified total number of kilowatt-hours they can deliver during their lifetime. Operating, recharging, and maintenance techniques can extend or reduce total battery life. As the batteries in this product are consumed, the amount of useful work between charging intervals will slowly decrease until the battery is completely worn out. Replacement of worn out batteries, due to normal consumption, is the responsibility of the product owner. Note: (Lithium-Ion battery only): Pro-rated after 2 years. Refer to the battery warranty for additional information.

Lifetime Crankshaft Warranty (ProStripe 02657 Model Only)

The Prostripe which is fitted with a genuine Toro Friction Disc and Crank-Safe Blade Brake Clutch (integrated Blade Brake Clutch (BBC) + Friction Disc assembly) as original equipment and used by the original purchaser in accordance with recommended operating and maintenance procedures, are covered by a Lifetime Warranty against engine crankshaft bending. Machines fitted with friction washers, Blade Brake Clutch (BBC) units and other such devices are not covered by the Lifetime Crankshaft Warranty.

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 Toro products require that are at the owner's expense.

General Conditions

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

Neither The Toro Company nor Toro Warranty Company is liable for indirect, incidental or consequential damages in connection with the use of the Toro Products covered by this warranty, 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 warranty. All implied warranties of merchantability and fitness for use are limited to the duration of this express 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 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.

Countries Other than the United States or Canada

Customers who have purchased Toro products exported from the United States or Canada should contact their Toro Distributor (Dealer) to obtain guarantee policies for your country, province, or state. If for any reason you are dissatisfied with your Distributor's service or have difficulty obtaining guarantee information, contact your Authorized Toro Service Center.