



Count on it.

Operator's Manual

8, 11, and 14-Blade DPA Reel Mower

Greensmaster® 3300/3400 Series Traction Unit

Model No. 04613—Serial No. 313000001 and Up

Model No. 04614—Serial No. 313000001 and Up

Model No. 04615—Serial No. 313000001 and Up





Figure 2

Introduction

This cutting unit is designed for cutting turf on greens and small fairways of golf courses.

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.

You may contact Toro directly at www.Toro.com for product and 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.

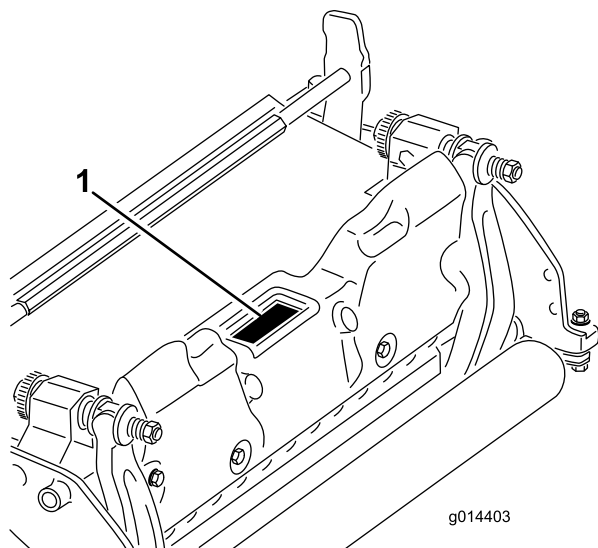


Figure 1

1. Location of the model and serial numbers

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.

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.

Contents

Introduction	2
Safety	3
Safety and Instructional Decals.	3
Setup	4
Installing the Front Roller.....	4
Using the Cutting Unit Prop.....	4
Adjusting the Bedknife to the Reel	4
Adjusting the Rear Roller.....	5
Adjusting the Height of Cut	5
Adjusting the Cut-Off Bar	7
Product Overview	8
Specifications.	8
Attachments/Accessories.....	8
Operation	9
Cutting Unit Characteristics	9
Daily Adjustments of the Cutting Unit.....	9
Maintenance	10
Servicing the Bedbar	10
Backlapping the Reel.....	11

Safety

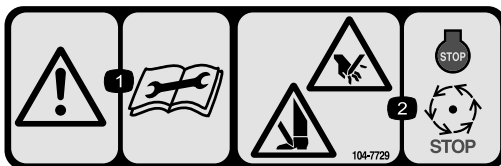
Hazard control and accident prevention are dependent upon the awareness, concern, and proper training of the personnel involved in the operation, transport, maintenance, and storage of the machine. Improper use or maintenance of the machine can result in injury or death. To reduce the potential for injury or death, comply with the following safety instructions.

- Read, understand, and follow all instructions in the traction unit and cutting unit *Operator's Manuals* before operating the cutting unit.
- Never allow children to operate the traction unit or cutting units. Do not allow adults to operate traction unit or cutting units without proper instruction. Only trained operators who have read this manual should operate the traction unit or cutting units.
- Never operate the cutting units when under the influence of drugs or alcohol.
- Keep all shields and safety devices in place. If a shield, safety device or decal is illegible or damaged, repair or replace it before operation is commenced. Also tighten any loose nuts, bolts, and screws to ensure cutting unit is in safe operating condition.
- Always wear substantial shoes. Do not operate cutting units while wearing sandals, tennis shoes, sneakers, or shorts. Also, do not wear loose fitting clothing which could get caught in moving parts. Always wear long pants and substantial shoes. Wearing safety glasses, safety shoes, and a helmet is advisable and required by some local ordinances and insurance regulations.
- Remove all debris or other objects that might be picked up and thrown by the cutting unit reel blades. Keep all bystanders away from the working area.
- If the cutting blades strike a solid object or the unit vibrates abnormally, stop and shut the engine off. Check the cutting units for damaged parts. Repair any damage before restarting and operating the cutting units.
- Lower the cutting units to the ground and remove key from ignition switch whenever machine is left unattended.
- Ensure that the cutting units are in safe operating condition by keeping nuts, bolts, and screws tight.
- Remove the key from the ignition switch to prevent accidental starting of the engine when servicing, adjusting, or storing the machine.
- Perform only those maintenance instructions described in this manual. If major repairs are ever needed or assistance is desired, contact an Authorized Toro Distributor.
- To ensure optimum performance and safety, always purchase genuine Toro replacement parts and accessories. **Never use "will-fit" replacement parts and accessories made by other manufacturers.** Look for the Toro logo to ensure genuineness. Using unapproved replacement parts and accessories could void the warranty of The Toro Company.

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 lost.



104-7729

1. Warning—read the instructions before servicing or performing maintenance.
2. Cutting/dismemberment hazard; hand or foot—stop the engine and wait for moving parts to stop.

Setup

Media and Additional Parts

Description	Qty.	Use
Operator's Manual	1	Read before installing and operating cutting unit
Parts catalog	1	Use to reference part numbers

Installing the Front Roller

The cutting unit is shipped without a front roller. Install the roller using the loose parts supplied with the cutting unit and installation instructions included with the roller.

Using the Cutting Unit Prop

Whenever the cutting unit has to be tipped to expose the bedknife/reel, prop up the rear of the cutting unit to make sure the nuts on the back end of the bedbar adjusting screws are not resting on the work surface (Figure 3).

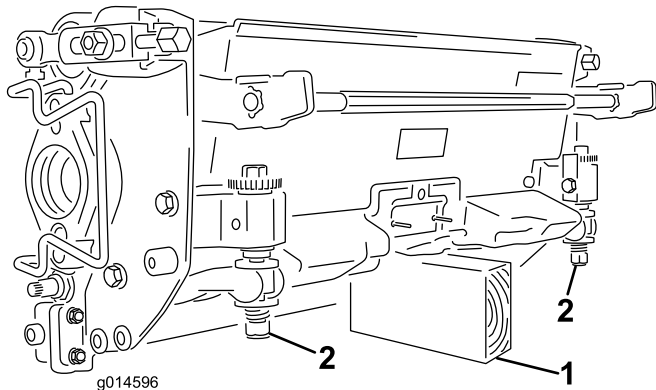


Figure 3

1. Prop (not provided)
2. Bedknife adjusting screw nut (2)

Adjusting the Bedknife to the Reel

Note: Use this procedure after grinding, backlapping, or disassembly. It is not intended as a daily adjustment.

1. Position the cutting unit on a flat, level work surface.
2. Tip the cutting unit to expose the bedknife and the reel. **Make sure the nuts or the back of the bedbar adjusting screws are not resting on the work surface (Figure 4).**

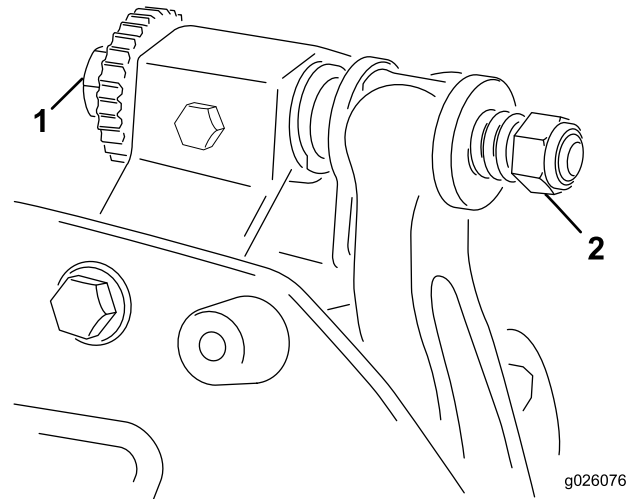


Figure 4

1. Bedknife adjusting screw
2. Nut

3. Rotate the reel so that a blade crosses the bedknife edge between the first and second bedknife screw heads on the right side of the cutting unit.
4. Put an identifying mark on the blade where it crosses the bedknife edge; this will make subsequent adjustments easier.
5. Insert the .05 mm (0.002 inch) shim between the marked blade and the bedknife edge at the point where the marked blade crosses the bedknife edge.
6. Turn the right bedbar adjusting screw until you feel light pressure (i.e. drag) on the shim by sliding it side-to-side. Remove the shim.
7. For the left side of the cutting unit, slowly rotate the reel so that the closest blade crosses the bedknife edge between the first and second screw heads.
8. Repeat steps 4 through 6 for the left side of the cutting unit and left bedbar adjusting screw.
9. Repeat steps 5 and 6 until light drag is achieved on both the right and left sides of the cutting unit utilizing the same contact points.
The bedknife is now parallel to the reel.
10. To obtain light contact between the reel and bedknife, turn each bedbar adjusting screw clockwise 3 clicks.

Note: Each click turned on the bedbar adjusting screw moves the bedknife 0.018 mm (0.0007 inches). Clockwise rotation moves the bedknife edge closer

to the reel and counterclockwise rotation move the bedknife edge away from the reel. **Do not over tighten the adjusting screws.**

11. Test the cutting performance by inserting a long strip of cutting performance paper (Toro part number 125-5610) between the reel and bedknife, perpendicular to the bedknife (Figure 5). Slowly rotate the reel forward; it should cut paper

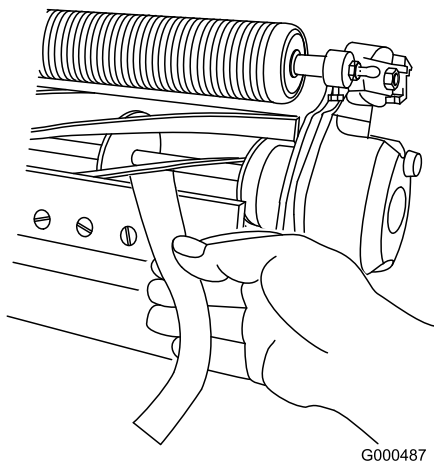


Figure 5

Note: If excessive contact/reel drag is evident it will be either necessary to backlap, reface the front of the bedknife, or regrind 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).

Adjusting the Rear Roller

1. Adjust the rear roller brackets (Figure 6 or Figure 7) to the low or high position depending on the desired height of cut range.

Position the spacer above the sideplate mounting flange (factory setting) when height of cut settings range from 1.6 to 6 mm (1/16 to 1/4 inch) (Figure 6).

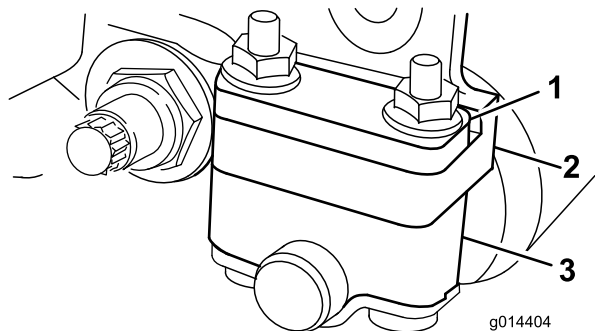


Figure 6

1. Spacer
2. Roller bracket
3. Sideplate mounting flange

Position the spacer below the sideplate mounting flange when height of cut settings range from 3 to 25 mm (1/8 to 1 inch) (Figure 7).

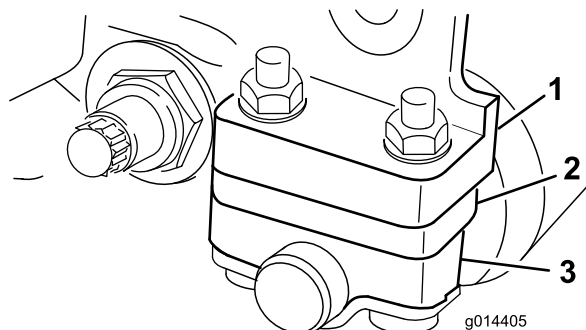


Figure 7

1. Spacer
2. Roller bracket
3. Sideplate mounting flange

2. To adjust rear roller proceed as follows:
 - A. Raise the rear of the cutting unit and place a block under the bedknife.
 - B. Remove the 2 nuts securing each roller bracket and spacer to each sideplate mounting flange.
 - C. Lower the roller and screws from the sideplate mounting flanges and spacers.
 - D. Place the spacers onto the screws on the roller brackets.
 - E. Secure the roller bracket and spacers to the underside of the mounting flanges with the nuts previously removed.

Note: The position of the rear roller to the reel is controlled by the machining tolerances of the assembled components and paralleling is not required.

Adjusting the Height of Cut

Note: For heights of cut greater than 1.270 cm (0.500 inch), you must install the high height of cut kit.

Important: Whenever the cutting unit has to be tipped to expose the bedknife/reel, prop up the rear of the cutting unit to make sure the nuts on the back end of the bedbar adjusting screws are not resting on the work surface (Figure 3).

1. Loosen the locknuts securing the height-of-cut arms to the cutting unit side plates (Figure 8).

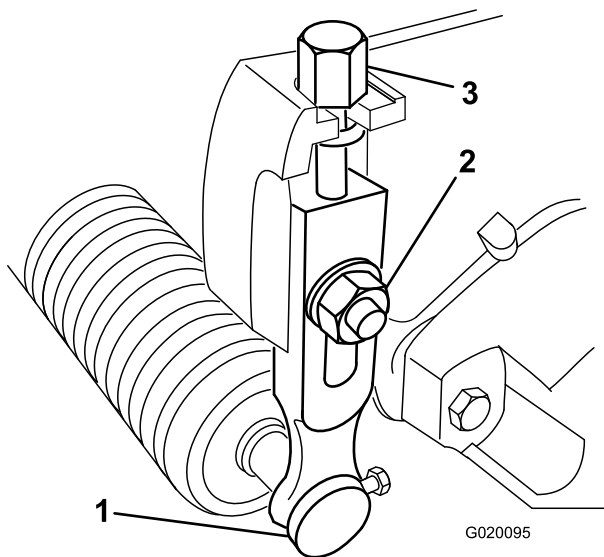


Figure 8

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

2. Loosen the nut on the gauge bar and set the height adjusting bolt to the desired height-of-cut (Figure 9). The distance between the bottom of the bolt head and the face of the bar is the height-of-cut.

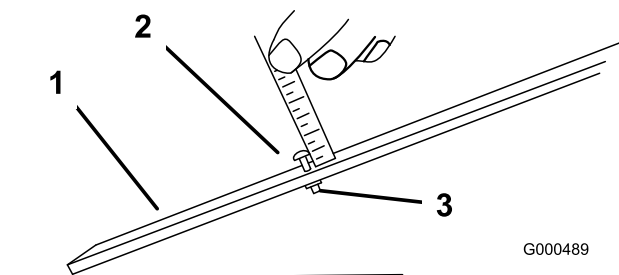


Figure 9

1. Gauge bar
2. Height adjusting bolt
3. Nut

3. Hook the bolt head onto the cutting edge of the bedknife and rest the rear end of the bar onto the rear of the roller (Figure 10).

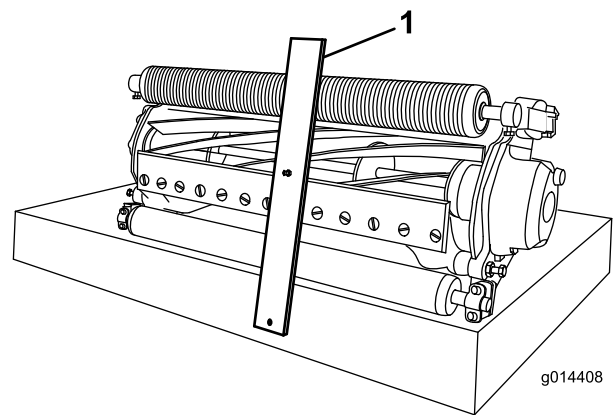


Figure 10

1. Gauge bar

4. Rotate the adjusting bolt on the height-of-cut arms until the front roller contacts the gauge bar. Adjust both ends of the 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 bolt head will be snug against the bedknife. This ensures that the height-of-cut is identical at both ends of the bedknife.

5. Tighten the nuts to secure the adjustment. Do not overtighten the nuts. Tighten them enough to remove play from the washer.

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

Recommended Bedknife/Height of Cut Chart

Bedknife	Part Number	Height of Cut
Edgemax Micro-cut (Standard)	115-1880	1.5–4.7 mm (0.062–0.188 inch)
Edgemax Tournament (Optional)	115-1881	3.1–12.7 mm (0.125–0.500 inch)
Micro-cut (Optional)	93-4262	1.5–4.7 mm (0.062–0.188 inch)
Tournament (Optional)	93-4263	3.1–12.7 mm (0.125–0.500 inch)
Extended Micro-cut (Optional)	108-4303	1.5–4.7 mm (0.062–0.188 inch)
Extended Tournament (Optional)	108-4302	3.1–12.7 mm (0.125–0.500 inch)
Low-cut (Optional)	93-4264	4.7–25.4 mm (0.188–1.00 inch)
High-cut (Optional)	94-6392	7.9–25.4 mm (0.312–1.00 inch)
Fairway (Optional)	63-8600	9.5–25.4 mm (0.375–1.00 inch)

Adjusting the Cut-Off Bar

Adjust the cut-off bar to ensure that the clippings are cleanly discharged from the reel area:

1. Loosen the screws securing the top bar (Figure 11) to the cutting unit.

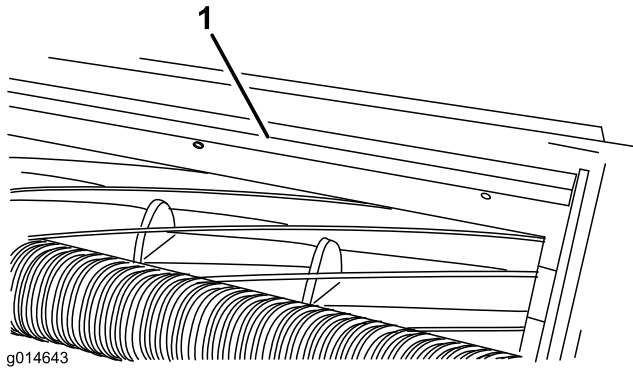


Figure 11

1. Cut-off bar
-

2. Insert a 0.060 inch feeler gauge between the top of the reel and the bar and tighten the screws. Ensure the bar and reel are equal distance apart across the complete reel for optimum performance.

Note: The bar is adjustable to compensate for changes in turf conditions. Adjust the bar closer to the reel when the turf is extremely dry. By contrast, adjust the bar further away from the reel when the turf conditions are wet. Adjust the bar whenever you sharpen the reel on a reel grinder.

Product Overview

Specifications.

Tractors	These cutting units will mount on the Greensmaster 3300 and 3400 Traction Units.
Height of Cut	Cutting height is adjusted on the front roller by two vertical screws and held by two locking cap screws
Height Of Cut Range	Standard bench height-of-cut range is 1.6 mm (0.062 inch) to 12.7 mm (0.500 inch). Bench height-of-cut range with the High Height of Cut Kit installed is 7 mm (0.285 inch) to 25 mm (1.00 inch). Effective height of cut may vary depending on turf conditions, type of bedknife, rollers, and attachments installed
Reel Bearings	Two sealed stainless steel, deep groove ball bearings.
Rollers	The rear roller is a 5.1 cm (2 inch) diameter steel full roller
Bedknife	Replaceable single edged, high carbon steel bedknife is fastened to a machined cast iron bedbar with 13 screws.
Bedknife Adjustment	Dual screw adjustment to the reel; detents corresponding to 0.018 mm (0.0007 inch) bedknife movement for each indexed position.
Grass Shield	Non-adjustable shield with adjustable cut-off bar to improve grass discharge from reel in wet conditions.
Counterweight	A cast iron weight mounted opposite to the drive motor balances the cutting unit.
Net Weight	8 Blade—32 kg (71 lb), 11 Blade—34 kg (74 lb), 14 Blade—35 kg (77 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 Distributor or go to www.Toro.com for a list of all approved attachments and accessories.

Operation

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

Cutting Unit Characteristics

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.

Daily Adjustments of the Cutting Unit

Prior to mowing each day, or as required, check each cutting unit to verify proper bedknife-to-reel contact. This must be performed even though quality of cut is acceptable.

1. Lower the cutting units onto a hard surface, shut off the engine, and remove the ignition key.
2. Slowly rotate the reel in a reverse direction, listening for reel-to-bedknife contact.

Note: The adjustment knobs have detents corresponding to 0.018 mm (0.0007 inch) bedknife movement for each indexed position. Refer to Adjusting the Bedknife to the Reel.

3. Test the cutting performance by inserting a long strip of cutting performance paper (Toro part number 125-5610) between reel and bedknife, perpendicular to the bedknife (Figure 12). **Slowly** rotate the reel forward; it should cut the paper.

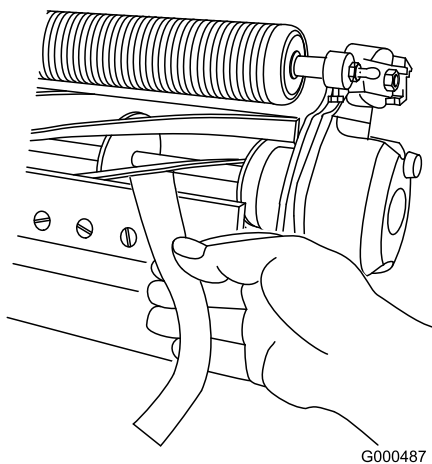


Figure 12

bedknife, or regrind 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 quicker, wear 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: If excessive contact/reel drag is evident it will be either necessary to backlap, reface the front of the

Maintenance

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

Servicing the Bedbar

Removing the Bedbar

1. Turn the bedbar adjuster screw counterclockwise, to back the bedknife away from the reel (Figure 13).

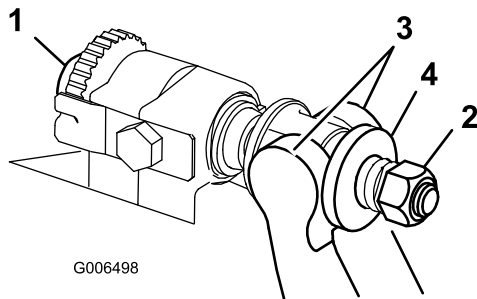


Figure 13

- | | |
|---------------------------|-----------|
| 1. Bedbar adjusting screw | 3. Bedbar |
| 2. Spring tension nut | 4. Washer |

2. Back out the spring tension nut, until the washer is no longer tensioned against the bedbar (Figure 13).
3. On each side of the machine, loosen the locknut securing the bedbar bolt (Figure 14).

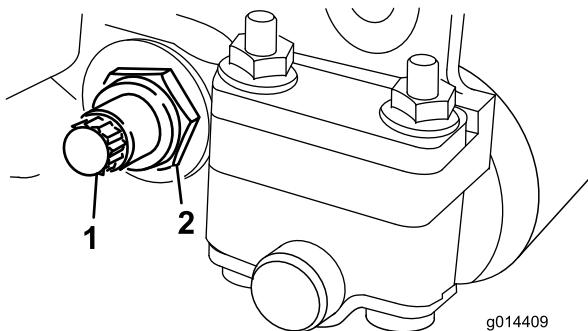


Figure 14

- | | |
|----------------|------------|
| 1. Bedbar bolt | 2. Locknut |
|----------------|------------|

4. Remove each bedbar bolt allowing the bedbar to be pulled downward and removed from the machine bolt (Figure 14). Account for the two nylon and one stamped steel washers on each end of the bedbar (Figure 15).

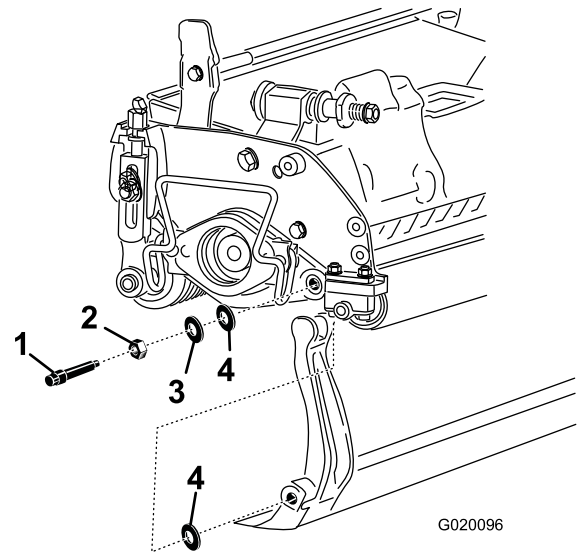


Figure 15

- | | |
|----------------|-----------------|
| 1. Bedbar bolt | 3. Steel washer |
| 2. Locknut | 4. Nylon washer |

Assembling the Bedbar

1. Install the bedbar, positioning the mounting ears between the washer and bedbar adjuster.
2. Secure the bedbar to each side plate with 2 bedbar bolts, locknuts (nuts on bolts), and 6 washers. Position a nylon washer on each side of the side plate boss. Place a steel washer outside of the outer nylon washer (Figure 15).
3. Torque the bedbar bolts to 27-36 N-m (240-320 inch-lb).
4. Tighten the locknuts equally on each side until you cannot rotate the steel washers by hand.
5. Loosen the locknuts just until you can rotate the steel washers by hand and yet there is no end play in the bedbar.

Important: If you over tighten the locknuts, you may deflect the side plates which could interfere with the bedknife to reel contact.

Note: The washers on the inside may have a gap.

6. Tighten the spring tension nut until the spring is collapsed, then back it off 1/2 turn (Figure 16).

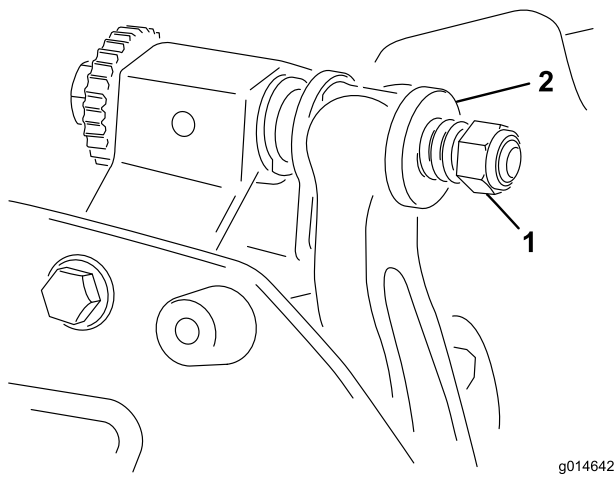


Figure 16

1. Spring tension nut 2. Spring

7. Adjust the bedknife to the reel; refer to Adjusting the Bedknife to the Reel.

Backlapping the Reel

⚠ DANGER

Contact with the reel or other moving parts can result in personal injury.

Keep fingers, hands, and clothing away from the reels or other moving parts.

- Stay away from the reel while backlapping.
- Never use a short handled paint brush for backlapping. Part No. 29-9100 Handle assembly complete or individual parts are available from your local Authorized Toro Distributor.

1. Position the machine on a clean, level surface, lower the cutting units, stop the engine, engage the parking brake, and remove the ignition key.
2. Remove the reel motors from the cutting units and disconnect and remove the cutting units from the lift arms.
3. Connect the backlapping machine to the cutting unit by inserting a piece of 3/8 inch square stock into the splined coupling in the end of the cutting unit.

Note: Additional instructions and procedures on Backlapping are available in the *Toro Sharpening Reel and Rotary Mowers Manual*, Form Number 80-300PT.

Note: For a better cutting edge, run a file across the front face of the bedknife and reel when the lapping operation is completed. This will remove any burrs or rough edges that may have built up on the cutting edge.

Notes:

Notes:

Notes:

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
04613	313000001 and Up	8-Blade DPA Reel Mower	8 BLADE DPA-TRIFLEX	8-Blade DPA Reel Mower	2006/42/EC, 2000/14/EC
04614	313000001 and Up	11-Blade DPA Reel Mower	11 BLADE DPA-TRIFLEX	11-Blade DPA Reel Mower	2006/42/EC, 2000/14/EC
04615	313000001 and Up	14-Blade DPA Reel Mower	14 BLADE DPA-TRIFLEX	14-Blade DPA Reel Mower	2006/42/EC, 2000/14/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:



David Klis
Sr. Engineering Manager
8111 Lyndale Ave. South
Bloomington, MN 55420, USA
September 26, 2013

EU Technical Contact:

Peter Tetteroo
Toro Europe NV
B-2260 Oevel-Westerloo
Belgium

Tel. 0032 14 562960
Fax 0032 14 581911



The Toro Total Coverage Guarantee

A 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 two years or 1500 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*. Failure to perform required maintenance and adjustments can be grounds for disallowing a warranty claim.

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. A separate warranty may be provided by the manufacturer of these items.
- Product failures which result from failure to perform recommended maintenance and/or adjustments. Failure to properly maintain your Toro product per the Recommended Maintenance listed in the *Operator's Manual* can result in claims for warranty being denied.
- Product failures which result from operating the Product in an abusive, negligent, or reckless manner.
- Parts subject to consumption through use unless found to be 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, etc.
- Failures caused by outside influence. Conditions considered to be outside influence include, but are not limited to, weather, storage practices, contamination, use of unapproved fuels, coolants, lubricants, additives, fertilizers, water, or chemicals, etc.
- 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, etc.

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. Battery replacement may be required during the normal product warranty period at owner's expense. Note: (Lithium-Ion battery only): A Lithium-Ion battery has a part only prorated warranty beginning year 3 through year 5 based on the time in service and kilowatt hours used. Refer to the *Operator's Manual* for additional information.

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 engine 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 for details.

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 the Toro importer.