



38" and 42" Twin Bagger TimeCutter® Z Attachment

Model No. 79214—Serial No. 230000001 and Up

Model No. 79215—Serial No. 230000001 and Up

Operator's Manual

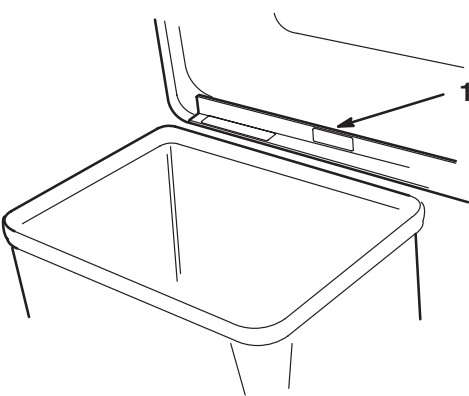
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Introduction

Read this manual carefully to learn how to operate and maintain your product properly. The information in this manual can help you and others avoid injury and product damage. Although Toro designs and produces safe products, you are responsible for operating the product properly and safely.

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 illustrates the location of the model and serial numbers on the product.



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Figure 1

1. Location of the model and serial numbers

Write the product model and serial numbers in the space below:

Model No.	_____
Serial No.	_____

This manual identifies potential hazards and has special safety messages that help you and others avoid personal injury and even death. **Danger**, **Warning**, and **Caution** are signal words used to identify the level of hazard. However, regardless of the hazard, be extremely careful.

Danger signals an extreme hazard that *will* cause serious injury or death if you do not follow the recommended precautions.

Warning signals a hazard that *may* cause serious injury or death if you do not follow the recommended precautions.

Caution signals a hazard that may cause minor or moderate injury if you do not follow the recommended precautions.

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

Safety

Safety and Instruction 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.

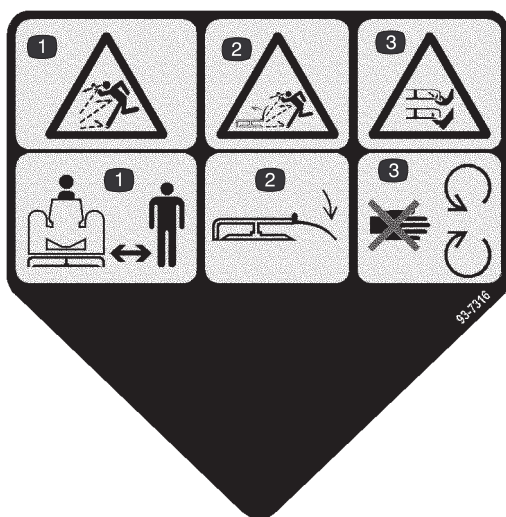


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1. Crushing hazard of hand—do not remove the whole bagger from the machine; open the bagger top and then remove the bag(s) from the bagger. Do not remove the bagger top when it is closed; open the bagger top and then remove it.



93-1122



93-7316 (International)

1. Thrown object hazard—stay a safe distance from the machine.
2. Thrown object hazard, mower—keep the deflector in place.
3. Cutting/dismemberment of hand or foot—stay away from moving parts.

Setup

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

Loose Parts

DESCRIPTION	QTY.	USE
Weight	1	Installing the front weight
Bolt, 3/8 x 2-1/4 inch	2	
Locknut, 3/8 inch	2	
Washer, 3/8 inch	4	
Bagger Quick Attach Bracket	1	Installing the quick attach bracket
Bolt, 3/8 x 1 inch	4	
Locknut, 3/8 inch	4	
Washer, 3/8 inch	4	
Frame assembly	1	Assembling the bagger
Bagger cover	1	
Locknuts, 1/4 inch	2	
Bagger	1	Installing the bagger assembly
Grass Bag	2	
Pivot rod	1	Installing the new pivot rod
Nut	1	
High lift blade	2	Installing the new blades for model 74214 only
Chute	1	Installing the chute and discharge tube
Discharge tube	1	
Decal	1	Installing the decal on International units only

Installing the Front Weight

! **Caution** !

The bagger adds a lot of weight to the rear of the machine and may cause an unstable condition which could result in a loss of control.

- **Install the front weight.**

Installing the front weight procedure can be done at anytime during the setup.

1. Lift up the footrest and temporarily remove it from the machine (Fig. 2).

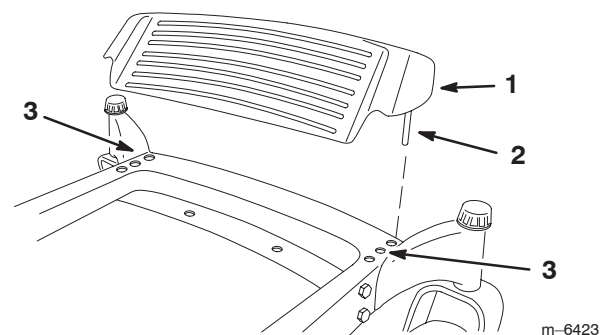


Figure 2

1. Footrest
2. Rod
3. Hole positions

2. Install the front weight to the bottom footrest frame with 2 bolts (3/8 x 2-1/4 inch), 4 washers (3/8 inch) and 2 nuts (3/8 inch) (Figure 3).

Note: Make sure the weight is installed as shown in Figure 3.

3. Install the footrest into the footrest frame while placing the rods in the same hole positions (Fig. 2).

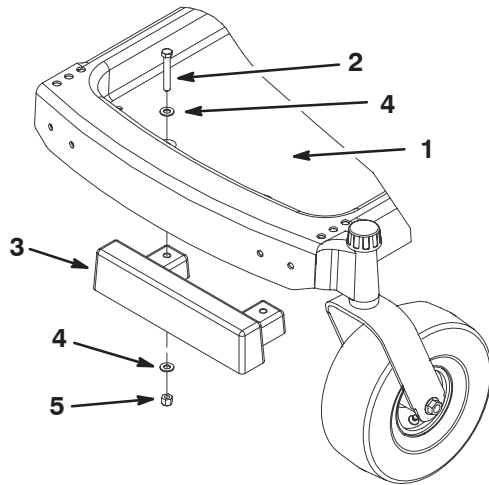


Figure 3

- | | |
|---------------------------|---------------------|
| 1. Footrest frame | 4. Washer, 3/8 inch |
| 2. Bolt, 3/8 x 2-1/4 inch | 5. Nut, 3/8 inch |
| 3. Front weight | |

Important When you remove the twin bagger, remember to remove the front weight.

Installing the Quick Attach Bracket

1. From the back of the mower, slide the quick attach bracket along the outside of the rear frame.
2. Align the holes in the rear frame and the bagger mounting bracket (Fig. 4).
3. Secure the bagger mounting bracket to the rear frame with 4 bolts (3/8 x 1 inch), 4 washers (3/8 inch), and 4 locknuts (3/8 inch) (Fig. 4).

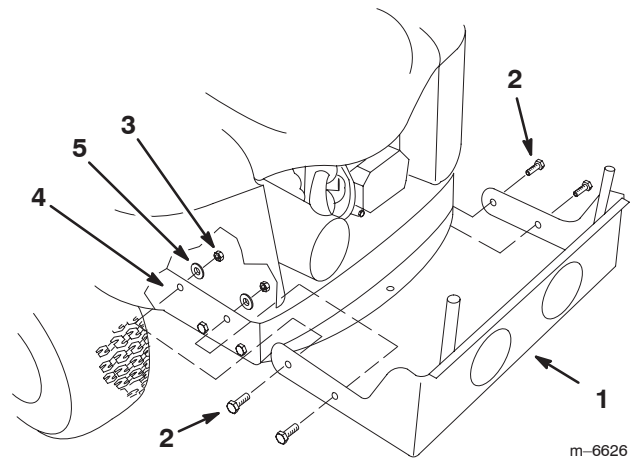


Figure 4

- | | |
|-------------------------|---------------------|
| 1. Quick attach bracket | 4. Rear frame |
| 2. Bolts, 3/8 x 1 inch | 5. Washer, 3/8 inch |
| 3. Locknut, 3/8 inch | |

Assembling the Bagger

Note: If the frame assembly is not installed to the bagger cover, use the following instructions for installing it.

1. Install the frame assembly to the bagger cover with 2 locknuts (1/4 inch) (Fig. 5).

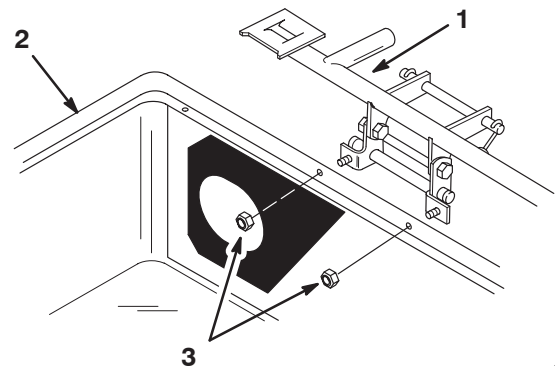
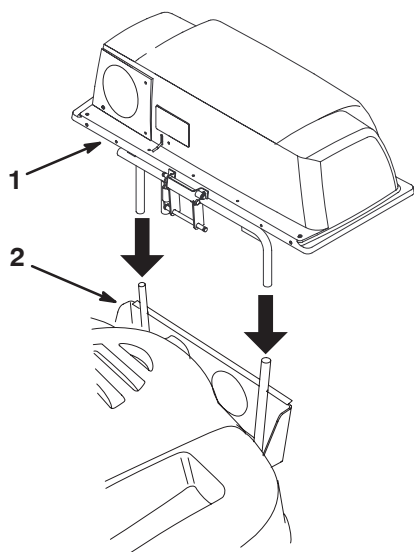


Figure 5

- | | |
|-------------------|----------------------|
| 1. Frame assembly | 3. Locknut, 1/4 inch |
| 2. Bagger cover | |

Installing the Bagger Assembly

1. Carefully lift the bagger top and slide it onto the quick attach bracket (Fig. 6). The bagger top is easier to install if two people work together.



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Figure 6

1. Bagger top
2. Quick-attach bracket



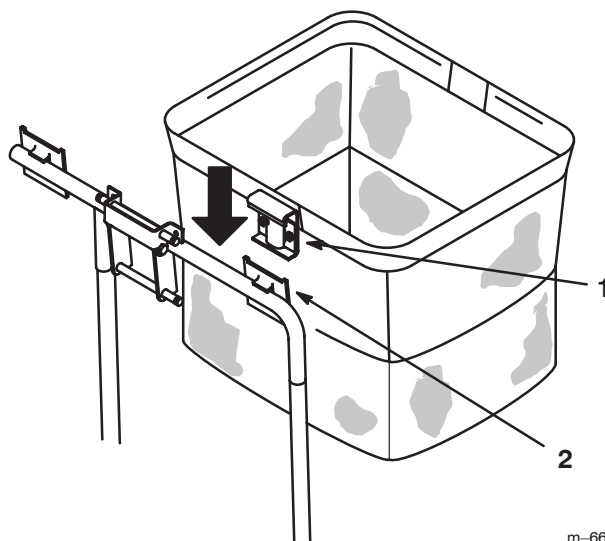
Caution



If you remove the spring-loaded bagger top when it is closed (in the down position), the top may suddenly fly open and you or someone else may be bruised, pinched, or injured in another way.

Always open (raise) the bagger top before you remove or install it on the quick-attach bracket.

2. Install the bags by sliding the bag frame hooks onto the retaining brackets (Fig. 7).

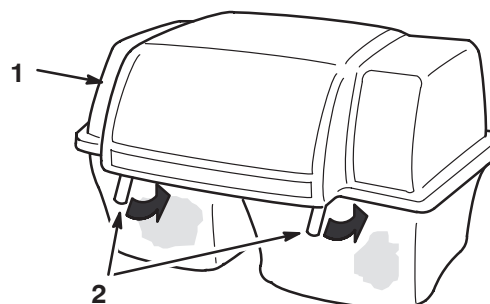


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Figure 7

1. Bag frame hook
2. Retaining bracket

3. Lower the bagger top onto the bags. Then push down on both bag retainer handles until they lock on the bag frame (Fig. 8).



m-6628

Figure 8

1. Bagger top
2. Bag retainer handles

Installing the New Pivot Rod

1. Lift the grass deflector and remove the mulch plug, if present.
2. Remove the nut, under the mower, holding the pivot rod and grass deflector to the mower (Fig. 9).
3. Remove the pivot rod and grass deflector from the mower (Fig. 9)

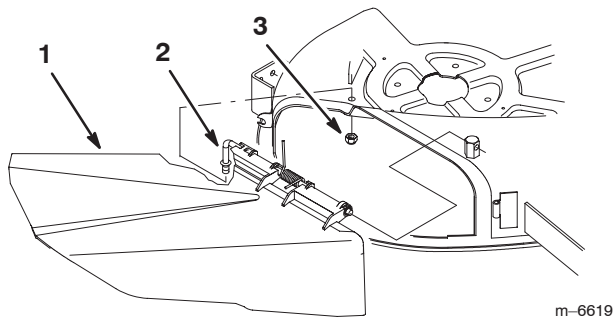


Figure 9

- | | |
|--------------------|--------|
| 1. Grass deflector | 3. Nut |
| 2. Pivot rod | |

4. Insert the new pivot rod into the short stand-off on the deck. Secure the rear end of rod into the mower with a nut (3/8 inch) (Fig. 10).

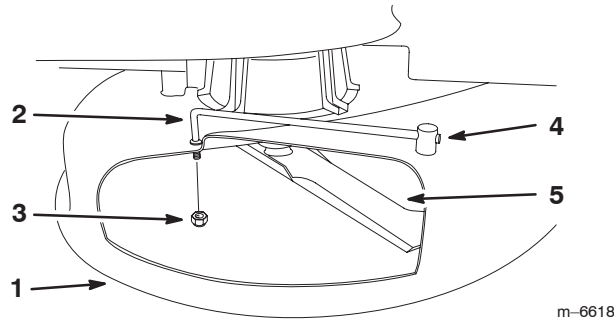


Figure 10

- | | |
|--------------|---------------------|
| 1. Mower | 4. Stand off |
| 2. Pivot rod | 5. Right side blade |
| 3. Nut | |

Installing the Blades for Model 79214 Only (42 inch Mower)

1. Hold the blade using a rag or thickly-padded glove (Figures 10 and 11).
2. Remove the blade bolt, curved washer, blade stiffener, and blade from the spindle shaft (Fig. 11).
3. Install the blade onto the spindle shaft (Fig. 11).

Important The curved part of the blade must be pointing upward toward the inside of the mower to ensure proper cutting.

4. Install the blade stiffener, the curved washer (cupped side toward the blade) and the blade bolt (Fig. 11). Torque the blade bolt to 35–65 ft-lb (47–88 N·m).

5. Repeat steps 1 through 4 for the opposite blade.

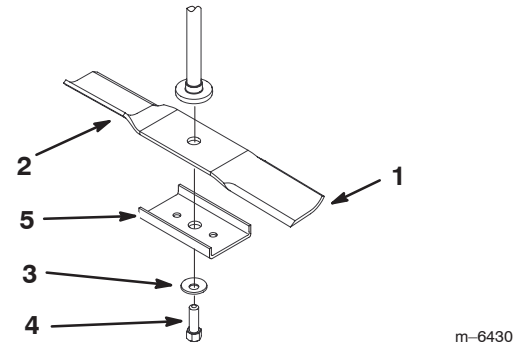


Figure 11

- | | |
|-----------------------|--------------------|
| 1. Sail area of blade | 4. Blade bolt |
| 2. Blade | 5. Blade stiffener |
| 3. Curved washer | |

Installing the Chute and Discharge Tube

1. Slide the chute into position with the rear hook around the deflector rod and the front latch aligned. Insert the locking pin (Fig. 12).
2. Hook the flexible latch on the chute into the notched bracket on the back of the mower (Fig. 12)

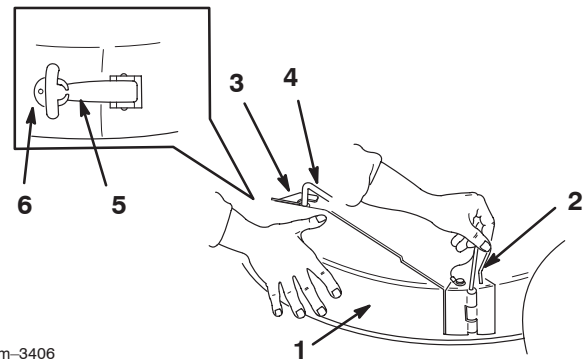


Figure 12

- | | |
|----------------|--------------------|
| 1. Chute | 4. Deflector rod |
| 2. Locking pin | 5. Flexible latch |
| 3. Rear hook | 6. Notched bracket |

3. Slide the discharge tube into the opening in the grass catcher (Fig. 13).
4. Slide the discharge tube over the end of the chute, ensuring that the tab on the chute snaps into the square hole in the discharge tube (Fig. 13).

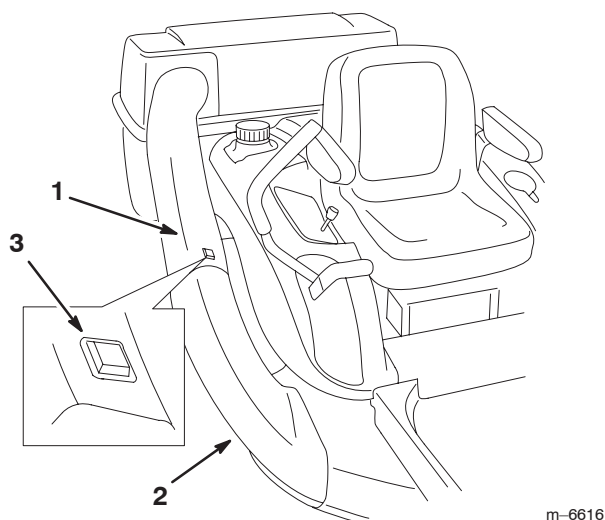


Figure 13

1. Discharge tube
2. Chute
3. Tab

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Installing the Decal on International Models Only

Note: The decal included with this bagger is for international mowers only.

Place the international decal directly over the English decal.

1. Thoroughly clean the area where you will install the decal.
2. Dampen the area with water or mildly soapy water.
3. Peel the decal from the backing and install it in place.
4. Squeegee across the surface of the decal, starting at the center of the decal and working toward the edges, using overlapping strokes.

Removing the Bagger



Warning



An uncovered discharge opening could allow the lawn mower to throw objects in the operator's or bystander's direction and result in serious injury. Also, contact with the blade could occur.

Never operate the lawn mower unless you install a cover plate, a mulch plate, or a grass chute and catcher.

1. Push on the tab on the chute and pull the discharge tube free from the chute and grass catcher (Fig. 13)
2. Release the flexible latch and remove the locking pin securing the chute to the mower. Remove the chute from the mower (Fig. 12).
3. Raise the bagger top and remove the grass bags from the bag frame (Fig. 14).

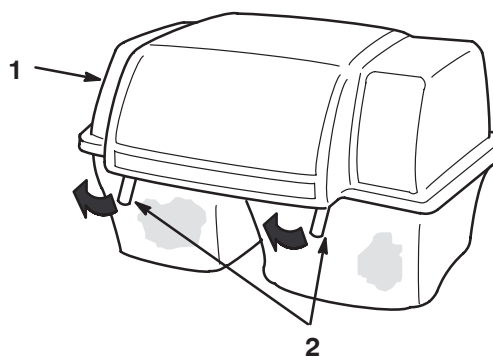


Figure 14

1. Bagger top
2. Bag retainer handles

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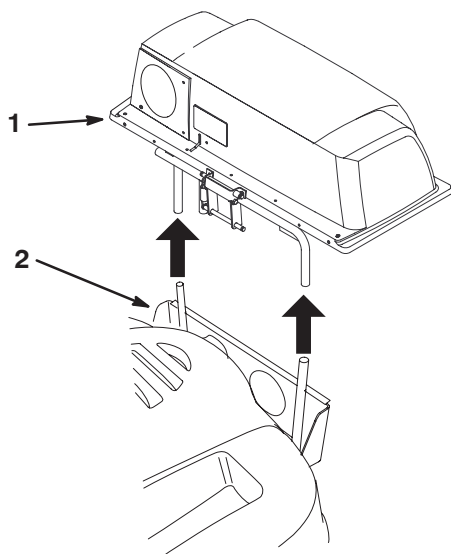
Warning



If you remove the spring-loaded bagger top when it is closed (in the down position), the top may suddenly fly open and you or someone else may be bruised, pinched, or injured in another way.

Always open (raise) the bagger top before you remove or install it on the quick-attach bracket.

4. Carefully lift the bagger top and slide it off the quick attach bracket (Fig. 15). The bagger top is easier to remove if two people work together.



m-6617

Figure 15

1. Bagger top
2. Quick-attach bracket

5. Store all bagger parts in a convenient place.

Replacing the Grass Deflector



Warning

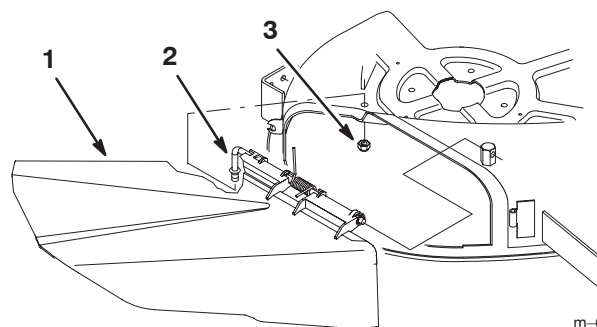


An uncovered discharge opening could allow the lawn mower to throw objects in the operator's or bystander's direction and result in serious injury. Also, contact with the blade could occur.

Never operate the lawn mower unless you install a cover plate, a mulch plate, or a grass chute and catcher.

1. Locate the grass deflector and hardware in Figure 16.
2. Insert the rod at the front of grass deflector into the short stand-off on the deck. Secure the rear part of the rod into the mower with a nut (3/8 inch) (Fig. 16).

Important The grass deflector must be spring loaded in the down position. Lift the deflector up to test that it snaps to the full down position.



m-6619

Figure 16

1. Grass deflector
2. Pivot rod
3. Nut, 3/8 inch

Operation

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



Warning



To avoid personal injury, follow these procedures:

- Become familiar with all operating and safety instructions in the operator's manual for the mower before using this attachment.
- Never remove the discharge tube, bags, bagger top, or the chute while the engine is running.
- Always shut the engine off and wait for all moving parts to stop before clearing an obstruction from the bagging system.
- Never do maintenance or repairs while the engine is running.

Emptying the Grass Bags

Be careful when lifting or handling a grass bag that is full. To empty the grass bags:

1. Stop the mower, set the parking brake, and disengage the power take off (PTO).
2. Pull up on both bag retainer handles until they unlock from the bag frame (Fig. 8). Open (raise) the bagger top.
3. Compress debris into the bags. With both hands, lift up on the bag and unhook it from the retaining bracket (Fig. 7). Empty the bag. Repeat the procedure for the other bag.

4. Install the bags by sliding the bag frame hooks onto the retaining brackets (Fig. 7).
5. Lower the bagger top onto the bags. Then push down on both bag retainer handles until they lock on the bag frame (Fig. 8).

Clearing Obstructions from the Bagger

1. Stop the mower, shift into neutral, set the parking brake, disengage the PTO, stop the engine, and remove the ignition key. Wait for all moving parts to stop.
2. Check the grass bags and empty them if they are full.
3. Remove and separate the discharge tube and chute from the bagger top and mower. Using a stick or similar object, carefully remove and clear the obstruction from the mower, discharge tube, chute, and the bagger top.
4. After you remove the obstruction, install the complete bagger system and resume operation.

Operating and Bagging Tips

Size

Remember that the mower is longer and wider with this attachment installed. By turning too sharply in confined places you may damage the attachment.

Trimming

Always trim with the left side of the mower. Do not trim with the right side of the mower because you could damage the bagger's chute and discharge tube.

Cutting Height

Do not set the mower cutting height too low because long grass surrounding the mower can prevent air from getting under the mower and entering the bagging system. If enough air doesn't get under the mower, the bagging system will plug.

Cutting Frequency

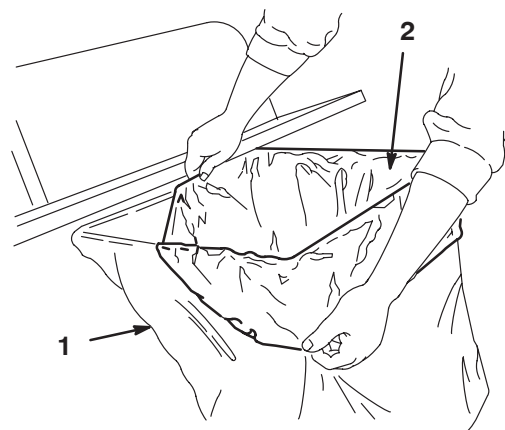
Cut the grass often, especially when it grows rapidly. You will have to cut your grass twice if it gets excessively long (refer to Bagging Long Grass, page 11).

Cutting Technique

For best lawn appearance, be sure to slightly overlap the mower into the previously cut area. This helps reduce the load on the engine and reduces the chance of plugging the chute and discharge tube.

Using Bag Liners

Although not required, bags may be inserted into each grass bag a liner to collect clippings and make disposal more convenient (Fig. 17). If you use a bag liner, remove the filled grass bag and close the top of the liner. Then pull the liner out the grass bag or turn the bag upside down while holding the handle on the bottom of the grass bag, allowing the liner to slide out.



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Figure 17

1. Cloth grass bag

2. Bag (liner)

Bagging Speed

Most often you will bag with the mower throttle in the Fast position and drive at a normal ground speed. However, in extremely dry and dusty grass, you may want to slightly reduce the throttle speed and increase the ground speed of the mower. The bagging system may plug if you drive too fast and the engine speed gets too slow. On hills it may be necessary to slow the mower ground speed. This helps maintain the engine speed and bagging efficiency. Mow downhill whenever possible.



Caution



As the bagger fills, extra weight is added to the back of the machine. If you stop and start suddenly on hills, you may lose steering control or the machine may tip.

- Do not start or stop suddenly when going uphill or downhill. Avoid uphill starts.
- If you do stop the machine when going uphill, disengage the PTO. Then back down the hill using a slow speed.
- Do not change speeds or stop on slopes.

Bagging Long Grass

Excessively long grass is heavy and may not be propelled completely into the grass bags. If this happens, the discharge tube and chute may plug. To avoid plugging the

bagging system, mow the grass at a high height of cut, then lower the mower to your normal cutting height and repeat the bagging process.

Bagging Wet Grass

Always try to cut grass when it is dry because your lawn will have a neat appearance. If you must cut wet grass, use the conventional side discharge feature of the mower. Several hours later, when the clippings are dry, install the complete bagger attachment and vacuum up the grass clippings.

Signs of Plugging

As you are bagging, a small amount of grass clippings normally blow out the front of the mower. An excessive amount of clippings blowing out indicates that the bags are full or the system is plugged.

Maintenance

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

Recommended Maintenance Schedule

Maintenance Service Interval	Maintenance Procedure
After each use	Clean the bagger
After the first 10 operating hours, and monthly thereafter	Inspect the bagger
Storage Service	• Clean the bagger • Inspect the bagger • Paint chipped surfaces



Caution



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

Remove the key from the ignition and disconnect the wire from the spark plug before you do any maintenance. Set the wire aside so that it does not accidentally contact the spark plug.

Inspecting the Bagger Attachment

Inspect the bagger attachment after the first 10 hours of operation, and monthly thereafter.

1. Check the chute, discharge tube, and the bagger top. Replace these parts if they are cracked or broken.
2. Tighten all nuts, bolts, and screws.
3. Inspect the grass bags for deterioration.

**Warning**

You or bystanders could be severely injured by flying debris or thrown objects that may pass through torn, worn, or deteriorated grass bags.

- **Frequently check the grass bags for holes, rips, wear, and other deterioration.**
- **Do not wash the grass bags.**
- **If the bag has deteriorated, install new grass bags supplied by the manufacturer of this bagger attachment.**

Storing the Bagger Attachment

1. Clean the bagger attachment; refer to Cleaning the Bagger Attachment, page 12.
2. Inspect the bagger attachment for damage; refer to Inspecting the Bagger Attachment, page 12.
3. Make sure the grass bags are empty and thoroughly dry.
4. Store the bagger in a clean, dry place, out of direct sunlight. This protects the plastic parts and extends the life of the bagger. If you must store the bagger outside, cover it with a weatherproof cover.

Inspecting the Mower Blades

1. Inspect the mower blades regularly and whenever a blade strikes a foreign object.
2. If the blades are badly worn or damaged, install new blades. Refer to your mower or mower operator's manual for complete blade maintenance.

Caring for the Grass Bags

Washing the grass bags is not recommended.

To prevent rapid deterioration of the bag material, store the bags where they will dry completely after each use.

Cleaning the Bagger Attachment

1. After each use, remove and wash the inside and outside of the bagger top, discharge tube, chute, and the underside of the mower, using water sprayed from a garden hose. Use a mild automotive detergent to remove stubborn dirt.
2. Make sure you remove matted grass from all parts.
3. After washing, let all of the parts dry thoroughly. Do not wash the grass bags.



Consumer
TimeCutter

The Toro Total Coverage Guarantee

A Two-Year Full Warranty
(Limited Warranty for Commercial Use)

Conditions and Products Covered

The Toro Company and its affiliate, Toro Warranty Company, pursuant to an agreement between them, jointly promise to repair any Toro Product used for normal residential purposes* if defective in materials or workmanship. The following time periods apply from the date of purchase:

<u>Products</u>	<u>Warranty Period</u>
• All TimeCutter Mowers and Attachments	2 year full warranty
• All Batteries	1 year full warranty

This warranty covers both the cost of parts and labor, and transportation within a fifteen mile radius of the servicing dealer.

This warranty applies to all consumer TimeCutter Mowers and their attachments.

* Normal residential purposes means use of the product on the same lot as your home. Use at more than one location is considered commercial use, and the commercial use warranty would apply.

Limited Warranty for Commercial Use

Toro Consumer Products and attachments used for commercial, institutional, or rental use are warranted against defects in materials or workmanship for the following time periods from the date of purchase:

<u>Products</u>	<u>Warranty Period</u>
• Air Cooled Gas Engines	90 day limited warranty
• All other items	30 day limited warranty

Instructions for Obtaining Warranty Service

If you think that your Toro Product contains a defect in materials or workmanship, follow this procedure:

1. Contact any Toro Authorized or Master Service Dealer to arrange service at their dealership. To locate a dealer convenient to you, refer to the Yellow Pages of your telephone directory (look under "Lawn Mowers") or access our website at www.Toro.com. U.S. Customers may also call toll free: 866-854-9035 to use our 24-hour Toro dealer locator system.
2. Bring the product and your proof of purchase (sales receipt) to the Service Dealer.

If for any reason you are dissatisfied with the Service Dealer's analysis or with the assistance provided, contact us at:

Customer Care Department, Consumer Division
Toro Warranty Company
8111 Lyndale Avenue South
Bloomington, MN 55420-1196
Toll Free: 866-216-6029 (U.S. customers)
Toll Free: 866-216-6030 (Canada customers)

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. If all other remedies fail, you may contact us at Toro Warranty Company.

Owner Responsibilities

You must maintain your Toro Product by following the maintenance procedures described in the operator's manual. Such routine maintenance, whether performed by a dealer or by you, is at your expense.

Items and Conditions Not Covered

There is no other express warranty except for special emission system coverage on some products. This express warranty does not cover:

- Cost of regular maintenance service or parts, such as filters, fuel, lubricants, tune-up parts, blade sharpening, brake and clutch adjustments.
- Any product or part which has been altered or misused or required replacement or repair due to normal wear, accidents, or lack of proper maintenance.
- Repairs necessary due to improper fuel, contaminants in the fuel system, or failure to properly prepare the fuel system prior to any period of non-use over three months.
- Pickup and delivery charges for distances beyond a fifteen mile radius from an Authorized Toro Service Dealer.

All repairs covered by this warranty must be performed by an Authorized Toro Service Dealer using Toro approved replacement parts.

General Conditions

Repair by an Authorized Toro Service 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.

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.