

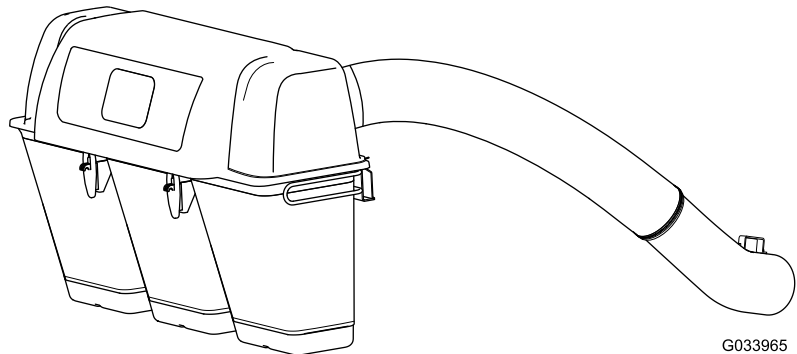


Count on it.

Operator's Manual

Triple Bagger Hopper Kit Groundsmaster® 360 and 7200 Series Traction Unit

Model No. 31211—Serial No. 316000001 and Up



G033965

⚠ WARNING

CALIFORNIA Proposition 65 Warning

This product contains a chemical or chemicals known to the State of California to cause cancer, birth defects, or reproductive harm.

This product complies with all relevant European directives. For details, please see the separate product specific Declaration of Conformity (DOC) sheet.

Introduction

Important: In order to install this kit, you must first install the correct blower kit (Model 31212 or 31213) and hitch kit (Model 130-8716, 130-8717, or 130-8718) on the machine.

You must also install the weight bracket (Model 125-2670) and 4 weights (Model 114-4096) on Groundsmaster 7200/7210 machines before installing this kit.

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 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.

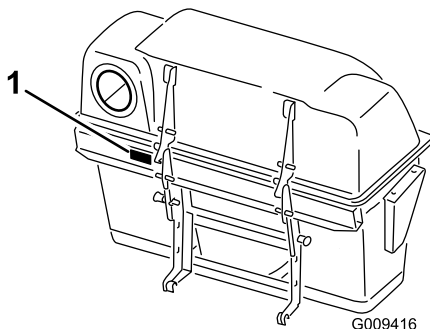


Figure 1

1. Bagger hopper 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.



Figure 2

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.

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Safety

The following list contains safety information specific to Toro products and other safety information you must know.

- Become familiar with the safe operation of the equipment, with the operator controls, and safety signs.
- Use extra care with grass catchers or other attachments. These can change the operating characteristics and the stability of the machine.
- Follow the manufacturer's recommendations for adding or removing wheel weights or counterweights to improve stability.
- Do not use a grass catcher on steep slopes. A heavy grass catcher could cause loss of control or overturn the machine.
- Slow down and use extra care on hillsides. Be sure to travel in the recommended direction on hillsides. Turf conditions can affect the stability of the machine. Use extreme caution while operating near drop-offs.
- Keep all movement on slopes slow and gradual. Do not make sudden changes in speed, directions or turning.
- The grass catcher can obstruct the view to the rear. Use extra care when operating in reverse.
- Use care when loading or unloading the machine into a trailer or truck.
- Never operate with the discharge deflector raised, removed or altered, unless using a grass catcher.
- Keep your hands and feet away from moving parts. Do not make adjustments with the engine running.
- Stop on level ground, disengage drives, chock or block wheels, shut off engine before leaving the operator's position for any reason including emptying the grass catcher or unclogging the chute.
- If you remove the grass catcher, be sure to install any discharge deflector or guard that might have been removed to install the grass catcher. Do not operate the machine without either the entire grass catcher or the grass deflector in place.
- Shut off the engine before removing the grass catcher or unclogging the chute.
- Do not leave grass in grass catcher for extended periods of time.
- Grass catcher components are subject to wear, damage and deterioration, which could expose moving parts or allow objects to be thrown. Frequently check components and replace with manufacturer's recommended parts, when necessary.

Setup

Loose Parts

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

Procedure	Description	Qty.	Use
1	No parts required	–	Prepare the machine.
2	Adapter Screw (1/2 x 3-1/2 inches) Locknut (1/2 inch)	1 2 2	Install the bagger adapter.
3	Hood assembly Bag Pin and hairpin-cotter assembly	1 3 2	Install the hood assembly and bags.
4	Upper tube Lower tube Hose clamp	1 1 2	Install the discharge tubes.
5	No parts required	–	Adjust the parking brake.
6	No parts required	–	Check the tire pressure.

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

1

Preparing the Machine

No Parts Required

Procedure

Perform the following procedure to prepare the machine for attaching the blower and finishing kit.

1. Disengage the PTO, move the motion-control levers to the NEUTRAL-LOCK position, and set the parking brake.
2. Shut off the engine, remove the key, and wait for all moving parts to stop before leaving the operating position.
3. Repair all bent or damaged areas of machine deck and replace any missing parts.
4. Clean the machine of any debris on the deck or rear part of the machine to ease installation.

2

Installing the Bagger Adapter

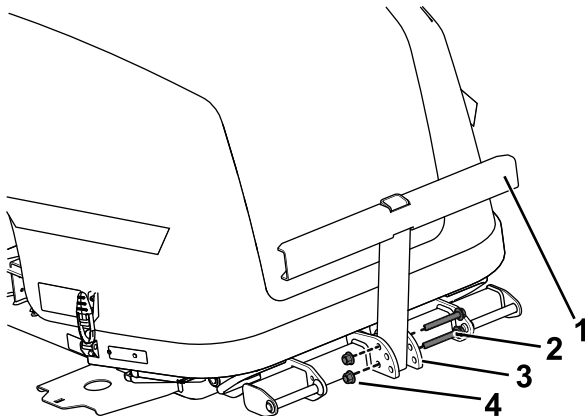
Parts needed for this procedure:

1	Adapter
2	Screw (1/2 x 3-1/2 inches)
2	Locknut (1/2 inch)

Procedure

Install the adapter onto the hitch of the machine with 2 screws (1/2 x 3-1/2 inches) and 2 locknuts (1/2 inch) as shown in [Figure 3](#).

Note: To install the hitch, refer to the hitch kit installation instructions.



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Figure 3

1. Adapter
2. Screw (1/2 x 1-3/4 inches)
3. Hitch
4. Locknut (1/2 inch)

3

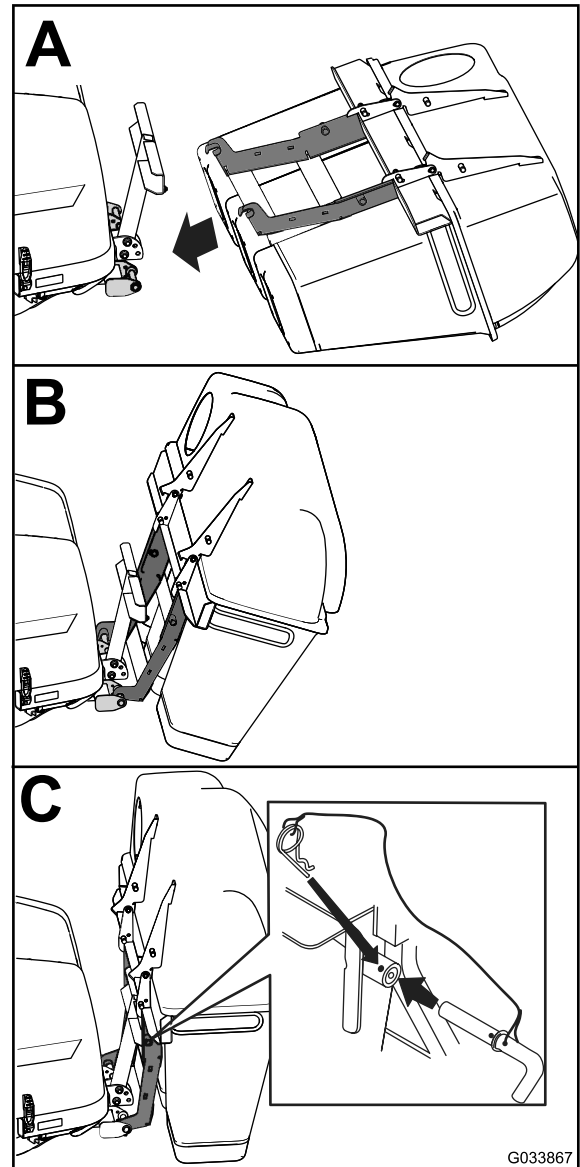
Installing the Hood Assembly and Bags

Parts needed for this procedure:

1	Hood assembly
3	Bag
2	Pin and hairpin-cotter assembly

Procedure

1. Position the hood assembly on its back.
2. Slide the hooks onto the lower mounting bracket (A of [Figure 4](#)).
3. Rotate the hood assembly onto the lower bagger mounting bracket (B of [Figure 4](#)).
4. Align the hole in the bagger with the upper mounting bracket (C of [Figure 4](#)).
5. Install the pin and secure it with the hairpin cotter on both sides (C of [Figure 4](#)).



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Figure 4

6. Install the bag tab into the notch in the hood assembly (Figure 5).

Note: Do this for all the bags.

Note: The bags should rest on the bagger frame.

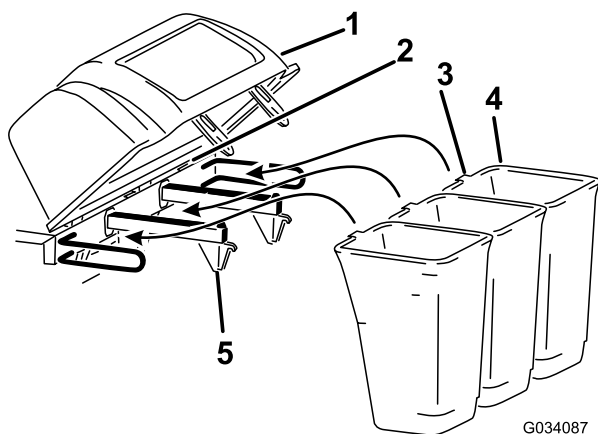


Figure 5

- | | |
|------------------|-----------------|
| 1. Hood assembly | 4. Bag |
| 2. Notch | 5. Bagger frame |
| 3. Bag tab | |

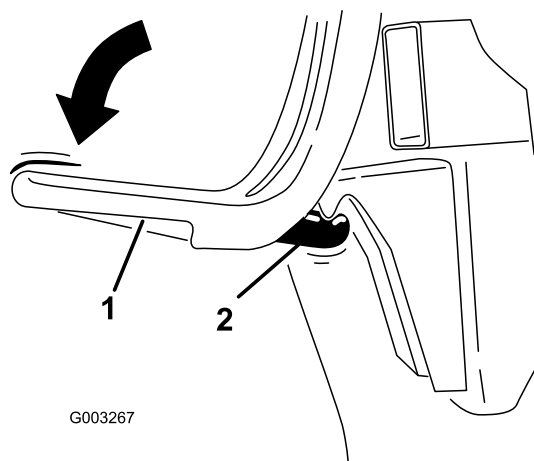


Figure 7

- | | |
|-----------------|---------------|
| 1. Bagger latch | 2. Latch hook |
|-----------------|---------------|

7. Lower the bagger hood over the bags (Figure 6).

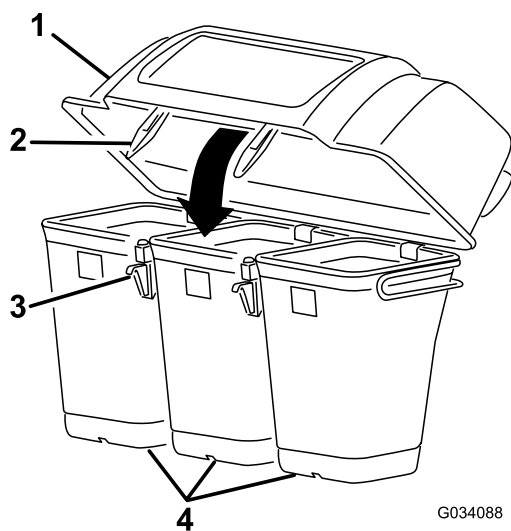


Figure 6

- | | |
|-----------------|---------------|
| 1. Hood | 3. Latch hook |
| 2. Bagger latch | 4. Bag |

8. Position the bagger latch under the latch hook (Figure 7).
9. Push down on bagger latch until it locks into place (Figure 7).

4

Installing the Discharge Tubes

Parts needed for this procedure:

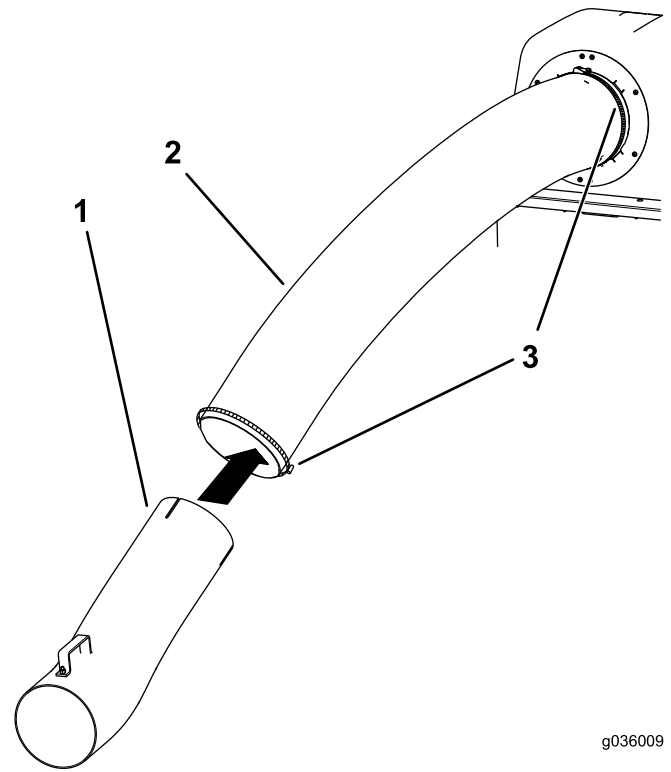
1	Upper tube
1	Lower tube
2	Hose clamp

Procedure

Important: Make sure that the mower deck is in the lowest height-of-cut position while installing the discharge tubes.

Note: Remember to replace the grass deflector when the bagger is removed from the machine; refer to the blower installation instructions.

1. Disengage the PTO and set the parking brake.
2. Shut off the engine, remove the key, and wait for all moving parts to stop before leaving the operating position.
3. Lower the machine deck to the lowest height-of-cut position.
4. Install the upper tube onto the curved tube that is already connected to the blower hood and secure the tubes with a hose clamp (Figure 8).
5. Slide the lower tube into the upper tube (Figure 8).
6. Secure the lower tube and upper tube with a hose clamp.

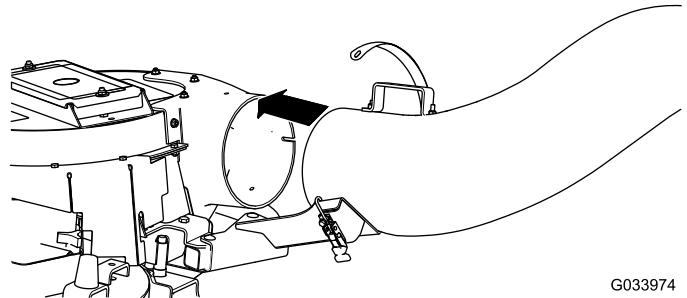


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Figure 8

1. Lower tube
2. Upper tube
3. Hose clamp

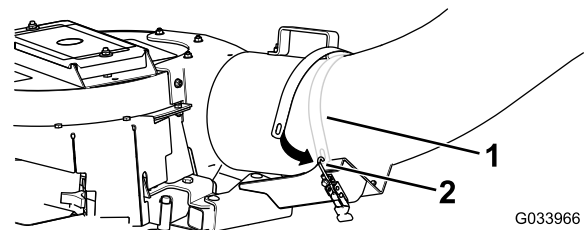
7. Connect the tube assembly to the blower (Figure 9).



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Figure 9

8. Place the latch-bracket strap over the tube and secure the tube to the blower with the latch hook (Figure 10).



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Figure 10

1. Latch-bracket strap
2. Latch hook

5

Adjusting the Parking Brake

No Parts Required

Procedure

Check to make sure the parking brake is adjusted properly. Refer to your *Operator's Manual* for the correct procedure.

6

Checking the Tire Pressure

No Parts Required

Procedure

Note: Increase the tire pressure due to the additional weight.

Check and increase the air pressure in the front caster wheels and rear tires (Figure 11).

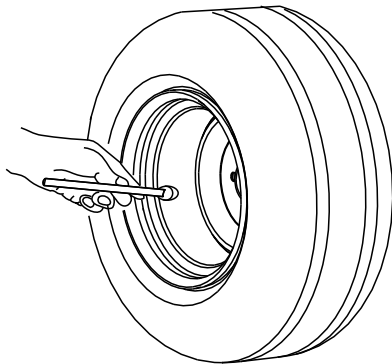
Groundsmaster 360

Air pressure in all tires: 172 kPa (25 psi)

Groundsmaster 7200

Air pressure in the rear tires: 138 kPa (20 psi)

Air pressure in the front caster wheels: 207 kPa (30 psi)



G001055

Figure 11

Operation

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

Important: Set the parking brake when leaving the machine unattended, even if just for a few minutes.

⚠ WARNING

To avoid personal injury, follow these procedures:

- Become familiar with all operating and safety instructions in the *Operator's Manual* for your machine before using this attachment.
- Never remove the bagger or bagger tubes 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.
- Set the parking brake.

⚠ WARNING

Without the grass deflector, bagger tubes or complete bagger assembly mounted in place, you and others are exposed to blade contact and thrown debris. Contact with the rotating mower blade(s) and thrown debris will cause injury or death.

- Always install the grass deflector when removing the bagger and changing to side discharge mode.
- If the grass deflector is ever damaged, replace it immediately. The grass deflector routes material down toward the turf.
- Never put your hands or feet under the mower deck.
- Never try to clear the discharge area or mower blades unless you move the power take-off (PTO) to off and rotate the ignition key to off. Also remove the key and pull the wire off the spark plug(s).
- Shut off the engine before unclogging the discharge chute.

⚠ CAUTION

Children or bystanders may be injured if they move or attempt to operate the machine while it is unattended.

Always remove the ignition key and set the parking brake when leaving the machine unattended, even if just for a few minutes.

Positioning the Adjustable Baffle

Adjust the baffle to position B (middle position) for bagging. Refer to the *Operator Manual* for the machine.

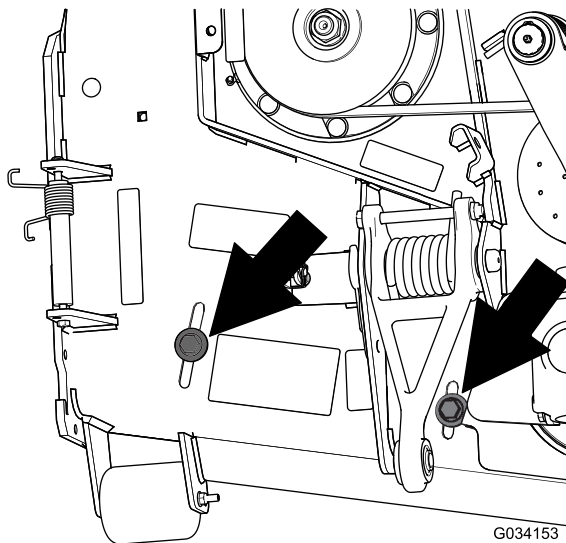


Figure 12

Emptying the Grass Bags

Grass bags are heavy when full. Be careful when lifting or handling a grass bag that is full.

1. Disengage the PTO, set the parking brake, and chock or block the tires if on a slope.
2. Unlatch the bagger latch.
3. Open the bagger hood.
4. Compress the debris into the bags. With both hands, lift up on the bag and unhook it from the bagger bracket.
5. Grab the handle on the bottom of the bag and tip it over to empty the bag (Figure 13).

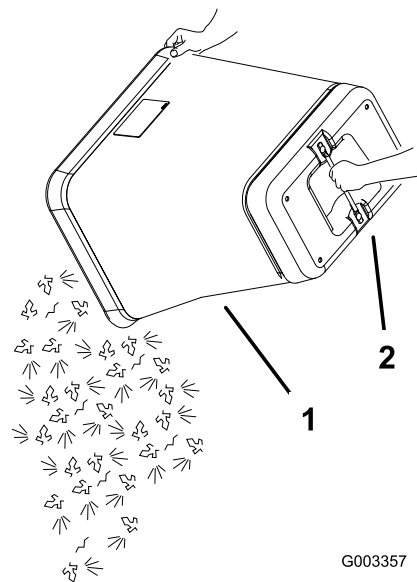


Figure 13

1. Bag
2. Bottom handle

6. Repeat for the other bags.
 7. Install the bag tab into the notch in the bagger support frame.
- Note:** Do this for all bags.
8. Lower the bagger hood over the bags.
 9. Latch the bagger hood.

Clearing Obstructions from the Bagger System

⚠ WARNING

When the bagger is in operation, the blower can be rotating and cut off or injure hands.

- Before adjusting, cleaning, repairing and inspecting the blower, and before unclogging the chute, shut off the engine and wait for all moving parts to stop. Remove the key.
 - Use a stick, not your hands, to remove an obstruction from the blower and tube.
 - Keep face, hands, feet, and any other part of your body or clothing away from concealed, moving, or rotating parts.
1. Disengage the PTO and set the parking brake.
 2. Shut off the engine, remove the key, and wait for all moving parts to stop before leaving the operating position.
 3. Empty the bags.
 4. Unlatch the lower tube.
 5. Remove the tubes from the bagger.

6. Use a stick or similar object, not your hands, to remove and clear the obstruction from the tube assembly.

Note: In most cases, the debris can be shaken out of the tubes.

7. If the blower assembly is plugged, unlatch the bagger blower assembly, remove the belt, and swing it open.
8. Use a stick or similar object, not your hands, to remove and clear the obstruction from the blower assembly.
9. After you remove the obstruction, install the complete bagger system and resume operation.

Removing the Bagger

⚠ WARNING

Components around engine will be hot if the machine has been running. Touching hot components can cause burns.

- **Do not touch engine components when hot.**
- **Allow engine to cool before removing the bagger.**

1. Disengage the PTO, set the parking brake, and chock or block the tires.
2. Shut off the engine, remove the key, and wait for all moving parts to stop before leaving the operating position.
3. Unlatch the lower tube from the blower and remove the tube from the blower assembly.
4. Remove the tube from the bagger hood.
5. Lower the mower deck to the lowest height-of-cut position.
6. Unlatch the belt cover over the mower-pulley assembly.
7. Remove the bagger belt from the mower-pulley assembly.
8. Open the blower assembly.
9. Remove the blower assembly from the pivot hole.
10. If you are changing to side discharge mode, ensure that the grass deflector is installed and can be lowered into working position.
11. Remove the hood and bag assembly.

Transporting the Machine

Do not leave grass or debris in the bagger while transporting the machine.

⚠ DANGER

Transporting the machine with grass or debris in the bagger can damage the machine.

Do not leave grass or debris in the bagger while transporting the machine.

Operating Tips

Machine Size

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

Trimming

Always trim with the left side of the mower deck. Do not trim with the right side of the mower deck because you could damage the bagging tubes.

Cutting Height

For optimum bagging performance, set the deck height-of-cut to remove no more than 51 to 76 mm (2 to 3 inches) or 1/3 of the grass height, whichever is less. Cutting off more than this will reduce the capacity of the vacuum system.

Cutting Frequency

Cut the grass often, especially when it grows rapidly. You will have to cut your grass twice if it gets excessively long.

Cutting Technique

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

Bagging Speed

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 ground speed of the machine. 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

If the grass is ever allowed to grow longer than normal, or if it contains a high degree of moisture, raise the cutting height higher than usual and cut and bag the grass at this setting. Then cut and bag the grass again using the lower, normal setting.

Excessively long grass is heavy and may not be propelled completely into the bagger. If this happens, the tube and blower may plug. To avoid plugging the bagging system, mow the grass at a high height of cut, then lower the mower deck to your normal cutting height and repeat the bagging process.

Bagging Wet Grass

If possible, always try to cut grass when it is dry. Wet grass can cause plugging.

Reducing Plugging

To avoid plugging the bagging system, reduce ground speed and mow the grass at a high height of cut, then lower the mower deck to your normal cutting height and repeat the bagging process.

Signs of Plugging

As you are bagging, a small amount of grass clippings normally blow out the front of the mower deck. An excessive amount of clipping blowout indicates that the bagger is full or the tube is plugged.

Bagging Blades

In most mowing conditions, the standard high lift blades will provide the best bagging performance.

The Toro Atomic blade is recommended for bagging leaves in dry conditions. In dry dusty conditions, the medium lift or low lift blades will reduce dust and dirt blowout while providing effective bagging air flow.

Contact an Authorized Service Dealer for the proper blades for different mowing conditions.

Curb Climbing and Loading

Always lift the deck to the highest position when loading the machine on trailers or ascending/descending a curb. Leaving the mower deck in a lower position can cause damage to the mower deck while loading and going over a curb. If a curb is higher than 152 mm (6 inches), cross it at a sharp angle with the deck fully raised. Use extreme caution when loading onto a trailer.

Maintenance

Recommended Maintenance Schedule(s)

Maintenance Service Interval	Maintenance Procedure
After the first 8 hours	• Inspect the bagger.
Before each use or daily	• Clean the hood screen. • Clean the bagger.
Every 100 hours	• Inspect the bagger.

Cleaning the Hood Screen

Service Interval: Before each use or daily

The screens need to be cleaned before each use. In wet grass they will need to be cleaned more often.

1. Disengage the power take-off (PTO) and set the parking brake.
2. Shut off the engine, remove the key, and wait for all moving parts to stop before leaving the operating position.
3. Open the bagger hood.
4. Clean the debris from the screen.
5. Close the bagger hood.

Cleaning the Bagger and Bags

Service Interval: Before each use or daily

The bagger needs to be cleaned daily.

1. Wash the inside and outside of the bagger hood, bags, tube, and the underside of the mower deck. Use a mild automotive detergent to remove dirt.
2. Make sure that you remove matted grass from all parts.
3. After washing all the parts, let them dry thoroughly.

Note: With all parts installed, start and run the machine for a minute to assist in drying.

Inspecting the Bagger

Service Interval: Every 100 hours

After the first 8 hours

1. Disengage the PTO, move the motion-control levers to the NEUTRAL-LOCK position, and set the parking brake.
2. Shut off the engine, remove the key, and wait for all moving parts to stop before leaving the operating position.
3. Check the upper tube, lower tube, bagger hood, and the blower assembly. Replace these parts if they are cracked or broken.
4. Check the bags, bagger frame, and screen. Replace any parts that are cracked, torn, or broken.
5. Tighten all nuts, bolts and screws.

Inspecting the Mower Blades

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

Installing the Mower Blades

In most mowing conditions, the standard high lift blades will provide the best bagging performance.

The Toro Atomic blade is recommended for bagging leaves in dry conditions. In dry dusty conditions, the medium lift or low lift blades will reduce dust and dirt blowout while providing effective bagging air flow.

Contact an Authorized Service Dealer for the proper blades for different mowing conditions.

Refer to the machines *Operator's Manual* for more information on installing blades.

Storage

1. Clean the bagger attachment. Refer to [Cleaning the Bagger and Bags \(page 12\)](#).
2. Inspect the bagger attachment for damage.
3. Make sure that the bags are empty and thoroughly dry.
4. Check the belt for wear or cracks.
5. Store the machine in a clean, dry place, out of direct sunlight. If you must store the machine outside, cover it with a weatherproof cover. This protects the plastic parts and extends the life of the machine.

Troubleshooting

Problem	Possible Cause	Corrective Action
There is abnormal vibration.	1. The cutting blade(s) is/are bent or unbalanced. 2. The blade mounting bolt is loose. 3. The blower pulley or pulley assembly is loose. 4. The bagger belt is worn. 5. The blower fan blade(s) is/are bent or unbalanced.	1. Install new cutting blade(s). 2. Tighten the blade mounting bolt. 3. Tighten the appropriate pulley. 4. Replace the belt. 5. Contact an Authorized Service Dealer.
There is reduced bagging performance.	1. The engine speed is low. 2. The bagger-hood screen is plugged. 3. Loose bagger belt. 4. The blower or tube is plugged. 5. The bags are full.	1. Always operate the bagger at full throttle. 2. Remove the debris, leaves or grass clippings from the screen. 3. Replace the bagger belt. 4. Locate and remove the plugged debris. 5. Empty the bags.
The blower and tubes plug too frequently.	1. The bags are too full. 2. The engine speed is low. 3. The grass is too wet. 4. The grass is too long. 5. The screen in the hood is plugged. 6. The ground speed is too fast. 7. The bagger belt is worn.	1. Dump the bags more frequently. 2. Always operate the bagger at full throttle. 3. Cut the grass when it is dry. 4. Cut no more than 51 to 76 mm (2 to 3 inches) or 1/3 of the grass height, which ever is less. 5. Remove the debris, leaves or grass clippings from the screen. 6. Drive slower at full throttle. 7. Replace the belt.
There is debris blowout.	1. The bags are too full. 2. The ground speed is too fast. 3. The mower deck is not leveled.	1. Dump the bags more frequently. 2. Drive slower at full throttle. 3. See the mower operator's manual for leveling the mower deck.
The blower impeller does not spin freely.	1. The blower is plugged. 2. The impeller is not aligned.	1. Remove the debris, leaves or grass clippings from the blower impeller. 2. Contact an Authorized Service Dealer.

International Distributor List

Distributor:	Country:	Phone Number:	Distributor:	Country:	Phone Number:
Agrolanc Kft	Hungary	36 27 539 640	Maquiver S.A.	Colombia	57 1 236 4079
Asian American Industrial (AAI)	Hong Kong	852 2497 7804	Maruyama Mfg. Co. Inc.	Japan	81 3 3252 2285
B-Ray Corporation	Korea	82 32 551 2076	Mountfield a.s.	Czech Republic	420 255 704 220
Brisa Goods LLC	Mexico	1 210 495 2417	Mountfield a.s.	Slovakia	420 255 704 220
Casco Sales Company	Puerto Rico	787 788 8383	Munditol S.A.	Argentina	54 11 4 821 9999
Ceres S.A.	Costa Rica	506 239 1138	Norma Garden	Russia	7 495 411 61 20
CSSC Turf Equipment (pvt) Ltd.	Sri Lanka	94 11 2746100	Oslinger Turf Equipment SA	Ecuador	593 4 239 6970
Cyril Johnston & Co.	Northern Ireland	44 2890 813 121	Oy Hako Ground and Garden Ab	Finland	358 987 00733
Cyril Johnston & Co.	Republic of Ireland	44 2890 813 121	Parkland Products Ltd.	New Zealand	64 3 34 93760
Fat Dragon	China	886 10 80841322	Perfetto	Poland	48 61 8 208 416
Femco S.A.	Guatemala	502 442 3277	Pratoverde SRL.	Italy	39 049 9128 128
FIVEMANS New-Tech Co., Ltd	China	86-10-6381 6136	Prochaska & Cie	Austria	43 1 278 5100
ForGarder OU	Estonia	372 384 6060	RT Cohen 2004 Ltd.	Israel	972 986 17979
G.Y.K. Company Ltd.	Japan	81 726 325 861	Riversa	Spain	34 9 52 83 7500
Geomechaniki of Athens	Greece	30 10 935 0054	Lely Turfcare	Denmark	45 66 109 200
Golf international Turizm	Turkey	90 216 336 5993	Lely (U.K.) Limited	United Kingdom	44 1480 226 800
Hako Ground and Garden	Sweden	46 35 10 0000	Solvart S.A.S.	France	33 1 30 81 77 00
Hako Ground and Garden	Norway	47 22 90 7760	Spypros Stavrinides Limited	Cyprus	357 22 434131
Hayter Limited (U.K.)	United Kingdom	44 1279 723 444	Surge Systems India Limited	India	91 1 292299901
Hydroturf Int. Co Dubai	United Arab Emirates	97 14 347 9479	T-Markt Logistics Ltd.	Hungary	36 26 525 500
Hydroturf Egypt LLC	Egypt	202 519 4308	Toro Australia	Australia	61 3 9580 7355
Irrimac	Portugal	351 21 238 8260	Toro Europe NV	Belgium	32 14 562 960
Irrigation Products Int'l Pvt Ltd.	India	0091 44 2449 4387	Valtech	Morocco	212 5 3766 3636
Jean Heybroek b.v.	Netherlands	31 30 639 4611	Victus Emak	Poland	48 61 823 8369

European Privacy Notice

The Information Toro Collects

Toro Warranty Company (Toro) respects your privacy. In order to process your warranty claim and contact you in the event of a product recall, we ask you to share certain personal information with us, either directly or through your local Toro company or dealer.

The Toro warranty system is hosted on servers located within the United States where privacy law may not provide the same protection as applies in your country.

BY SHARING YOUR PERSONAL INFORMATION WITH US, YOU ARE CONSENTING TO THE PROCESSING OF YOUR PERSONAL INFORMATION AS DESCRIBED IN THIS PRIVACY NOTICE.

The Way Toro Uses Information

Toro may use your personal information to process warranty claims, to contact you in the event of a product recall and for any other purpose which we tell you about. Toro may share your information with Toro's affiliates, dealers or other business partners in connection with any of these activities. We will not sell your personal information to any other company. We reserve the right to disclose personal information in order to comply with applicable laws and with requests by the appropriate authorities, to operate our systems properly or for our own protection or that of other users.

Retention of your Personal Information

We will keep your personal information as long as we need it for the purposes for which it was originally collected or for other legitimate purposes (such as regulatory compliance), or as required by applicable law.

Toro's Commitment to Security of Your Personal Information

We take reasonable precautions in order to protect the security of your personal information. We also take steps to maintain the accuracy and current status of personal information.

Access and Correction of your Personal Information

If you would like to review or correct your personal information, please contact us by email at legal@toro.com.

Australian Consumer Law

Australian customers will find details relating to the Australian Consumer Law either inside the box or at your local Toro Dealer.



The Toro Warranty

A Two-Year 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.