



44in Vac-Bagger
for TimeCutter Z Riding Mower Attachment
Model No. 79162—Serial No. 240000001 and Up

Operator's Manual

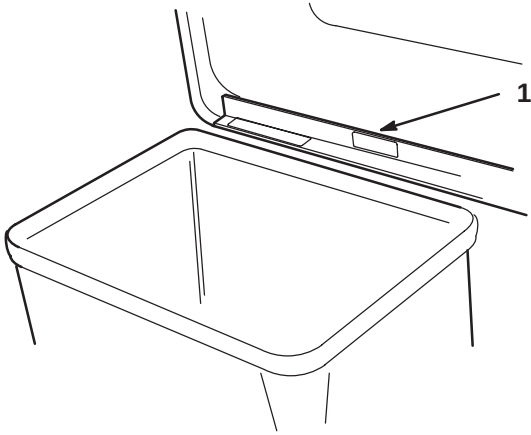
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Introduction

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

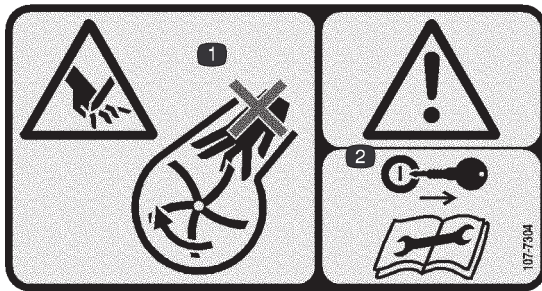


Safety decals and instructions are easily visible to the operator and are located near any area of potential danger. Replace any decal that is damaged or lost.



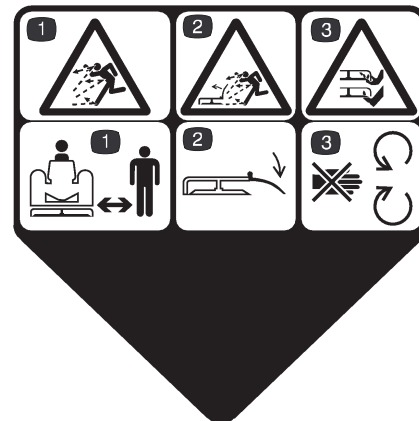
93-7320

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.



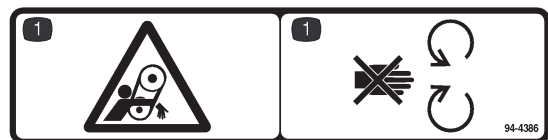
Molded into the belt cover

1. Cutting hazard of hand—do not place your hand into the impeller housing.
2. Warning—remove the ignition key and read the instructions before servicing or performing maintenance.



Molded into the belt cover

1. Thrown object hazard—keep bystanders away.
2. Throw object hazard from mower—keep the deflector in place.
3. Cutting/dismemberment hazard of hands or feet—stay away from rotating blades and moving parts.



Molded into the belt cover

1. Entanglement hazard—stay away from moving parts.

Installation

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

Note: The installation of this attachment requires the information found in the tractor *Operator's Manual*; you should have the manual at hand to reference during the installation.

Loose Parts

Note: Use the chart below to identify parts used for assembly.

Description	Qty.	Use
Blade (hi-lift)	3	Replaces the standard lift blades.
Rear grass baffle	1	Installing the rear grass baffle and grass ring
Grass ring	1	
Bolt, 1/4 x 3/4 inch	2	
Locknut, 1/4 inch	2	
Carriage bolt, 5/16 x 7/8 inch	3	
Carriage bolt, 5/16 x 2-1/2 inch	1	
Latch tube	1	
Locknut, 5/16 inch	4	
Pivot support	1	Installing the blower pivot support
Pivot bracket	1	
Spacer tube	1	
Carriage bolt, 5/16 x 4-1/2 inch	1	
Carriage bolt, 5/16 x 7/8 inch	1	
Washer, 5/16 inch	2	
Locknut, 5/16 inch	4	
Pulley	1	Installing the blower
Mower belt cover	1	
Screw, 1/4 x 1/2 inch	1	
Blower assembly	1	
Belt	1	
Blower belt cover	1	
Washer, 5/16 inch	4	
Hand knob	2	
Leveling brackets	2	Mounting the mower to the tractor
Weight	1	Installing the weight on the tractor
Bolt, 3/8 x 2-1/4 inch	2	
Washer, 3/8 inch	4	
locknuts, 3/8 inch	2	

Description	Qty.	Use
Bagger support assembly	1	Installing the bagger support assembly
Bolt, 3/8 x 1 inch	4	
Washer, 3/8 inch	4	
Locknut, 3/8 inch	4	
Discharge tube	1	Installing the bagger assembly
Grass bags	2	
Bagger top assembly	1	
Operator's manual	1	Read before operating the tractor and vac-bagger.

Preparing the Mower

Remove the mower from the tractor; refer to the tractor *Operator's Manual* for instructions.

Removing the Recycling Baffles

If you are using a recycling mower deck, you must remove the recycling baffles to use the vac-bagger.

1. Thoroughly clean the mower.
2. Remove the locknuts or knobs, and washers from the left and right side baffles (Fig. 2). Lift the baffles from the deck. Retain all parts for future installation.

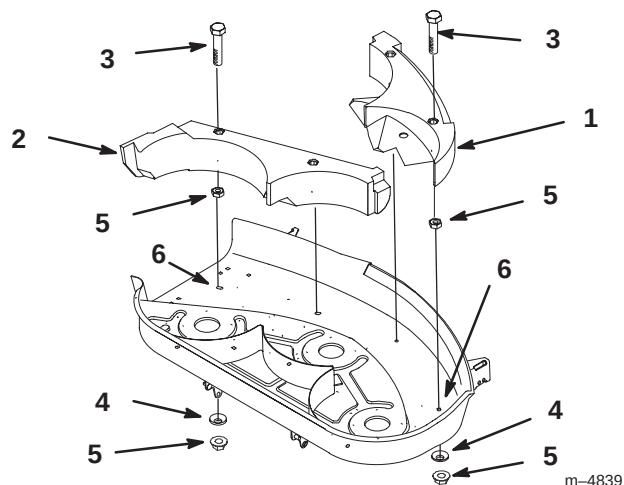


Figure 2

- | | |
|---|---------------------------------|
| 1. Baffle left side | 5. Locknut, 5/16 inch, or knobs |
| 2. Baffle right side | 6. Slotted hole |
| 3. Bolt, 5/16 x 1-1/4 inch | |
| 4. Belleville washer-concave side toward deck surface | |



Caution



Open holes in the mower expose you and others to thrown debris which could cause injury.

- Never operate the mower without hardware mounted in all holes in the mower.
- Install hardware in mounting holes when the recycling baffle is removed.

3. Install two carriage bolts (3/8 x 3/4 inch) from the underside of the mower, two washers (1/2 inch), and two locknuts (3/8 inch) in the two open slotted holes of the mower shown in Figure 2.

Note: Loose hardware is furnished with the mower deck assembly.

Installing the Hi-lift Blades

Install the hi-lift blades from the bagger in place of the standard blades; refer to the Cutting Blade section of the tractor *Operator's Manual*.

Note: The hi-lift blades are also used for Recycler[®] mowers.

Remove the Discharge Chute

Remove the discharge chute and mounting brackets from the mower (Fig. 3). Retain all parts for future installation.

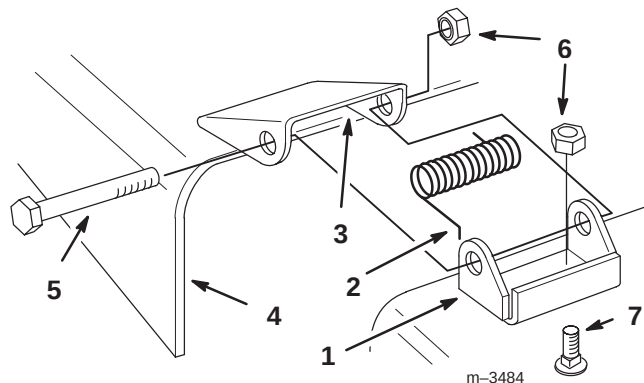


Figure 3

- | | |
|---------------------|------------------|
| 1. Bracket | 5. Bolt |
| 2. Spring hook end | 6. Locknut |
| 3. Space for spring | 7. Carriage bolt |
| 4. Discharge chute | |

Installing the Grass Baffles

Install the front grass baffle if it has been previously removed or not installed.

1. Place the front grass baffle inside the front edge of the mower. The baffle plate should rest on the front edge of the mower. The right tab on the baffle should extend 1/8 inch outside of the right edge of the mower (Fig. 4). Use a clamp to hold the baffle in place.
2. Mark where the holes in the baffle are and remove the clamp and grass baffle. Drill four holes (11/32 inch) (Fig. 4).
3. Install the grass baffle inside front edge of the mower using three carriage bolts (5/16 x 7/8 inch) and three locknuts (5/16 inch) along the front. At the right side use the carriage bolt (5/16 x 1/2 inch) and thin locknut (5/16 inch) as shown in Figure 4.

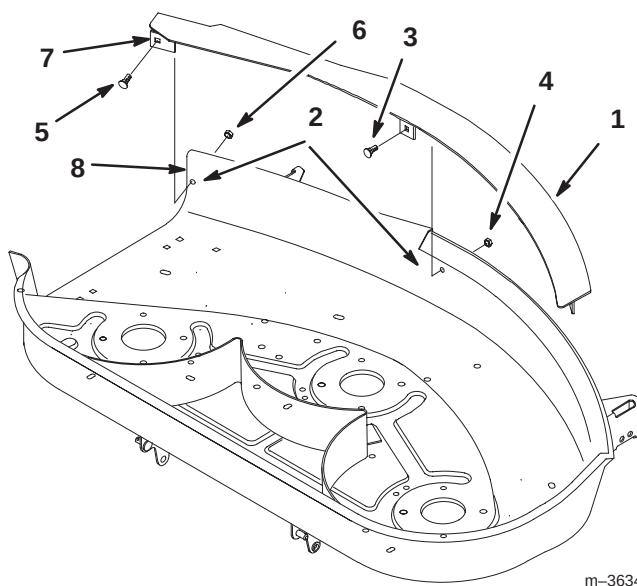


Figure 4

- | | |
|-----------------------------------|-----------------------------------|
| 1. Front grass baffle | 5. Carriage bolt, 5/16 x 1/2 inch |
| 2. Drill 11/32 inch hole | 6. Thin locknut, 5/16 inch |
| 3. Carriage bolt, 5/16 x 7/8 inch | 7. Right tab on baffle |
| 4. Locknut, 5/16 inch | 8. Right edge of mower |

4. Attach the rear grass baffle to the grass ring with two carriage bolts (5/16 x 7/8 inch) and two locknuts (5/16 inch) as shown in Figure 5.
5. Install the rear grass baffle and grass ring inside the discharge chute area. Secure the rear grass baffle to the mower with a short carriage bolt (5/16 x 7/8 inch) and a long carriage bolt (5/16 x 2-1/2 inch). Add the latch tube to the long carriage bolt above the deck and secure both bolts with two locknuts (5/16 inch) as shown in Figure 5.
6. Secure the grass ring to the mower with two bolts (1/4 x 3/4 inch) and two locknuts (1/4 inch) as shown in Figure 5.

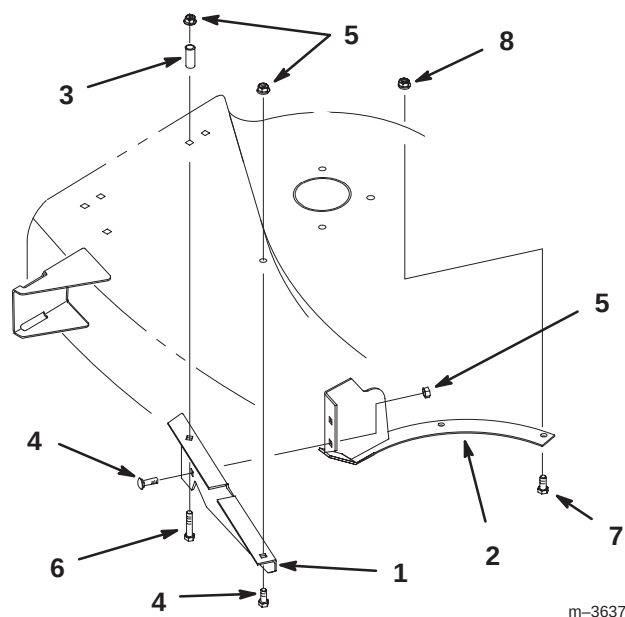


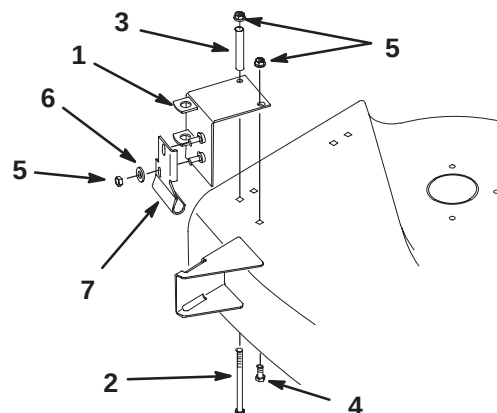
Figure 5

- | | |
|-----------------------------------|-------------------------------------|
| 1. Rear grass baffle | 5. Locknut, 5/16 inch |
| 2. Grass ring | 6. Carriage bolt, 5/16 x 2-1/2 inch |
| 3. Latch tube | 7. Bolt, 1/4 x 3/4 inch |
| 4. Carriage bolt, 5/16 x 7/8 inch | 8. Locknut, 1/4 inch |

7. Rotate the blades to make sure that they do not hit the baffles or grass ring. Adjust the baffles as needed.

Installing the Blower Pivot Support

1. Locate the pivot support on the mower over the square holes near the discharge opening (Fig. 6).



m-2017

Figure 6

- | | |
|-------------------------------------|-----------------------|
| 1. Pivot support | 5. Locknut, 5/16 inch |
| 2. Carriage bolt, 5/16 x 4-1/2 inch | 6. Washer, 5/16 inch |
| 3. Spacer tube | 7. Pivot bracket |
| 4. Carriage bolt, 5/16 x 7/8 inch | |
2. Push the vertical side (front) of the pivot support against the front of the mower and clamp it snugly, making sure the top of the pivot support lies flat on the top of the mower.
 3. Secure the pivot support to the top of the mower with a carriage bolt (5/16 x 4-1/2 inch), spacer tube, and carriage bolt (5/16 x 7/8 inch) from the underside of the mower and locknuts (5/16 inch) as shown in Figure 6.
 4. Secure the pivot bracket to the pivot support with two washers (5/16 inch) and two locknuts (5/16 inch) as shown in Figure 6.

Installing the Blower

Installing the Blower Pulley

1. Remove the mower belt cover from the right side pulley (Fig. 7).

Note: Save all parts and hardware.

2. Block the blade with a piece of wood or some other device to stop it from turning while you remove the pulley nut.
3. Remove the spindle pulley nut.

4. Thread the new blower pulley onto the spindle shaft in place of the pulley nut (Fig. 7). Torque the pulley to 35 to 65 ft-lb (47 to 88 N·m).

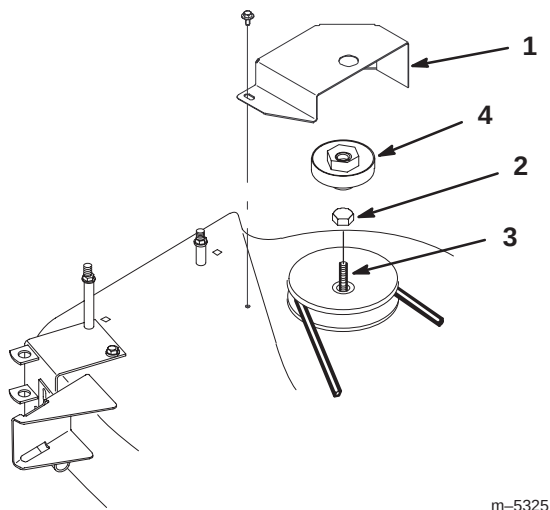


Figure 7

- | | |
|---------------|------------------|
| 1. Belt cover | 3. Spindle shaft |
| 2. Nut | 4. Blower pulley |

Installing the Blower Belt

1. Place the blower belt around the blower pulley (Fig. 8).

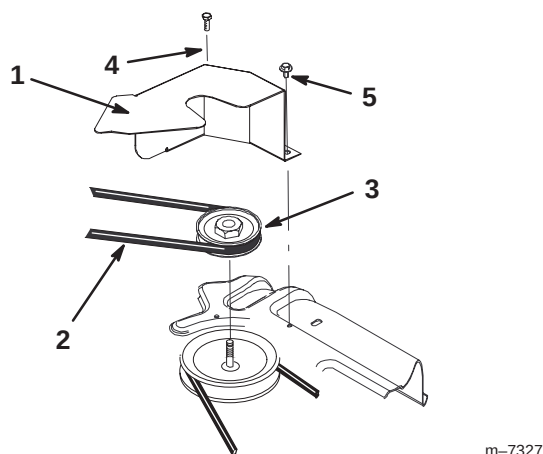


Figure 8

- | | |
|------------------|--------------------------|
| 1. Belt cover | 4. Screw (existing) |
| 2. Blower belt | 5. Screw, 1/4 x 1/2 inch |
| 3. Blower pulley | |

2. Install the belt cover using one of the existing screws and a new screw (1/4 x 1/2 inch) as shown in Figure 8.
3. Install the mower onto the tractor; refer to the tractor *Operator's Manual* for instructions.

4. Install the blower by lowering the pivot pin into the pivot support (Fig. 9).

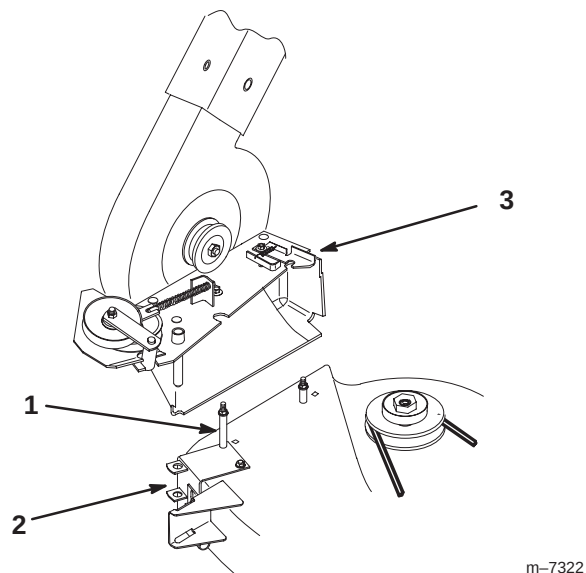


Figure 9

- | | |
|------------------|--------------------|
| 1. Pivot pin | 3. Blower assembly |
| 2. Pivot support | |

5. Open the latch and swing the blower out, away from the mower. Install the blower belt around the idler and blower pulleys as shown in Figure 10.

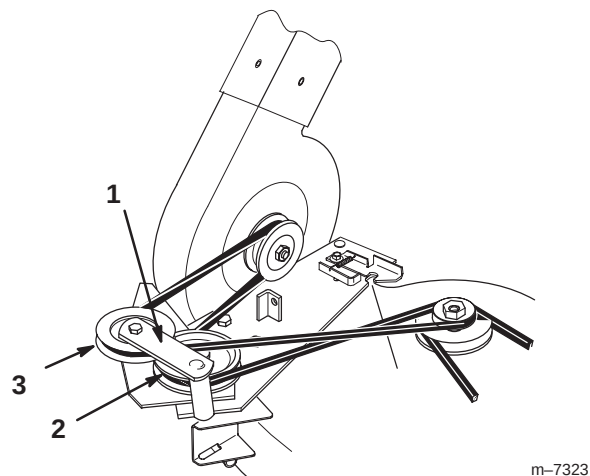


Figure 10

- | | |
|---|-----------------------------------|
| 1. Idler pulley bracket and pulley | 3. V-side of belt into top pulley |
| 2. Top side of belt against bottom pulley | |

- With the belt installed, swing the blower toward the mower until the blower latch locks over the pin at the back of the mower (Fig. 11).

Important You may have to lift the blower slightly for the latch to close. Make certain that the latch operates smoothly and closes completely.

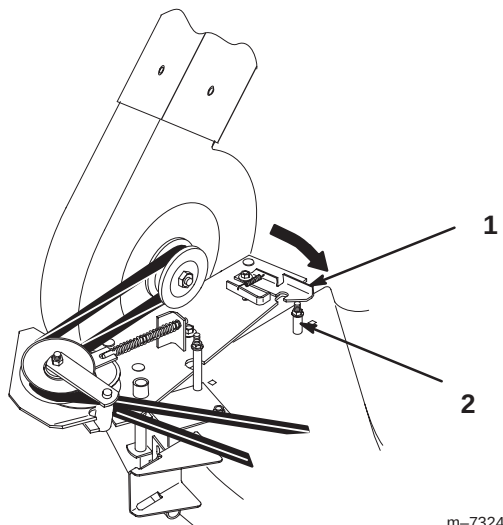


Figure 11

- Blower latch
- Pin

- Install the blower belt cover using four washers and two hand knobs (Fig. 12).

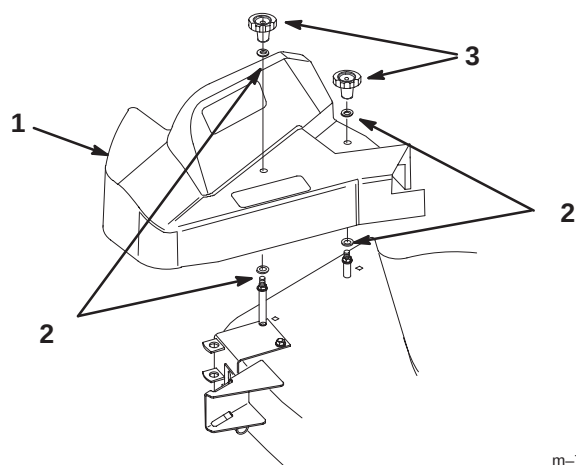


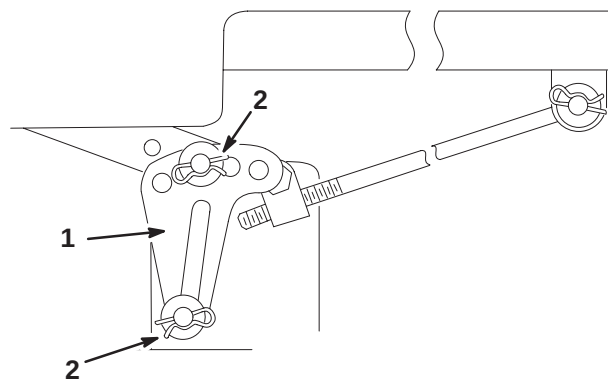
Figure 12

- Mower belt cover
- Washer
- Hand knob

Installing the Leveling Brackets

- Replace the (2) left side mower leveling brackets (slotted) with (2) new leveling brackets (hole). Secure them with the existing washers and hairpin cottes (Fig. 13).

Note: Save the slotted leveling bracket for future side discharge operation.



m-6432

Figure 13

- Slotted leveling bracket
- Washer and hairpin cotter

- Check the mower level front-to-rear and side-to-side; refer to *Tractor Operator's Manual* for instructions.

Preparing the Tractor

Installing the 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.

Attach the weight to the front of the tractor with two bolts (3/8 x 2-1/4 inch), four washers (3/8 inch), and two locknuts (3/8 inch) as shown in Figure 14.

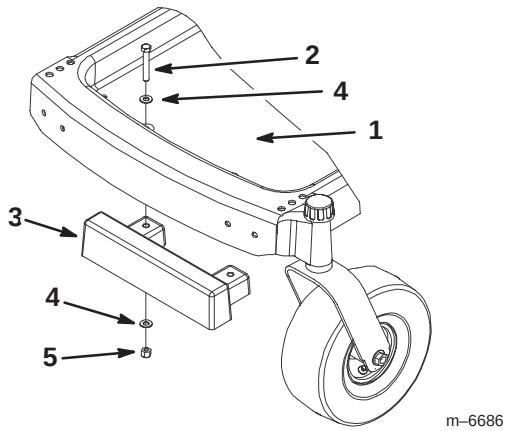


Figure 14

- | | |
|---------------------------|---------------------|
| 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 | |

Installing the Bagger Support Assembly

Attach the bagger support assembly to the tractor frame with four bolts (3/8 x 1 inch), four washers (3/8 inch), and four locknuts (3/8 inch) as shown in Figure 15.

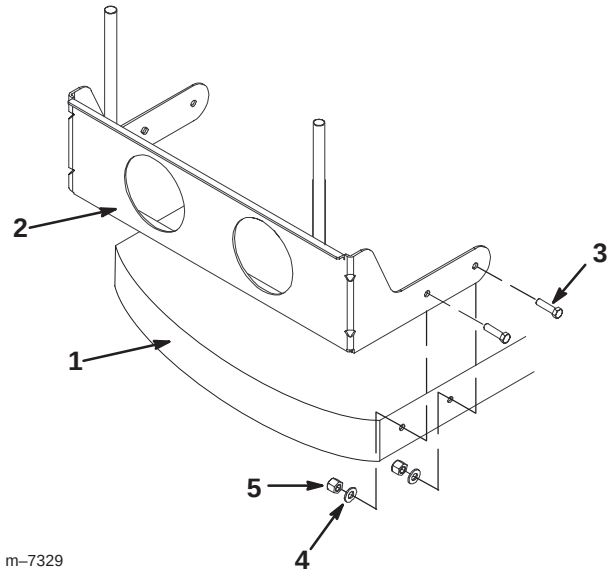


Figure 15

- | | |
|--------------------------|----------------------|
| 1. Tractor frame | 4. Washer, 3/8 inch |
| 2. Support | 5. Locknut, 3/8 inch |
| 3. Bolt, 3/8-16 x 1 inch | |

Installing the Vac-Bagger onto the Tractor

Installing the Bagger Assembly

1. Carefully lift the bagger top assembly and slide it onto the bagger support assembly (Fig. 16). The bagger top assembly is easier to install if two people work together.

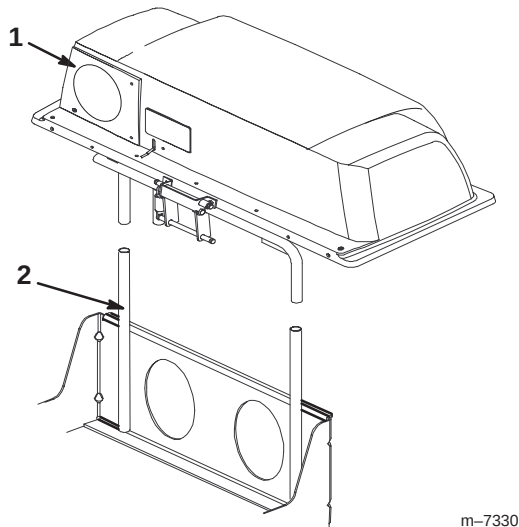


Figure 16

1. bagger top assembly
2. Support assembly



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. 17).

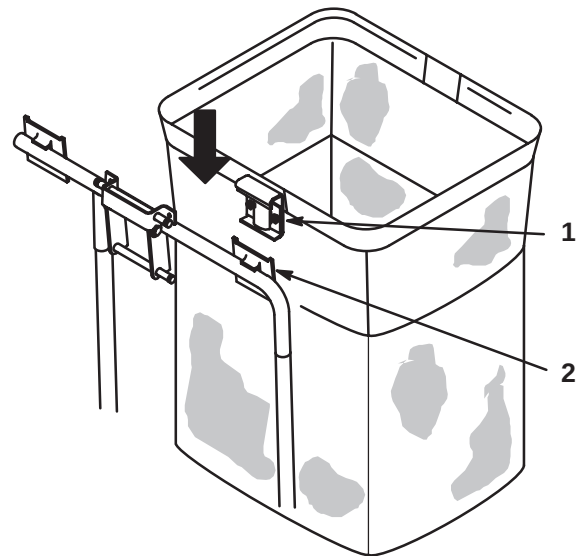


Figure 17

1. Bag frame hook
2. Retaining bracket

3. Lower the cover onto the bags. Then push down on both bag retainer handles until they lock on the bag frame (Fig. 18).

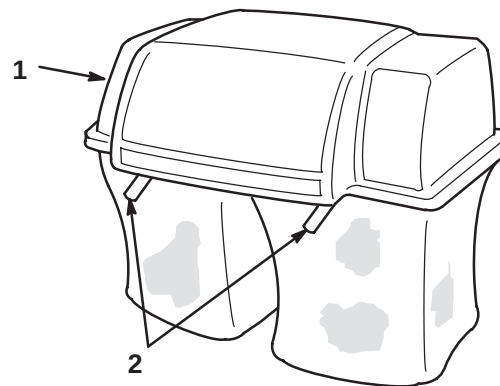


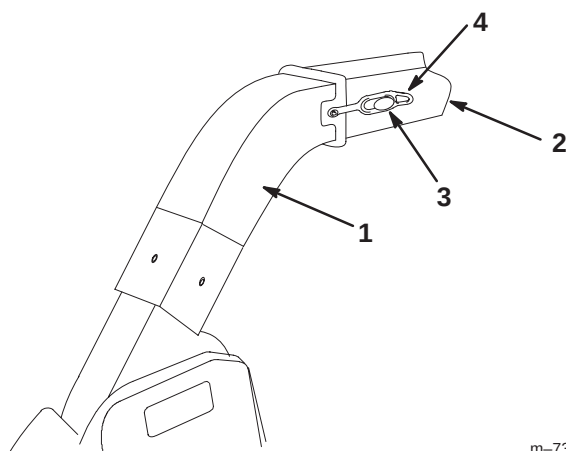
Figure 18

1. Bagger top
2. Bag retainer handles

4. Move the tractor seat to its normal position.

Mounting the Discharge Tube

1. Insert the upper end of the discharge tube into the bagger top. Slide the lower end of the discharge tube into the blower discharge extension opening (Fig. 19).
2. Hook the rubber latch onto the knob (Fig. 19).



m-7326

Figure 19

- | | |
|-------------------------------|-----------------|
| 1. Blower discharge extension | 3. Rubber latch |
| 2. Discharge tube | 4. Knob |

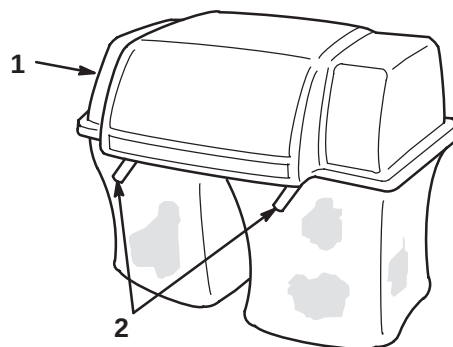
Removing the Bagger

Removing the Discharge Tube

1. Unhook the rubber latch onto the knob (Fig. 19).
2. Slide the lower end of the discharge tube out of the blower discharge extension opening (Fig. 19). Pull the upper end of the discharge tube out of the bagger top.

Removing the Bagger

1. Raise the cover and remove the grass bags from the bag frame (Fig. 20).

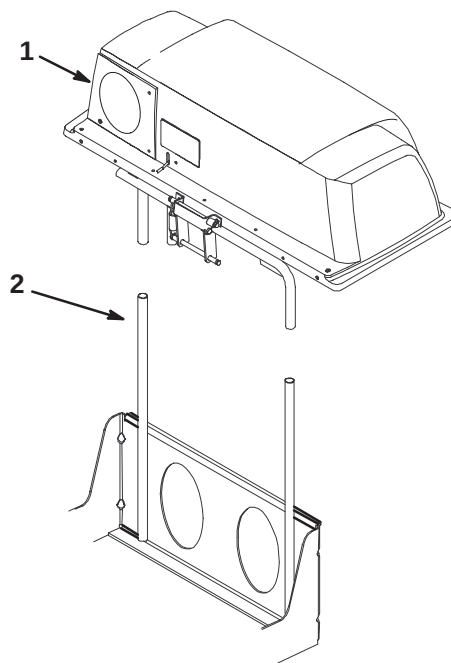


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Figure 20

- | | |
|---------------|-------------------------|
| 1. Bagger top | 2. Bag retainer handles |
|---------------|-------------------------|

2. Carefully lift the bagger top and slide off the quick-attach bracket (Fig. 21). The bagger top assembly is easier to remove if two people work together.



m-7330

Figure 21

- | | |
|------------------------|-------------------------|
| 1. bagger top assembly | 2. Quick-attach bracket |
|------------------------|-------------------------|



Caution

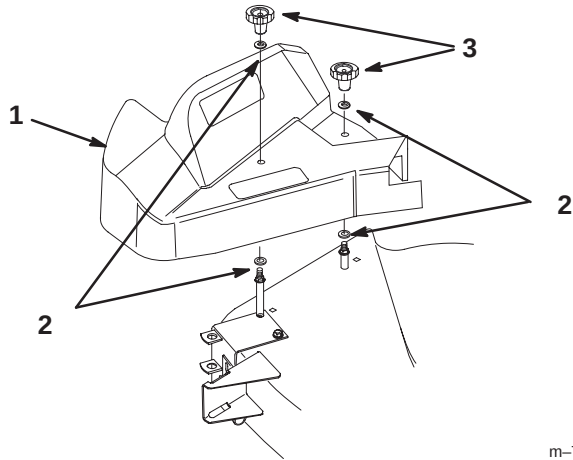


If you remove the spring-loaded bagger top when it is closed (in the down position), the top may suddenly fly open and you or someone else may be bruised, pinched, or injured in another way.

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

Removing the Blower

1. Remove the blower belt cover by removing the two hand knobs and four washers (Fig. 22). Retain all parts for future installation.

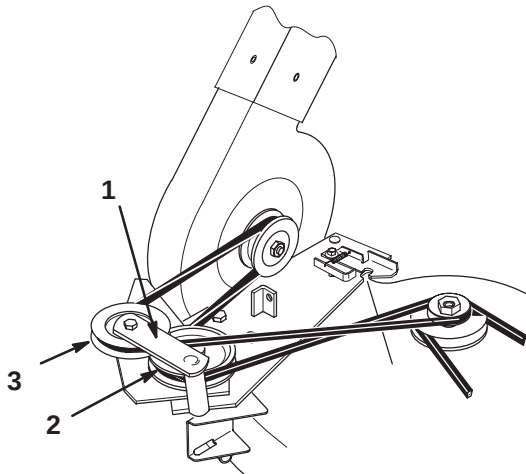


m-7325

Figure 22

- | | |
|----------------------|--------------|
| 1. Blower belt cover | 3. Hand knob |
| 2. Washer | |

2. Open the latch and swing the blower out, away from the mower. Remove the blower belt from the idler and blower pulleys (Fig. 23).

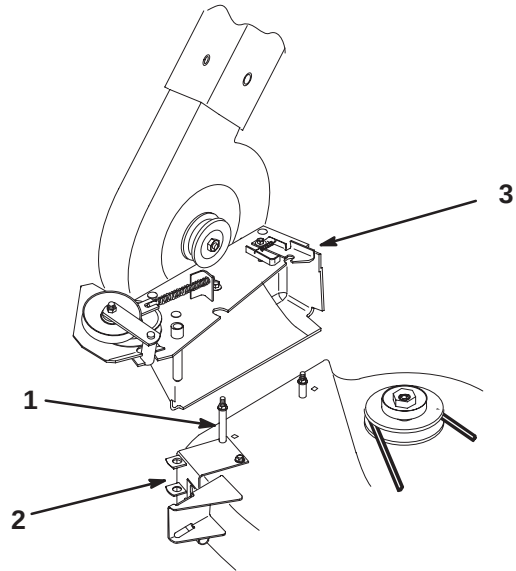


m-7323

Figure 23

- | | |
|---|-----------------------------------|
| 1. Idler pulley bracket and pulley | 3. V-side of belt into top pulley |
| 2. Top side of belt against bottom pulley | |

3. Remove the blower by lifting the pivot pin out of the pivot support (Fig. 24).



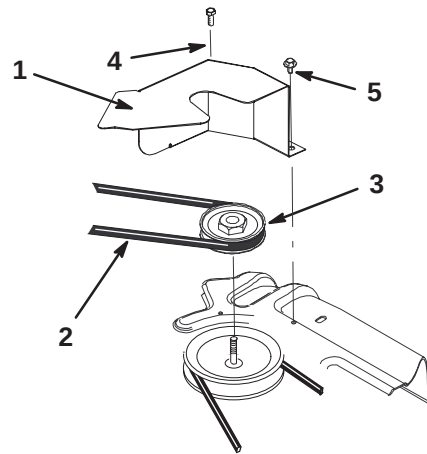
m-7322

Figure 24

- | | |
|--------------|------------------|
| 1. Pivot pin | 2. Pivot support |
|--------------|------------------|

Removing the Blower Belt

1. Remove the mower belt cover from the right side pulley (Fig. 25). Save the mounting hardware.
2. Unhook the blower belt from the blower pulley (Fig. 25).

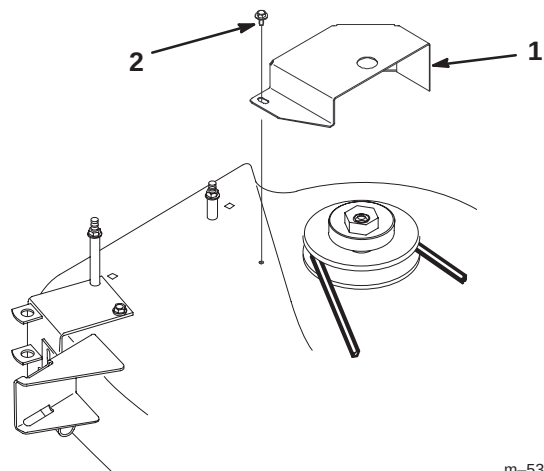


m-7327

Figure 25

- | | |
|------------------|--------------------------|
| 1. Belt cover | 4. Screw (existing) |
| 2. Blower belt | 5. Screw, 1/4 x 1/2 inch |
| 3. Blower pulley | |

3. Install the old belt cover using the existing hardware (Fig. 26).



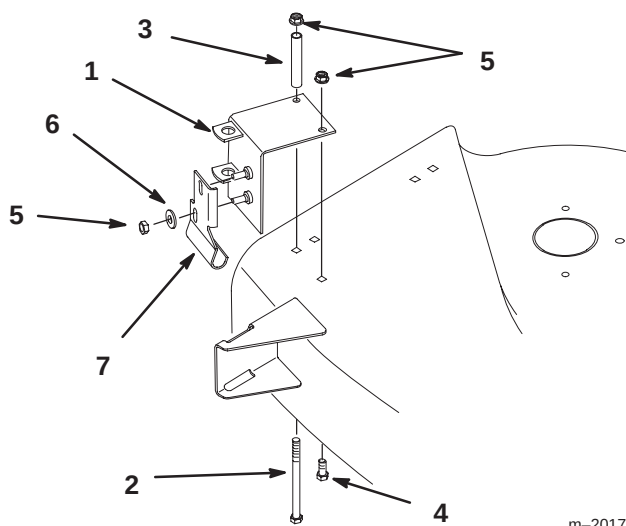
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Figure 26

1. Belt cover
2. Screw (existing)

Removing the Blower Pivot Support

1. Remove the mower from the tractor; refer to the tractor *Operator's Manual* for instructions.
2. Remove the pivot support and pivot bracket from the mower (Fig. 27). Retain all parts for future installation.



m-2017

Figure 27

1. Pivot support
2. Carriage bolt, 5/16 x 4-1/2 inch
3. Spacer tube
4. Carriage bolt, 5/16 x 7/8 inch
5. Locknut, 5/16 inch
6. Washer, 5/16 inch
7. Pivot bracket

Installing the Standard-lift Blades

Install the standard-lift blades for side discharging in place of the hi-lift blades; refer to the Cutting Blade section of the tractor *Operator's Manual*.

Note: The hi-lift blades are used with the recycling baffles (see page 15).

Removing the Grass Baffles

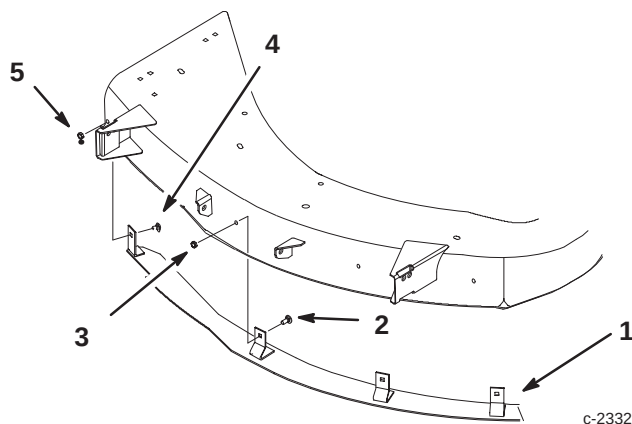
1. Remove the grass baffle inside the front lip of the mower (Fig. 28). (Remove the grass baffles inside front lip only if reverting the mower to a recycler mode.)

Note: Install hardware to fill the holes in the mower.

Caution

Open holes in the mower expose you and others to thrown debris which could cause injury.

- **Never operate the mower without hardware mounted in all holes in the mower.**
- **Install hardware in mounting holes when the recycling baffle is removed.**



c-2332

Figure 28

1. Grass baffle
2. Carriage bolt, 5/16 x 7/8 inch
3. Locknut, 5/16 inch
4. Carriage bolt, 5/16 x 1/2 inch
5. Locknut (thin), 5/16 inch

2. Remove the rear grass baffle and grass ring from the inside of the discharge chute area (Fig. 29). Retain all parts for future installation.

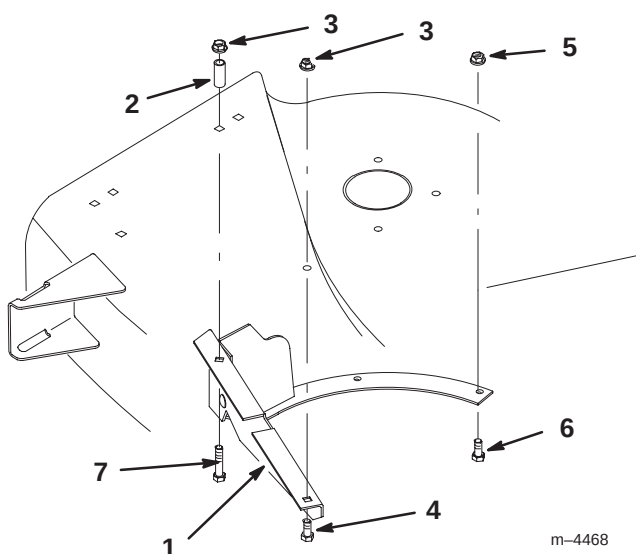


Figure 29

- | | |
|-----------------------------------|-------------------------------------|
| 1. Rear grass baffle and ring | 5. Locknut, 1/4 inch |
| 2. Latch tube | 6. Bolt, 1/4 x 3/4 inch |
| 3. Locknut, 5/16 inch | 7. Carriage bolt, 5/16 x 2-1/2 inch |
| 4. Carriage bolt, 5/16 x 7/8 inch | |

Installing the Recycling Baffles

If you want to use the recycling mower deck, you must install the recycling baffles; refer to the *Installation Instructions* in your Recycling Kit.

Installing the Discharge Chute

1. Install the mounting brackets onto the mower with carriage bolts (5/16 x 3/4 inch) and locknuts (5/16 inch) as shown in Figure 30.

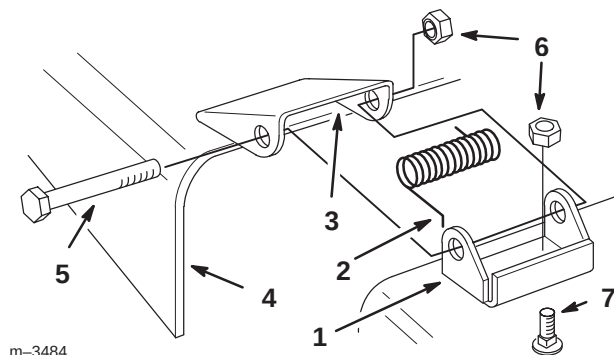


Figure 30

- | | |
|---------------------|------------------|
| 1. Bracket | 5. Bolt |
| 2. Spring hook end | 6. locknut |
| 3. Space for spring | 7. Carriage bolt |
| 4. Discharge chute | |

2. Place the springs into the brackets on the mower with the hooked ends over the raised back (Fig. 30).
3. Align the discharge chute with the holes in the brackets and the spring straight ends in the space under the hinge and above the chute (Fig. 30).
4. Secure the chute to the bracket with bolts through the discharge chute, springs, and brackets. Secure with locknuts (Fig. 30).
5. Lift the discharge chute and check that it is spring loaded and pivots freely to the full down position.

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



Warning



Without the grass deflector, discharge cover, or complete grass catcher 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.

- Never remove the grass deflector from the mower because the grass deflector routes material down toward the turf. If the grass deflector is ever damaged, replace it immediately.
- Never put your hands or feet under the mower.
- 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 of the spark plug(s).

Mounting the Mower onto the Tractor

1. Install the mower onto the tractor; refer to Tractor Operator's Manual for instructions.

2. Replace the (2) left side mower leveling brackets (hole) with (2) slotted leveling brackets (Fig. 31). Secure them with the existing washers and hairpin cotters (Fig. 31).

Note: Save the (hole) leveling bracket for use when the blower is installed.

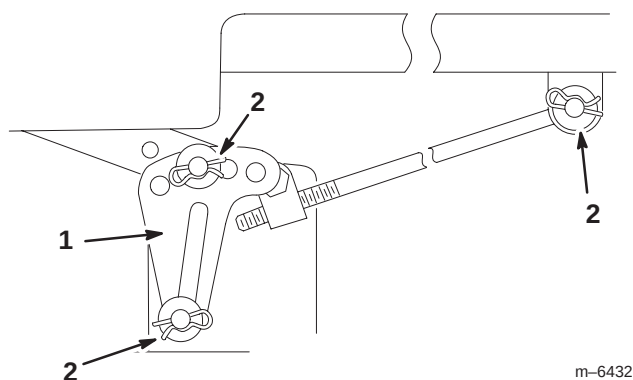


Figure 31

1. Leveling bracket
2. Washer and hairpin cotter

3. Check the mower level front-to-rear and side-to-side; refer to tractor *Operator's Manual* for instructions.

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 your tractor and mower before using this attachment.
- Never remove the discharge tube, bags, bagger top, or the blower while the engine is running.
- Always shut the engine off and wait for all moving parts to stop before clearing an obstruction from the vac 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 tractor, set the parking brake, and disengage the power take off (PTO). Stop the engine and remove the ignition key.
2. Pull up on both bag retainer handles until they unlock from the bag frame (Fig. 32). Open (raise) the bagger top.

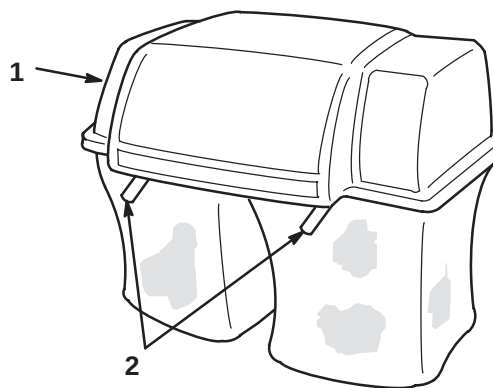


Figure 32

1. Bagger top
2. Bag retainer handles

3. Compress debris into the bags. With both hands, lift up on the bag and unhook it from the retaining bracket (Fig. 33). Empty the bag. Repeat the procedure for the other bag.

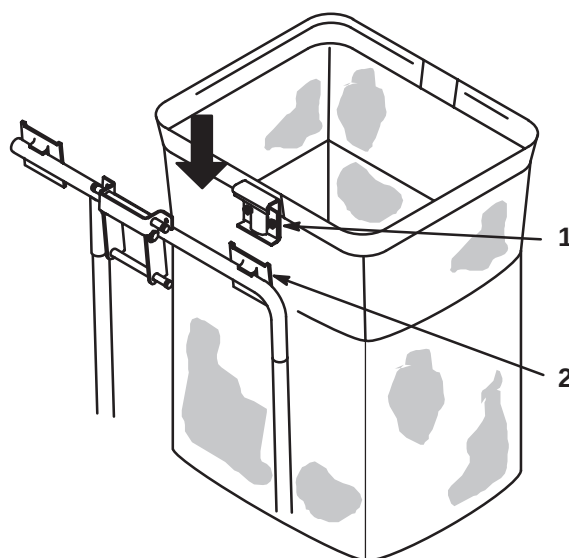


Figure 33

1. Bag frame hook
2. Retaining bracket

4. Install the bags by sliding the bag frame hooks onto the retaining brackets (Fig. 33).

5. Lower the bagger top onto the bags. Then push down on both bag retainer handles until they lock on the bag frame (Fig. 32).

Clearing Obstructions from the Bagger

1. Stop the tractor, 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 blower from the bagger top and mower. Using a stick or similar object, carefully remove and clear the obstruction from the mower, discharge tube, blower, 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 tractor 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 blower 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

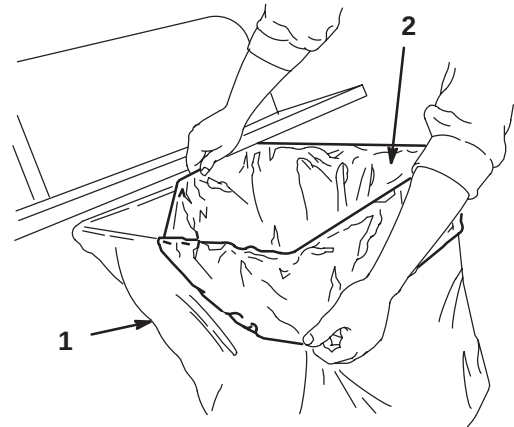
Cut the grass often, especially when it grows rapidly. You will have to cut your grass twice if it gets excessively long (refer to Bagging Long Grass, page 18).

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 blower and discharge tube.

Using Bag Liners

Although not required, bags may be inserted into each cloth grass bag as a liner to collect clippings and make disposal more convenient (Fig. 34). 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 34

1. Cloth grass bag
2. Bag (liner)

Bagging Speed

Most often you will bag with the tractor 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 tractor. 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 tractor ground speed. This helps maintain the engine speed and bagging efficiency. Mow downhill whenever possible.



Warning



As the grass bags fill, extra weight is added to the back of the tractor. If you stop and start suddenly on hills, you may lose steering control or the tractor may tip.

- Do not start or stop suddenly when going uphill or downhill. Avoid uphill starts.
- If you do stop the tractor when going uphill, disengage the PTO. Then back down the hill slowly in Reverse.
- 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 blower 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.

Inspecting the Bagger Attachment

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

1. Check the blower, 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.		

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 tractor 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, blower, 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.

Storing the Bagger Attachment

1. Clean the bagger attachment; refer to Cleaning the Bagger Attachment, page 19.
2. Inspect the bagger attachment for damage; refer to Inspecting the Bagger Attachment, page 18.
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.



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.