



44/52in Soft Bag (5 bu.)

for Floating Mid-Size Mower

Model No. 30128—Serial No. 240000001 and Up

Operator's Manual

Contents

	Page
Introduction	2
Set Up	2
Loose Parts	2
Installing the Bagger	3
Removing the Bagger	6
Operation	7
Emptying the Grass Bag	7
Clearing Obstructions from the Bagger	7
Operating and Bagging Tips	7
Maintenance	7
Inspecting the Bagger	7
Inspecting the Mower Blades	7
Caring for the Grass Bag	7
Cleaning the Bagger	8
Storing the Bagger	8

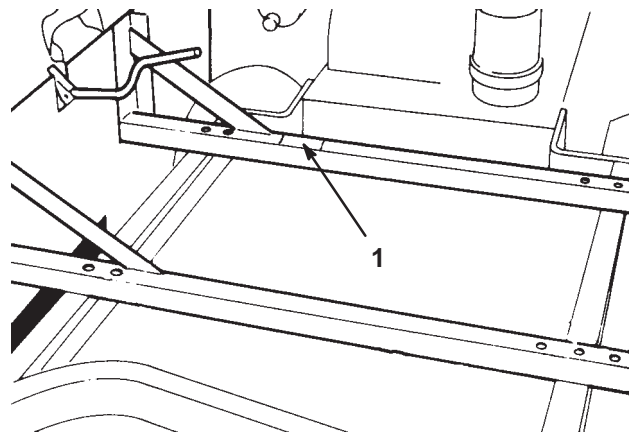


Figure 1

1. Location of the model and serial numbers

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

Model No. _____

Serial No. _____

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.

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.

Set Up

Loose Parts

DESCRIPTION	QTY.	USE
Baffle (18 inch—for use on 44 inch mower)	1	Install the baffle
Baffle (24 inch—for use on 52 inch mower)	1	
Screw (5/16 x 3/4 inch)	2	
Seal Template—44 inch (for use with 44 inch mower)	1	Cut the rubber extension
Seal Template—52 inch (for use with 52 inch mower)	1	
Back Panel	1	
Mounting Beam	2	Install mounting beams
Retainer Bolt	4	
Flange Nut, 3/8 inch	4	
Curved Bolt	2	Install mounting assembly on a 44 inch mower
Washer, 3/8 inch	6	
Bolt, 3/8 x 2 1/2 inch	2	
Locknut, 3/8 inch	4	
Bolt, 3/8 x 2 1/2 inch	2	Install mounting assembly on a 52 inch mower
Washer, 3/8 inch	8	
Bolt, 3/8 x 4 1/2 inch	2	
Locknut, 3/8 inch	4	
Lockup Rod	1	Install lockup rod
Bolt, 5/16 x 3/4 inch	2	
Flange Nut, 5/16 inch	2	
Grass Bag and Tray	1	Install grass bag and tray
Front Bag Support Tube	1	
Rear Bag Support Tube	1	
Truss Head Screw, 5/16 x 3/4 inch	10	
Flange Nut, 5/16 inch	10	

Installing the Bagger

Installing the Baffles

Note: For a 44 inch mower, use the 18 inch baffle. For a 52 inch mower, use the 24 inch baffle.

1. Position the appropriate baffle inside the cutting mower opening so the end is aligned with the edge of the mower opening and is against the front wall and ceiling in the storage position (Fig. 2)

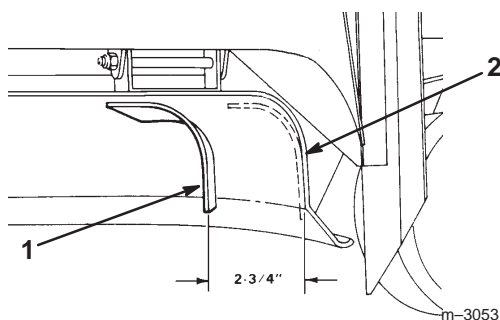


Figure 2

1. Baffle in Bagging Position 2. Baffle in Storage Position

2. Using the baffle as a template, mark and drill two 11/32 inch holes in the mower.
3. Secure the end of the baffle farthest from the opening with a screw (5/16 x 3/4 inch).
4. Pivot the end nearest the opening until there is a distance of 2-3/4 inch between the baffle and the front wall of the mower.
5. Using the baffle as a template, mark and drill an 11/32 inch hole in the mower.
6. Secure the end of the baffle closest to the opening in the bagging position with a screw (5/16 x 3/4 inch) (Fig. 2).

Note: The unused hole is used to mount the baffle when the mower is not being used with the bagger.

7. Ensure that both screws are tight.

Trim the rubber extension

Note: For a 44 inch mower, use the template marked "Seal Template-44 inch mower". For a 52 inch mower, use the template marked "Seal Template-52 inch mower".

1. Place the appropriate template against the metal retaining strips on the outside of the rubber extension (Fig. 3).
2. Cut the rubber extension along the bottom edge of the template (Fig. 3).

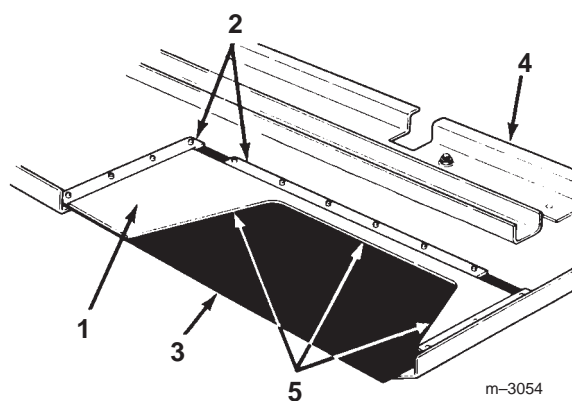


Figure 3

1. Template 4. Back panel
2. Retaining strips 5. Cut
3. Rubber extension

Attaching the Mounting Beams to the Back Panel

1. Secure the mounting beams to the back panel using 4 retainer bolts and 4 flange nuts (3/8 inch) (Fig. 4).

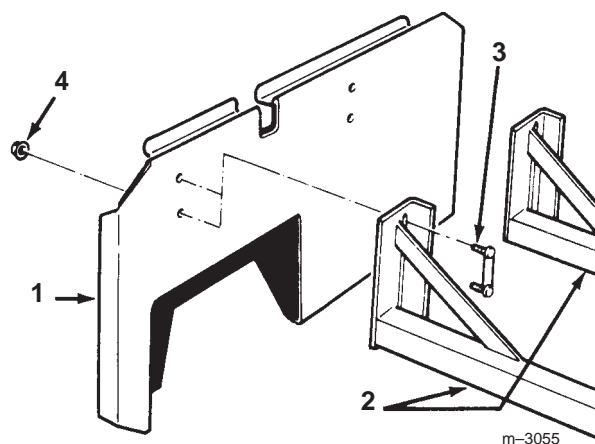


Figure 4

1. Back panel 3. Retainer bolts
2. Mounting beams 4. Flange nut, 3/8 inch

Note: The back panel can be mounted onto the mounting beams in a range of vertical positions. When fully assembled, the back panel should be adjusted so that the grass bag tray is positioned slightly below the mower.

Preparing the Cutting mower and Carrier Frames for Installation

1. Position the back panel and mounting beam assembly onto the cutting mower and carrier frame (Fig. 5). The rubber extension should be touching the back edge of the discharge opening (Fig. 6).

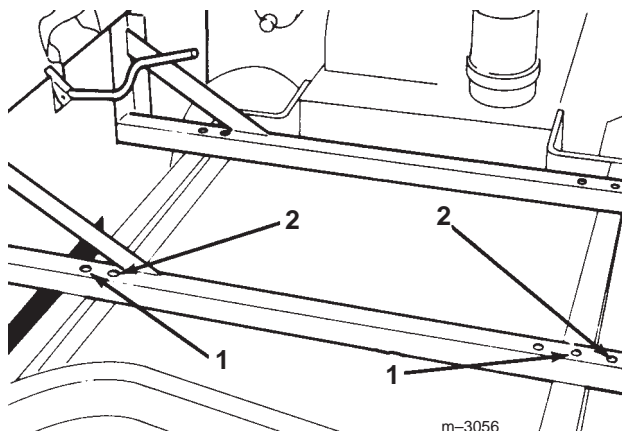


Figure 5

1. Mounting holes for 44 inch mower
2. Mounting holes for 52 inch mower

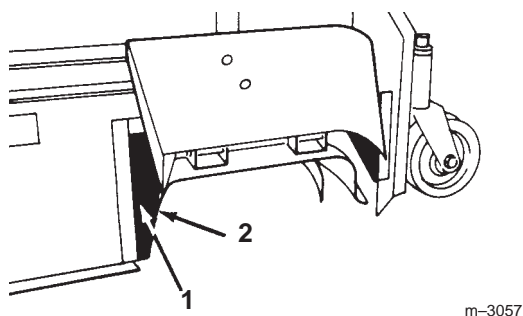


Figure 6

1. Rubber extension
2. Back edge of discharge opening

Note: For a 44 inch mower, drill the rear holes through the whole carrier frame (Fig. 7).

2. Using each mounting beam as a template, locate and drill four 1/2 inch diameter holes in the carrier frame, if no holes already exist (Fig. 7).

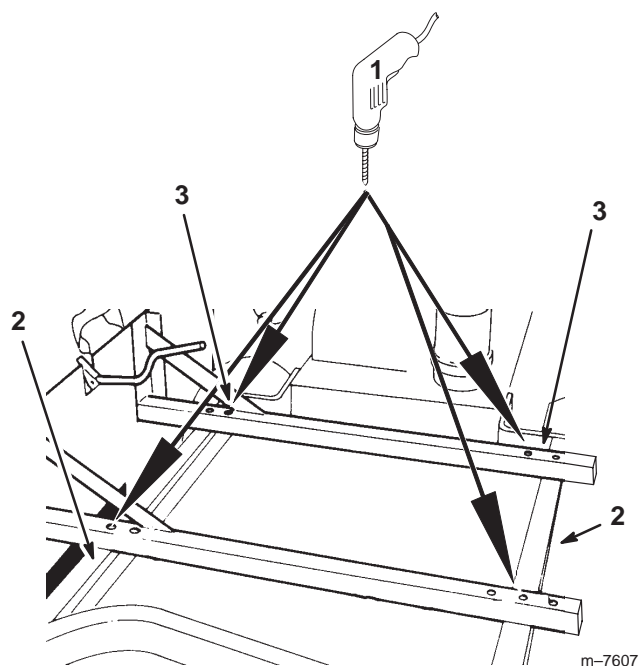


Figure 7

1. Drill 1/2 inch holes
2. Carrier frame
3. Rear holes—drill through for 44 inch mowers

Installing the Mounting Assembly

1. Secure the rear mounting beam to the carrier frame with 2 bolts (3/8 x 4 1/2 inch), 4 washers (3/8 inch), and 2 locknuts (3/8 inch).

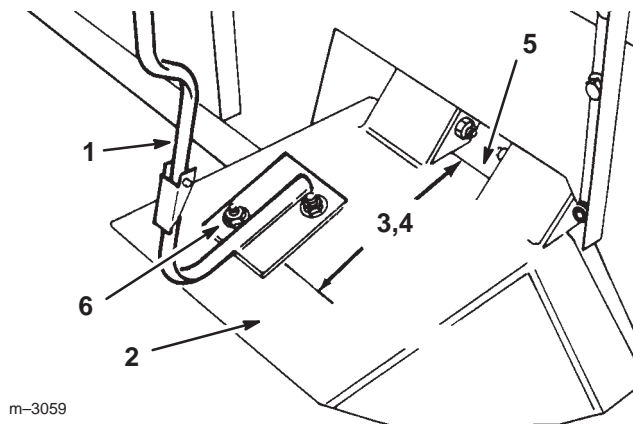
Note: The washers should be positioned on top of the beam and under the carrier frame.

2. Secure the front mounting beam to the carrier frame with 2 bolts (3/8 x 2 1/2 inch), 4 washers (3/8 inch), and 2 locknuts (3/8 inch).

Note: The washers should be positioned on the top of the beam and under the carrier frame.

Installing the Lockup Rod

1. Measure 7 inches on a 44 inch mower or 7-1/4 inches on a 52 inch mower from the edge of the deflector and make a mark parallel to the edge (Fig. 8).

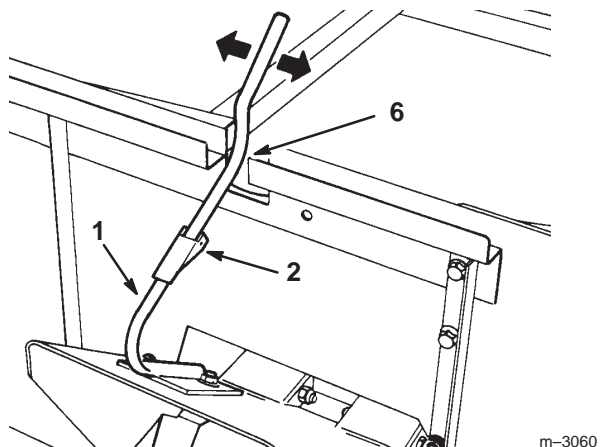


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Figure 8

- | | |
|---------------------------------|-------------------------------------|
| 1. Lockup Rod | 4. 7-1/4 inches for a 52 inch mower |
| 2. Deflector shield | 5. Deflector shield edge |
| 3. 7 inches for a 44 inch mower | 6. Outside mounting hole |

2. Position the outside mounting hole on the lockup rod on the line you drew (Fig. 8).
3. Raise the deflector and move the lockout rod back and forth along the course of the line you drew on the deflector until the rod is centered in the back panel slot (Fig. 9).



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Figure 9

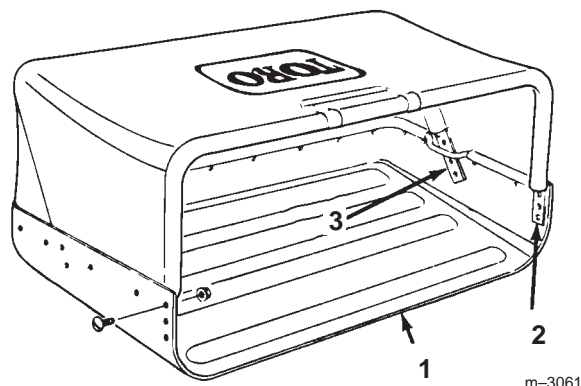
- | | |
|-----------------|--------------------|
| 1. Lockup Rod | 3. Back panel slot |
| 2. Lockup Latch | |

4. Using the lockup rod as a template, mark and drill two 11/32 inch diameter holes in the deflector.
5. Secure the lockup rod to the deflector using 2 bolts (5/16 x 3/4 inch) and 2 flange nuts (5/16 inch).

Note: The flange nuts should be on top of the deflector.

Assembling and Installing the Grass Bag

1. Position the rear bag support tube ends between the bag rods and the bag tray (Fig. 10).



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Figure 10

- | | |
|---------------------------|--------------------------|
| 1. Grass Bag Tray | 3. Rear Bag Support Tube |
| 2. Front Bag Support Tube | |

2. Secure the front bag support tube to the grass bag tray using 6 truss head screws (5/16 x 3/4 inch) and 6 flange nuts (5/16 inch).
3. Secure the rear bag support tube to the grass bag tray using 4 truss head screws (5/16 x 3/4 inch) and 4 flange nuts (5/16 inch).

Note: Use only the bottom two mounting holes on each side of the rear bag support tube to secure it to the tray.

4. Move the lockup rod into the slot in the back panel.
5. Hook the front bag support tube into the lip on the top of the back panel and lower the bag tray against the back panel.
6. Hook the lockup latch on the bag tube (Fig. 9).
7. Adjust the back panel height by sliding the retainer bolts up or down in the slots in the mounting beams so that the bag tray is slightly below the bottom of the mower (Fig. 4).

Note: This adjustment may need to be made whenever you adjust the mower height of cut.

Removing the Bagger



Danger



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 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 discharge area or mower blades unless you release the bail and the power take off (PTO) is off. Rotate the ignition key to Off. Also remove the key and pull the wire off the spark plug(s).

1. Remove the grass bag from the back panel.
2. Remove the bolts, washers, and nuts securing the mounting beams to the carrier frame and remove the mounting assembly (Fig. 7).
3. Install the bolts, washers, and nuts into the mounting beams.
4. Remove screws and nuts securing the lockup rod and remove the lockup rod. Replace the screws and nuts into the holes in the deflector.
5. Remove the baffle screw closest to the opening in the mower (Fig. 2).
6. Pivot the baffle to the storage position and secure it with the screw (Fig 2).
7. Store all bagger parts in a convenient place.

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 mower before using this attachment.
- Never remove the bagger while the engine is running.
- Always turn 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 Bag

1. Disengage the power take off (PTO) to stop the mower blades and release the traction drive or shift to **neutral** as applicable for your mower.
2. Remove and empty the grass bag.
3. Install the grass bag and resume operation.

Clearing Obstructions from the Bagger

1. Disengage the power take off (PTO) to stop the mower blades and release the traction drive or shift to **neutral** as applicable for your mower.
2. Remove the grass bag and empty it if full.
3. Carefully remove and clear the obstruction from the mower.
4. Reinstall the grass bag and resume operation.

Operating and Bagging Tips

1. Remember that the mower is wider with the bagger installed. By turning too sharply in confined places you may damage the bagger.
2. Do not trim with the right side of the mower because you could damage the bagger.
3. When mowing rough or uncertain terrain, use care to avoid damaging the bagger.

4. Air flow is required to cut grass and propel it into the bag. Setting the height-of-cut too low, especially in heavy or long grass can restrict the air flow and plug the mower or bagger.



To avoid plugging, double-cut the grass, first at a high height-of-cut and then lower the mower to the desired setting. Also, try to leave one side of the mower out of the uncut grass, allowing air to be drawn into the mower housing.

Maintenance

Inspecting the Bagger

Inspect the bagger after the first ten hours of operation and monthly thereafter.

1. Check the grass bag, back panel, and lockup rod for damage. Replace any damaged parts.

**Warning**

The grass bag material may tear, wear, and eventually deteriorate. You or bystanders could be severely injured by flying debris or thrown objects that pass through a worn or deteriorated grass bag.

- **Frequently check the grass bag for holes, wear, and other deterioration. Do not wash the grass bag. If the bag has deteriorated, install a new grass bag.**

2. 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 mower operator's manual for complete blade maintenance.

Caring for the Grass Bag

1. Do not wash the grass bag.
2. To prevent rapid deterioration of bag material, store the bag so it dries completely after each use.

Cleaning the Bagger

1. Frequently clean the mower and the inside and outside of the back panel, using water sprayed from a hose. Use a mild automotive detergent to remove stubborn dirt. Do not wash the grass bag.
2. Ensure you remove matted grass from all parts.
3. After washing let all parts dry thoroughly.

Storing the Bagger

1. Clean the bagger (refer to Cleaning the Bagger, page 8).
2. Inspect the bagger for damage (refer to Inspecting the Bagger, page 8).
3. Ensure the grass bag is empty and dry.
4. Store the bagger in a clean, dry place, out of direct sunlight. This extends the life of the bagger. If you must store the bagger outside, cover it with a weatherproof cover.