Form No. 3314-405 Rev A

Twin Bagger Grass Catcher

Rear Engine Rider and Lawn Tractor Attachment

Model No. 59184

Installation Instructions

Setup

Updating the Stand Bars (Rear Engine Riders Only)

Note: Step 1 pertains to riders with serial numbers 6000001 through 6999999, while step 2 is for riders with serial number prior to 6000001.

1. Using dimensions shown in Figure 1, locate and drill a 9/16 in. diameter hole in each rear stand bar.

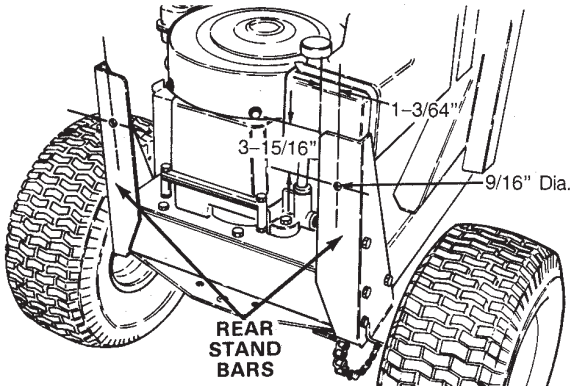

Figure 1

2. If rider is equipped with round type stand bars (Fig. 2), they must be replaced with new ones, Toro Part No. 56-7440 (right-hand) and 56-7450 (left-hand). Stand bars may be purchased from your local authorized Toro dealer.

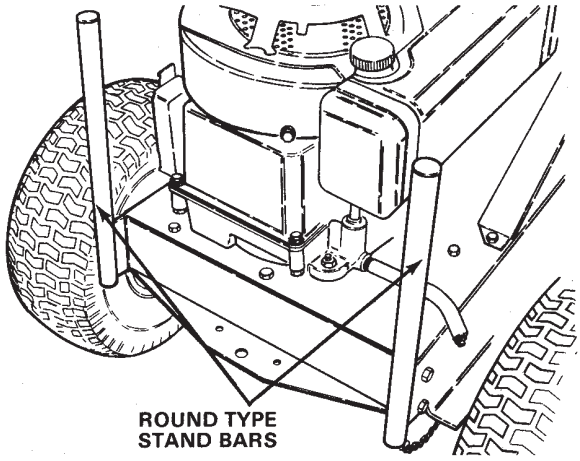

Figure 2

Installing the Mounting Bracket (Lawn Tractors Only)

Note: Step 1 pertains to tractors with serial numbers 7000001 and Up while step 2 pertains to tractors with serial number prior to 7000001.

1. Secure mounting bracket (supplied with tractor) to rear frame with 2 capscrews (5/16 x 3/4 in.) and locknuts (Fig. 3).

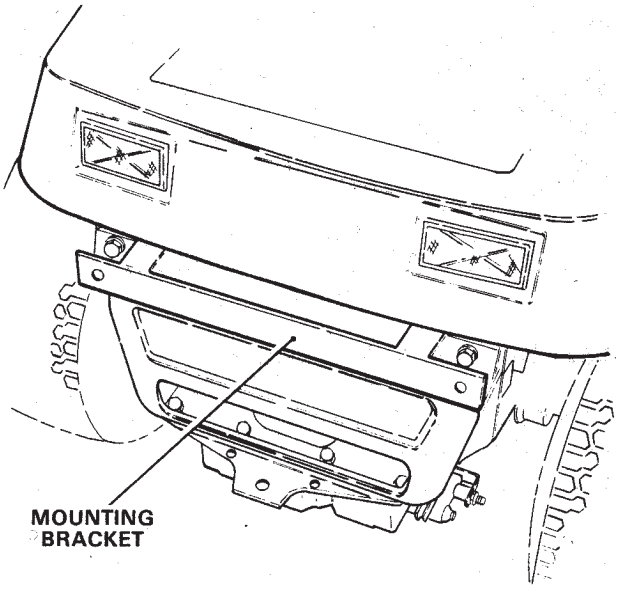

Figure 3

2. Mounting bracket, Toro Part No. 61-9730, must be purchased from your local authorized Toro dealer. After bracket is obtained, install it as instructed in step 1.

Assembling the Mounting Frame to the Grass Catcher Cover

1. Loosely secure mounting frame to grass catcher cover with backup plate, 4 capscrews (5/16 x 1 in.), flat washers, and locknuts (Fig. 4 and 5). Position the washers on the outside of the grass catcher cover with the backup plate inside the cover.

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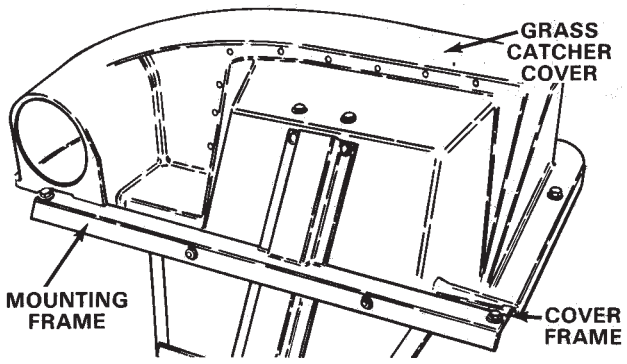

Figure 4

2. Secure mounting frame to grass catcher cover frame with 2 capscrews (3/8 x 1 in.), flat washers, and locknuts (Fig. 5). Position the washers on the top side of the assembly. Tighten all mounting fasteners.

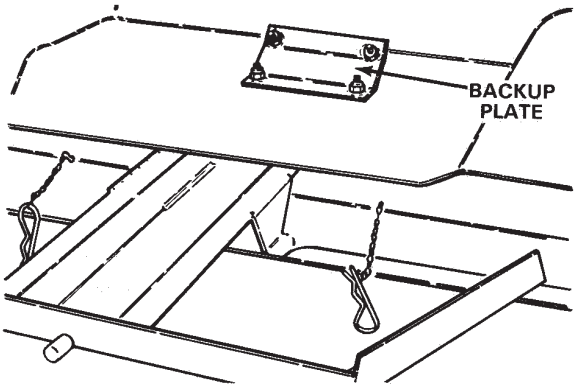

Figure 5

Installing the Grass Catcher and Bags

1. Slide grass catcher mounting pin into mounting hole in hitch (Fig. 6).

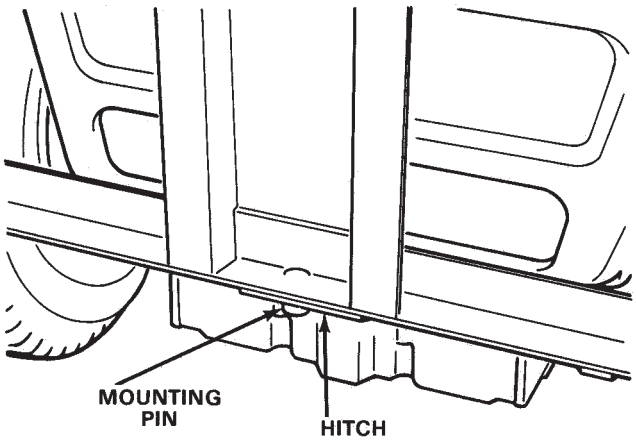

Figure 6

2. Rotate grass catcher up so mounting pins line up with mounting holes in tractor mounting bracket or rider stand bars. Push pins through holes and retain with hairpin cotters (Fig. 7).

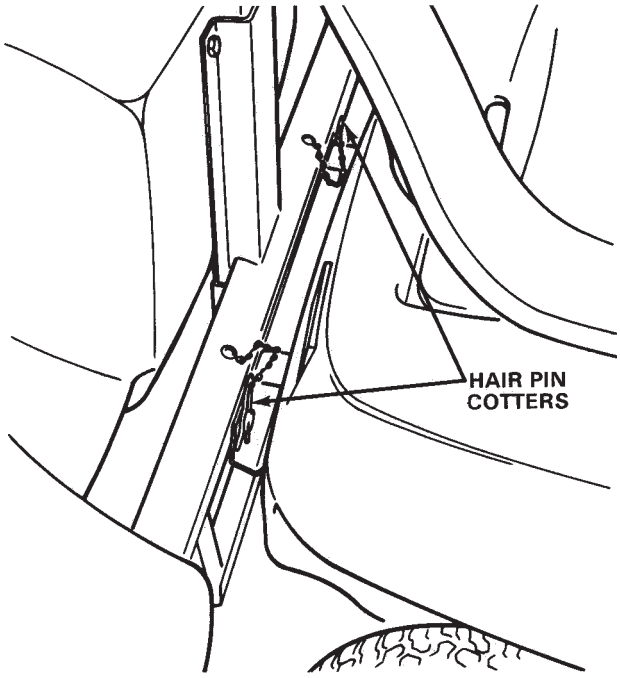

Figure 7

3. Slide grass bag under bag frame cover, positioning front edge of bag rod into screen support bracket on bag frame (Fig. 8).

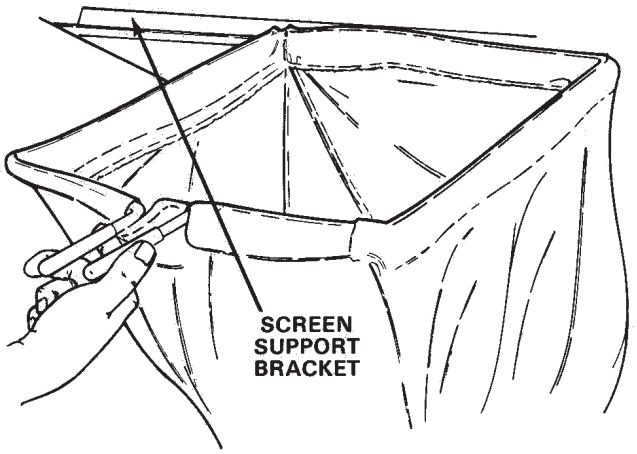

Figure 8

4. Lift rear of bag up to bag cover. Squeeze bag handles, allowing them to be positioned in bag frame brackets. Release bag handles, locking them in brackets (Fig. 9).

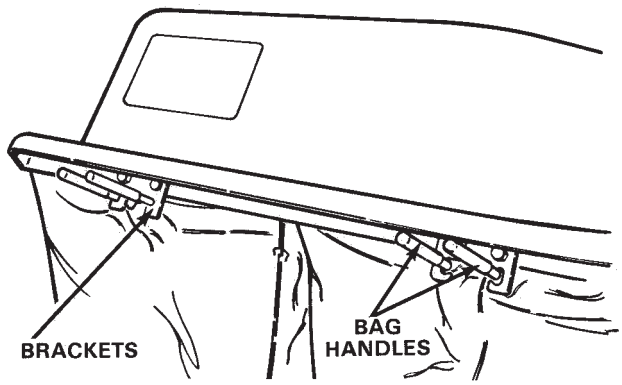

Figure 9

Note: Plastic lawn bags may be inserted inside cloth bags to aid in disposal of grass clippings.

To ease in the installation of plastic bags, insert bag handles into frame brackets from the rear as shown in Figure 10, and insert plastic bags.

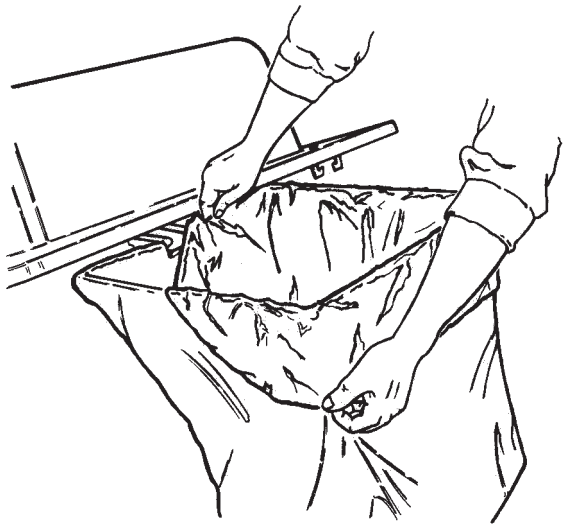

Figure 10

Assembling and Installing the Chute Assembly and Duct

1. Secure retainer to duct with barbed clip and spacer fastener (Fig. 11).
2. Slide duct onto chute assembly, aligning duct retainer with chute knob. Hook retainer onto knob, securing assemblies (Fig. 11).

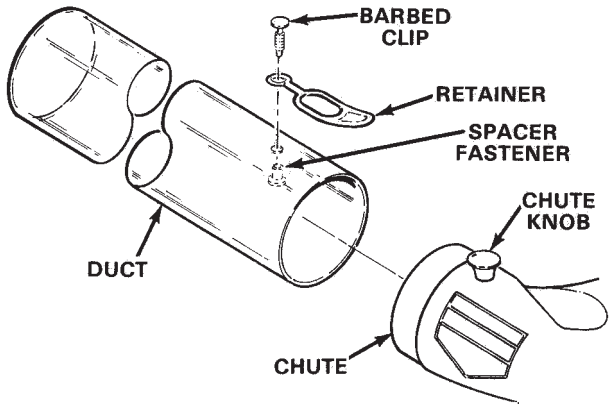

Figure 11

3. After chute assembly and duct are assembled, slide duct onto grass catcher.
4. Slide chute assembly under deflector. Hook rear chute bracket around pivot post on deck. Slide front of chute into locking position with mating part of hinge lock. Insert locking pin (Fig. 12).

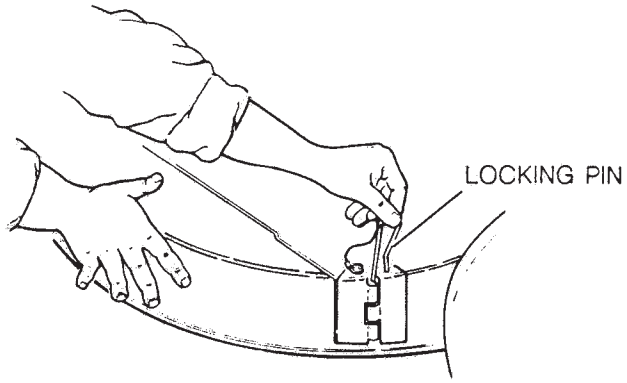

Figure 12

Note: Support bracket on chute assembly must hook behind pivot post on deck.

Operation

Bagging Conditions

To ensure efficient operation of the grass catcher, the operating characteristics must be understood. In addition to cutting turf uniformly, the blade also generates high-velocity air currents. These air currents help propel grass clippings from under the mower housing, through the duct, and into the grass bags. However, certain conditions may cause the rear grass catching system to malfunction.

One condition that may cause a “conveying” malfunction from the mower housing to the grass bags is when the mower housing is set too low. Since air is required to

propel grass clippings, there must be a source for this air. And if the source is obstructed, conveying will be inefficient. Thus, the height-of-cut must not be set too low, because grass surrounding the mower housing will prevent air from getting under the housing and entering the conveying system.

A second condition that may cause a malfunction is when excessively long and heavy grass clippings cannot be propelled into the grass bags. Even though the supply of air may be acceptable for efficient conveying, some grass clippings may fall from the main air stream to the bottom of the duct. This starts a progressive buildup of grass clippings in the duct, discharge chute, and against the inside of the mower housing. The chute and duct may even plug. Therefore, to ensure efficient grass collecting, experiment with different heights-of-cut until satisfaction is obtained.

Another condition affecting conveying is moisture. If the turf is wet from watering, morning dew, or internal moisture content, the system may malfunction. Therefore, to ensure efficiency, cut the grass when it is dry. Since dry grass has some moisture content, clippings may stick to the duct, discharge chute, and on the inside of the mower housing. This slight buildup is normal, but the duct, discharge chute, and housing must be cleaned to prevent undesirable buildup of clippings.

When cutting in dry, dusty conditions, lower throttle speed and shift gear selector to higher gear to maintain ground speed.

A final condition to consider is ground speed. As the engine overloads (slows down), air velocity decreases. Therefore, ground speed of the rider must be slow enough to allow all grass clippings to move continuously from under the housing, through the duct, and into the grass bag.

Warning

Do not operate mower without the grass deflector or entire grass catcher in place.

Bagging Tips

- To ensure maximum air currents in the system, move throttle to Fast and gear shift to first gear, which is the slowest ground speed.
- Do not collect grass when it is wet or too long. However, wet grass can be cut with the grass deflector installed. Several hours later, pick up the dry grass clippings with complete grass catcher installed.
- Cut the grass often, especially when the turf growth is rapid. High heights-of-cut produce good grooming results. If shorter turf is desired, cut the grass again.
- Overlap swaths to produce an even cutting pattern and to minimize the load on the engine. Make sure grass clippings move continuously through the duct.
- Empty the grass bags and do not let clippings “back fill” into the duct. To empty bags, shift into Neutral, move blade control to Disengage position, rotate ignition key to Off, and set parking brake. Slide grass bags under grass bag cover, positioning front edge of bag rod into screen support bracket on bag frame. Lift rear of bag up to bag cover. Squeeze bag handles, allowing them to be positioned in bag frame brackets. Release bag handles, locking them in brackets.
- While operating, glance frequently at the duct. If grass clippings are not moving through the duct, there may be an obstruction in the duct or discharge chute. The obstruction can usually be cleared by moving gear shift to neutral, raising mower housing to highest position, and slapping the side of the installed clear duct, near the obstruction. If the obstruction does not pass into the grass bags when duct is slapped, move blade control into Disengage position, rotate ignition key to Off, and set parking brake. Then remove duct and clear any obstruction from the duct or discharge chute with a stick or similar object. After obstruction is removed, install duct, restart engine, and continue grass collecting.
- After using the grass catcher, remove mulch from inside of hopper cover, duct, discharge chute, and from underside of mower housing. If grass clippings remain on inside of these parts, a malfunction will likely result. To retain translucency, remove grass and dirt stains from inside of duct by washing it with soap and water. Keep the blade sharp to ensure good grooming and conveying results.

Warning

The bags are made of material that will catch the majority of foreign objects, such as small stones that may be thrown into them. However, under normal usage, this material is subject to deterioration and wear.

- **Check the bags frequently for deterioration and wear.**
- **If bags are worn, replace them with a genuine Toro part.**