

# TWIN BAGGER GRASS CATCHER

## FOR REAR ENGINE RIDERS AND LAWN TRACTORS WITH 32" DECKS

MODEL NO. 79086

### INSTALLATION INSTRUCTIONS

## SET-UP INSTRUCTIONS

### Rear Engine Riders Serial No. 2500001 & Down With "L" Shaped Stand Bars (See Fig. 1)

These units require no additional parts to mount the twin bagger grass catcher. Proceed to "Assemble Mounting Frame To Grass Catcher Cover," page 2.

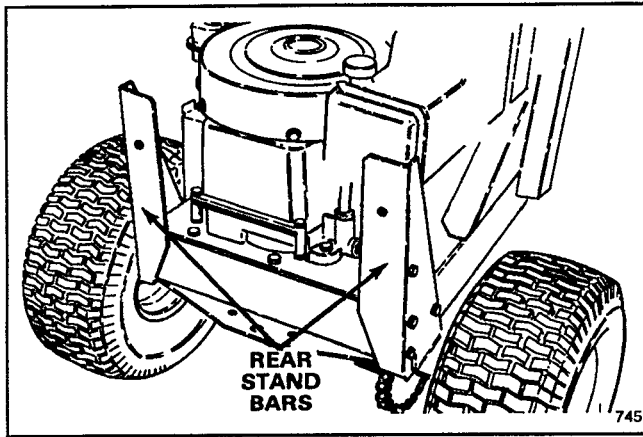


Figure 1

### Rear Engine Riders Serial No. 3900001 & Up With Wrap Around Stand Bars (See Fig. 2)

Add the mounting bracket and bagging brace supplied with grass catcher.

1. Remove the top center bolt from the left side of the rider mounting frame.
2. Loosely attach the bagging brace to the rider frame with the bolt removed in step 1.
3. Position the mounting bracket across the wrap around stand bar by aligning the holes in the bracket with the holes in the stand bar.
4. Secure the upper left corner of the mounting bracket and the brace to the stand bar using a 5/16 x 1-3/4" bolt and locknut supplied.
5. Secure the remaining three corners of the mounting bracket to the stand bars with (3) 5/16 x 1-1/2" bolts and locknuts supplied.
6. Tighten all bolts.

7. Proceed to "Assemble Mounting Frame to Grass Catcher Cover," page 2.

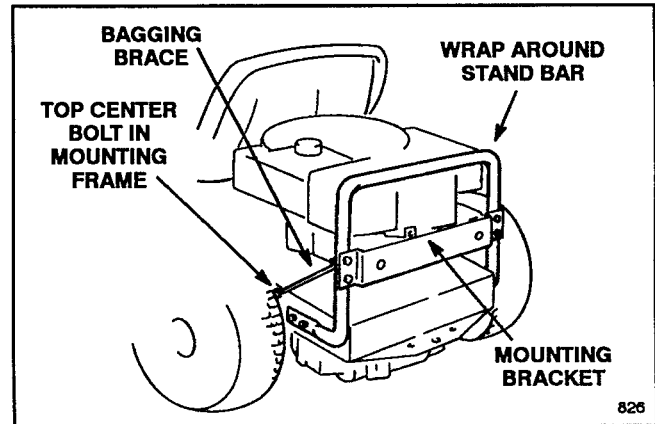


Figure 2

### Front Engine Lawn Tractors With Serial No. 3900001 & Up

These units require the installation of an upper mounting bracket, lower extension bracket and hitch pin (Fig. 3) before attaching the grass catcher.

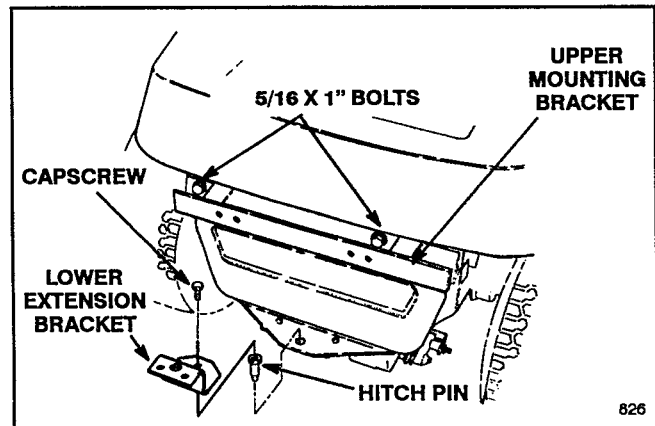


Figure 3

1. Attach the upper mounting bracket to the rear of the tractor using (2) 5/16 x 1" bolts and locknuts supplied (Fig. 3).
2. Slide the lower extension bracket onto the mounting pin on the mounting frame (Fig. 4).
3. Bolt the lower extension bracket to the mounting frame using (2) 5/16 x 1" bolts and locknuts supplied.

# SET-UP INSTRUCTIONS

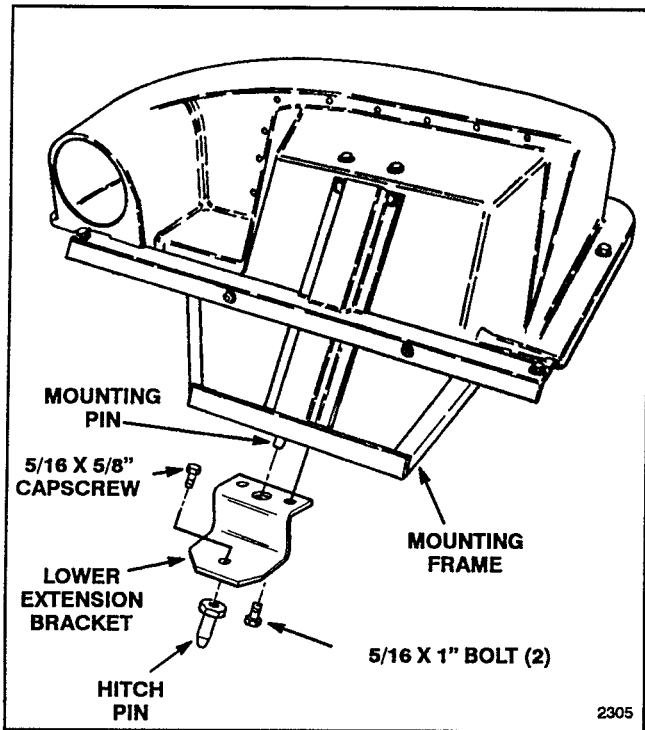


Figure 4

- Secure hitch pin to lower extension bracket in hole shown in Figure 4 with a 5/16 x 5/8" capscrew.
- Proceed to "Assemble Mounting Frame to Grass Catcher Cover," page 2.

## Assemble Mounting Frame to Grass Catcher Cover

- Loosely secure mounting frame to grass catcher cover with backup plate, (4) 5/16 x 1" capscrews, flat-washers, and locknuts (Fig. 5 & 6). Washers to be positioned on outside of grass catcher cover with backup plate inside cover.

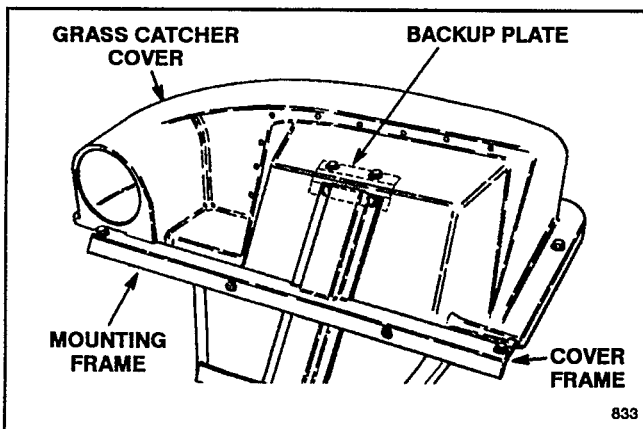


Figure 5

- Secure mounting frame to grass catcher cover frame with (2) 3/8 x 1" capscrews, flatwashers, and locknuts as shown in Figure 5. Washers to be positioned on top side of assembly. Tighten all mounting fasteners.

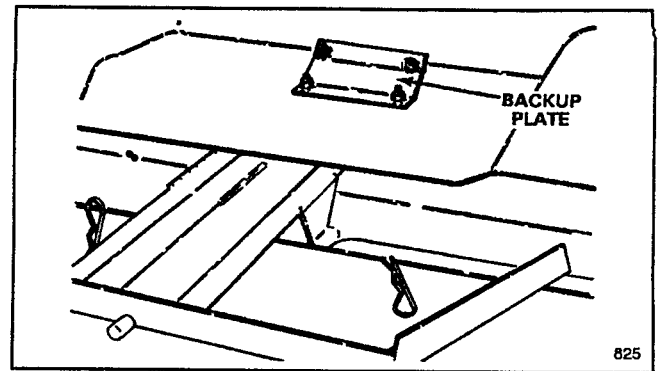


Figure 6

## Install Grass Catcher and Bags

- Slide grass catcher mounting pin (rider) or hitch pin (tractor) into mounting hole in hitch (Fig. 7).

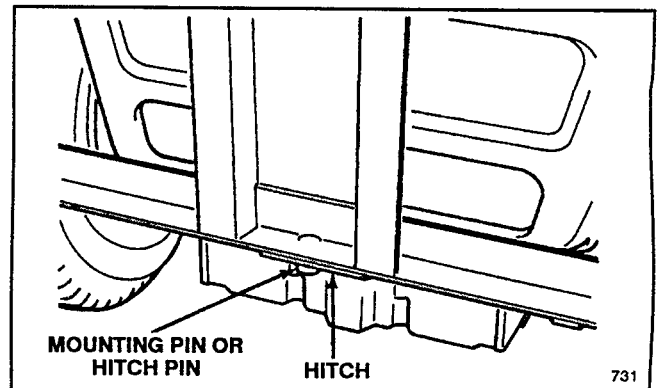


Figure 7

- Rotate grass catcher up so mounting pins line up with mounting holes in rider or tractor mounting bracket or rider stand bars. Push pins through holes and retain with hairpin cotters (Fig. 8).

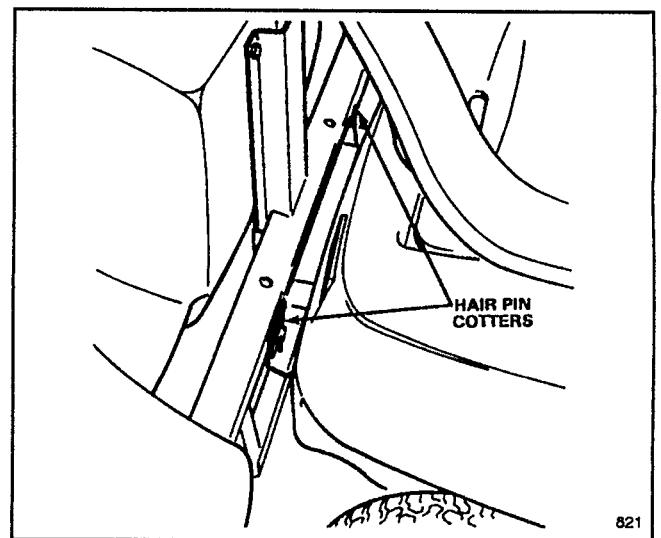


Figure 8

- Slide grass bag under bag frame cover, positioning front edge of bag rod into screen support bracket on bag frame (Fig. 9).

# SET-UP INSTRUCTIONS

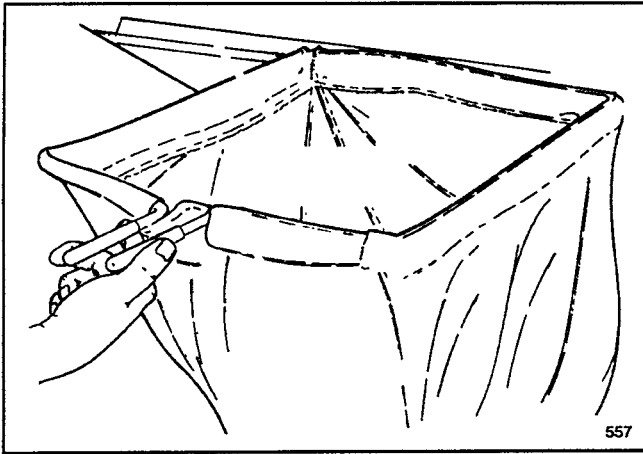


Figure 9

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. 10).

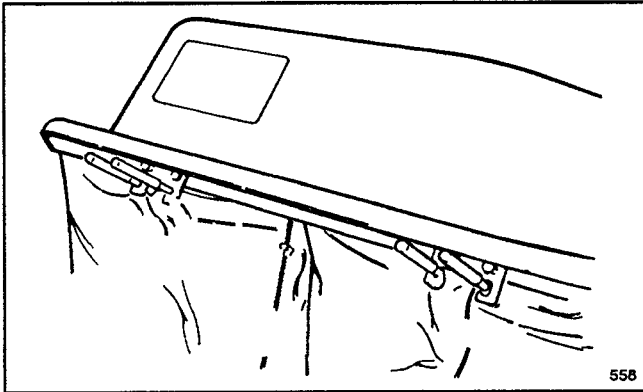


Figure 10

**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 Fig. 11, and insert plastic bags.

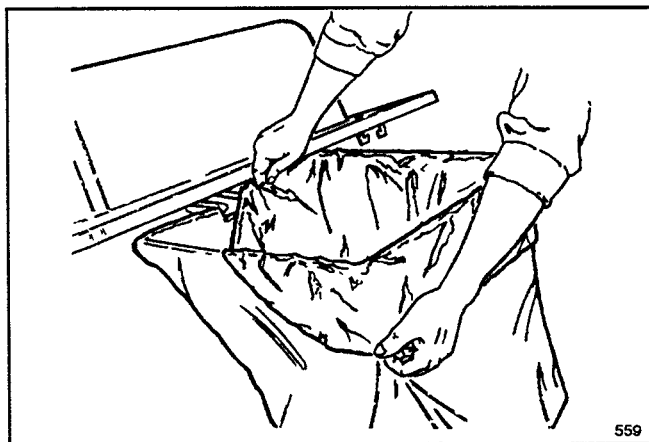


Figure 11

## Assemble and Install Chute Assembly and Duct

1. Secure retainer to duct with barbed clip and spacer fastener (Fig. 12).

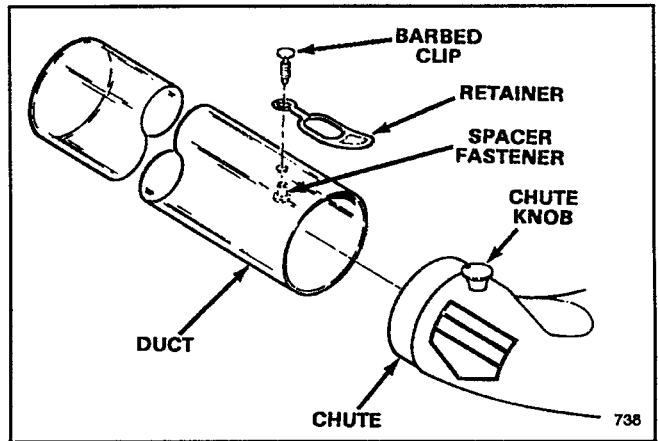


Figure 12

2. Slide duct onto chute assembly, aligning duct retainer with chute knob. Hook retainer onto knob, securing assemblies (Fig. 12).

3. After chute assembly and duct are assembled, slide duct into grass catcher.

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

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. 13).

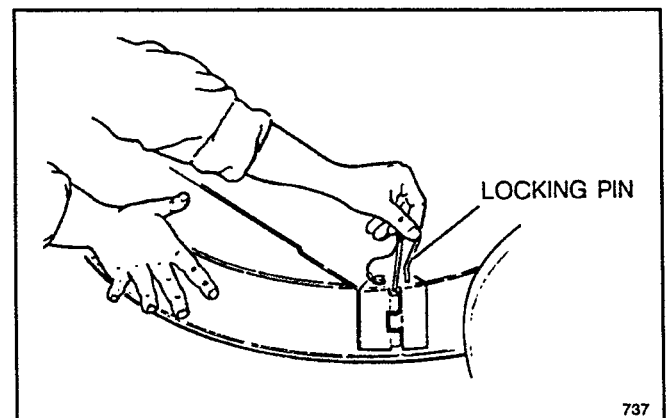


Figure 13

# OPERATING INSTRUCTIONS

## Bagging Conditions

To assure efficient operation of the TWIN BAGGER grass catcher, its 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 assure 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 its own internal moisture content, the system may malfunction. Therefore, to assure 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

- Objects can be thrown by mower if grass deflector or entire grass catcher is not properly secured in place.
- Thrown objects can cause serious personal injury or death to operator or bystanders.
- Do not operate mower without either the grass deflector or entire grass catcher in place.

## Bagging Tips

1. To assure maximum air currents in the system, move throttle to FAST and gear shift to 1st gear, which is the slowest ground speed.
2. Do not collect grass when it is wet or too long. Wet grass can be cut however, with the grass deflector installed. Several hours later, pick up the dry grass clippings with complete grass catcher installed.
3. 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.
4. 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.
5. Empty the grass bags and do not let clippings "back fill" into the duct. To empty bags, shift into NEUTRAL, move blade control into 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.
6. 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 duct. 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.
7. After using the TWIN BAGGER 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 assure good grooming and conveying results.
8. For improved performance install high sail blade (33-4750) and remove Recycler® baffle.



### WARNING

- A worn grass bag could allow small stones and other similar debris to be thrown in operator's or bystander's direction.
- Thrown objects can cause serious personal injury or death to operator or bystanders.
- Check the grass bag frequently. If it is damaged, install a new genuine TORO replacement bag that has this or a similar warning.