



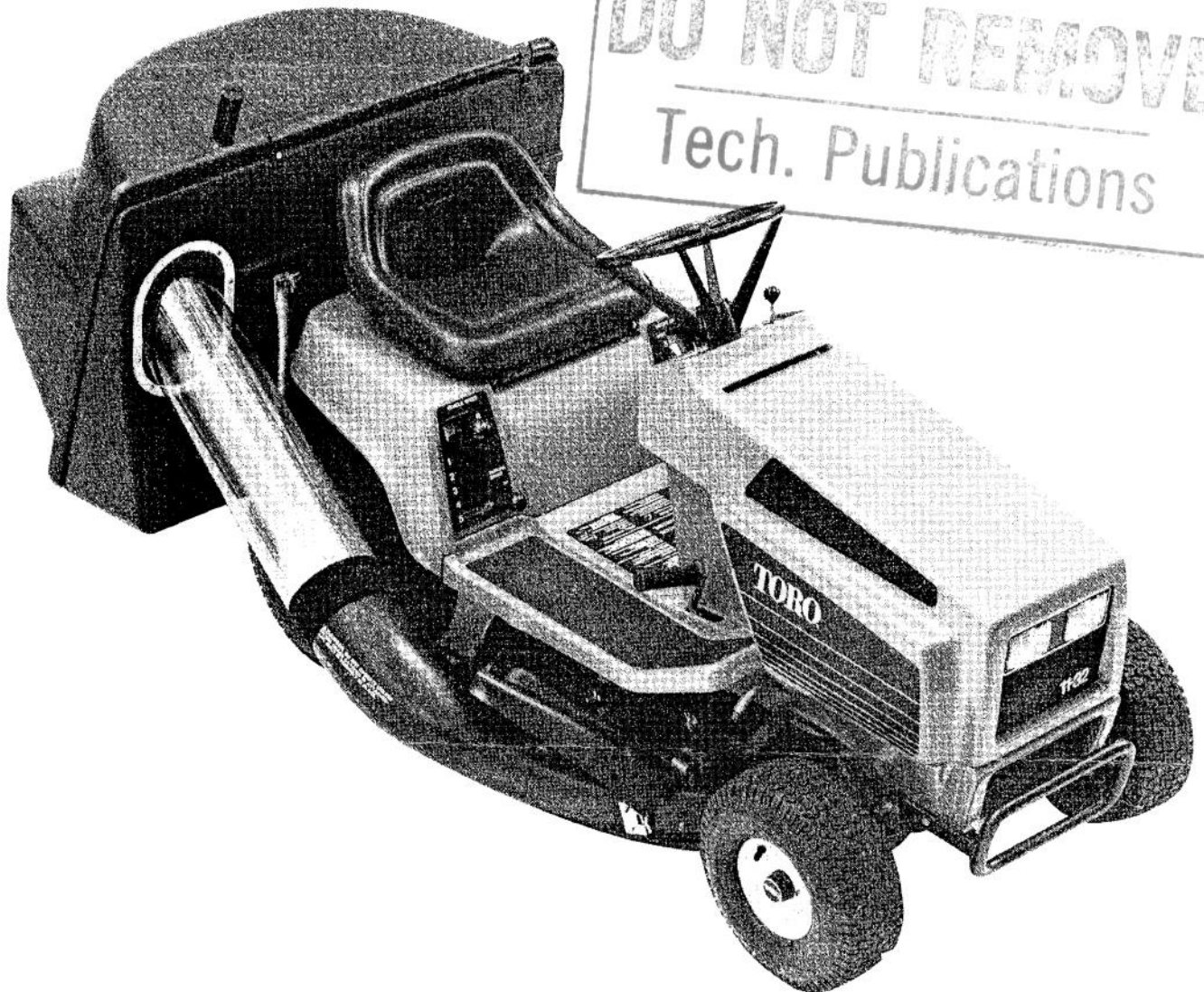
MODEL: 59111

**OPERATOR'S
MANUAL**

EASY-EMPTY™ GRASS CATCHER

FOR 832, 1032, AND 1132 FRONT AND REAR ENGINE RIDERS

**ONLY COPY
DO NOT REMOVE**
Tech. Publications



COPYRIGHT © ALL RIGHTS RESERVED

The Toro Company — 1978, Rev. 1979, 1980, 1982, 1983
MINNEAPOLIS, MN 55420 — U.S.A.

LOOSE PARTS

Description	Qty.	Use
Bag Support	1	Assemble And Install Grass Basket And Bag Support.
Mounting Brackets	2	
Capscrew 5/16-18x1½	4	
Locknut 5/16-18	9	
Capscrew 5/16-18x5/8	2	
Washer 11/32	3	
Mounting Plate	1	
Capscrew 5/16-18x1	3	
Dump Handle	1	
Roll Pin	1	
Grass Basket	1	
Chute Assembly	1	Assemble Chute Assembly To Duct.
Carriage Bolt ¼-20	2	
Flat Washer 5/16	2	
Locknut ¼-20	2	
Duct	1	

SETTING UP INSTRUCTIONS

Install Bag Support (Rear Engine Riders).

1. Loosely secure mounting brackets to rear stand bars with (2) capscrews (1½" lg.) and locknuts. Position brackets so long ends are to the rear (Fig. 1).
2. Loosely secure center mounting hole of mounting plate to hitch with capscrew (1" lg.), washer (11/32" I.D.) and locknut, positioning washer under hitch. Secure remaining holes with (2) capscrews (5/8" lg.) and locknuts (Fig. 1).
3. Loosely secure bottom of bag support to underside of mounting plate with (2) capscrews (1½" lg.) and locknuts (Fig. 1).
4. Secure upper cross member of bag support to mounting brackets with (2) capscrews (1" lg.), washers (11/32" I.D.) and locknuts. Tighten all fasteners.

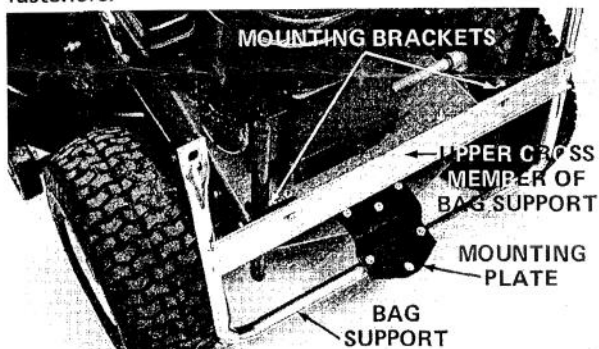


Figure 1

Install Bag Support (Front Engine Riders).

1. Aligning holes in hitch and bottom of bag support, loosely secure bag support to hitch with capscrews (1½" lg.) and locknuts (Fig. 2).

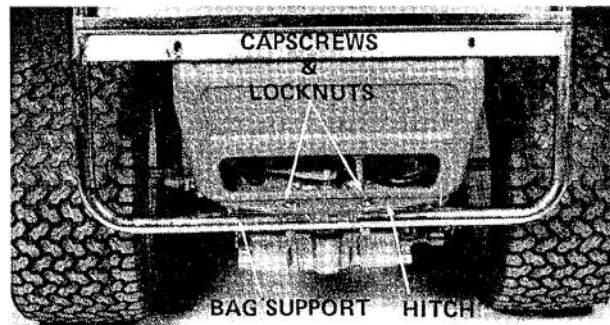


Figure 2

2. Loosely secure upper cross member of bag support to rider with capscrews (1" lg.), washers (11/32" I. D.) and locknuts as shown (Fig. 3).

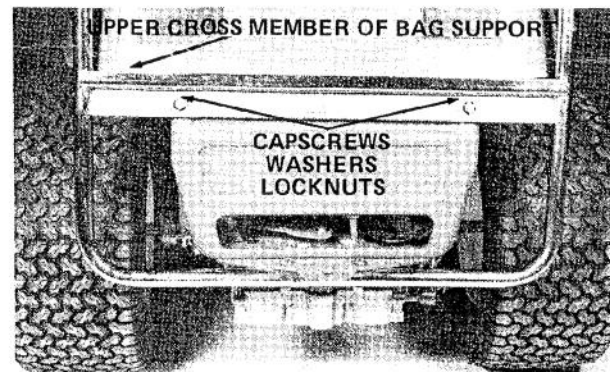


Figure 3

3. Tighten all capscrews and locknuts securing bag support to rider.

SETTING UP INSTRUCTIONS

Assemble and Install Grass Basket.

1. Set grass basket on its back and make sure small hole in basket is up.
2. Open grass basket and slide dump handle through hole in basket and handle guide (Fig.4). Next, tap roll pin through hole in handle (Fig. 4).

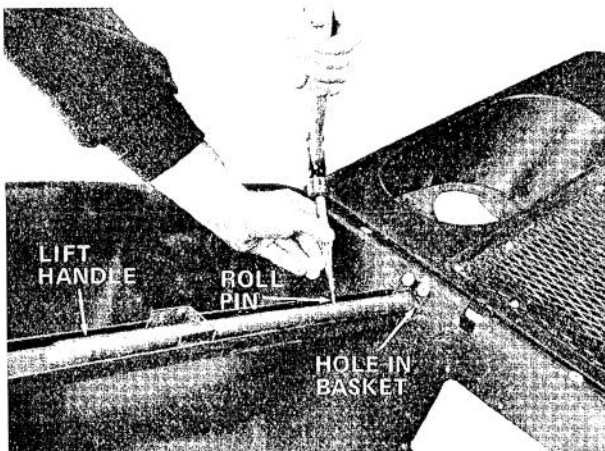


Figure 4

3. Pull lift handle out until it stops; then close grass basket door. Push lift handle down fully until it "bottoms out".

Note: Try to open basket door when handle is pushed in completely. If basket opens, lift handle is not pushed in far enough or basket is not closed tightly.

4. Position notches on bag hangers on rod of bag support (Fig. 5). Rotate grass basket up so mounting pins line up with mounting holes in bag support (Fig. 5). Push pins through holes and retain with hair pin cotters (Fig. 5).

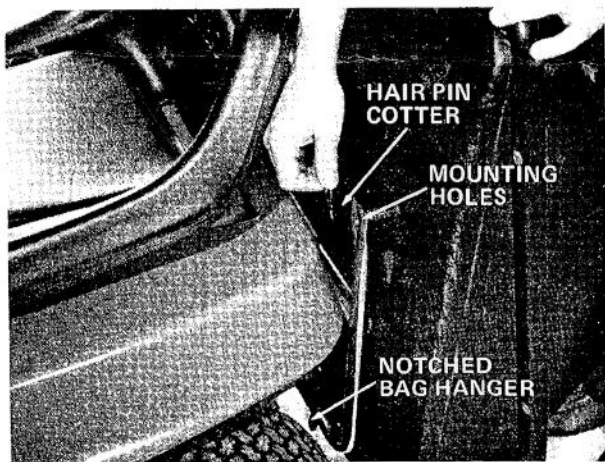


Figure 5

Assemble and Install Chute Assembly and Duct.

1. Sliding chute and duct together, line up holes so they can be secured (Fig. 6).

Note: Seam in duct must be positioned on mower side of chute assembly.

2. From inside of chute push carriage bolt through aligned holes and secure with washer and locknut. Repeat procedure on opposite side of assembly (Fig.6).

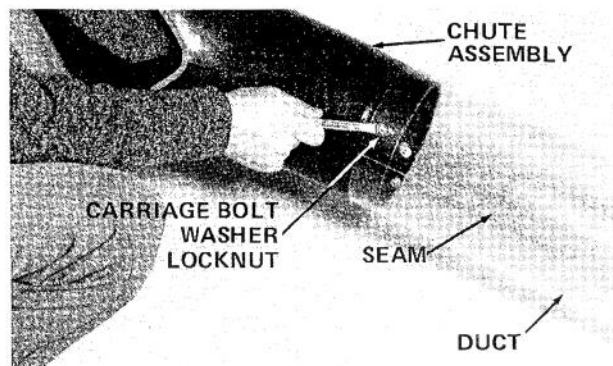


Figure 6

3. After chute assembly and duct are assembled, slide duct end into hole in grass basket that has rubber retainer around it.

4. Slide chute assembly under deflector and into locking position with mating part of hinge lock. Insert locking pin through hinge (Fig. 7).

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

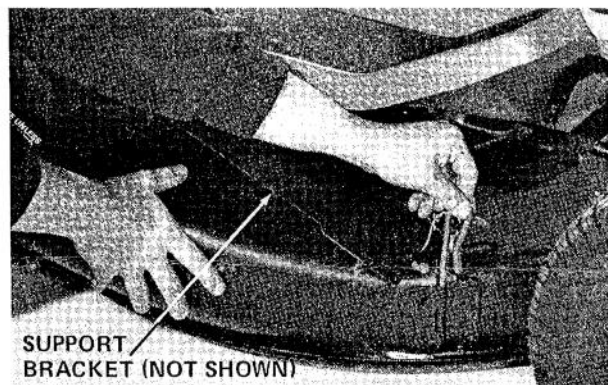


Figure 7

5. Check operation of grass basket by pulling lift handle up and opening basket door. Then close basket door and push lift handle down fully until it "bottoms out". Make sure grass basket door cannot open when handle is pushed in completely.

OPTIONAL ACCESSORIES

Wet Grass Bagging Kit — Part No. 38-5730

Cloth bags — Part No. 33-1060

OPERATING INSTRUCTIONS

BAGGING CONDITIONS

To assure efficient operation of the EASY EMPTY 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 basket. 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 basket 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 basket. Even though the supply of air may be acceptable for efficient conveying, some grass clippings may fall from the main air stream and into 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 grass basket, 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 groundspeed.

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 basket.

EASY EMPTY 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 grass deflector installed. Several hours later, pick up the dry grass clippings with complete rear 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 basket frequently and do not let clippings "back fill" into the duct. To open hopper, shift into NEUTRAL, move blade control into DISENGAGE detent and pull lift handle up; then pull handle forward to dump grass clippings. After dumping clippings, drive forward a few feet, close grass basket and push lift handle down.
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, however 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 basket when duct is slapped, move blade control into DISENGAGE detent and rotate ignition key to OFF. 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 EASY-EMPTY grass catcher, remove mulch from inside of grass basket, duct, discharge chute, and from underside of mower housing. If grass clippings remain on the 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.



DANGER

Do not remove duct, discharge chute, or grass basket when engine is running or when blade is rotating, because personal injury could result.