



MODEL NO. 59171

CUSTOMER  
OPERATING  
INSTRUCTIONS**RECYCLER™ KIT**

Since this instruction sheet covers only a small portion of the information necessary to maintain and operate your mower, we suggest that you keep this material with your Operator's Manual so that both may be referred to for instructions concerning safe operation and proper maintenance procedures.

**IMPORTANT**

Your mower has been converted to a Recycler mower. Make sure that your dealer is aware of this whenever parts are ordered or servicing is required.

**WARNING**

Recycler kit must be installed ONLY by an Authorized Toro Service Dealer to ensure that the converted mower meets safety requirements.

**SAFETY DECALS AND INSTRUCTIONS**

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

**CAUTION**

THIS MOWER IS EQUIPPED WITH THE RECYCLER KIT. MODEL NO. 59171. ALWAYS USE THE CORRECT PARTS. WHEN REPLACING ANY PART, BE SURE TO USE THE CORRECT PARTS. MAY BE LOST OR DAMAGED.

On rear of mower deck  
(Part No. 80-3420)

**WARNING**

DO NOT OPERATE MOWER UNLESS:  
ATTACHMENT  
IS LOCKED  
IN PLACE OR



DOOR IS  
LOCKED  
CLOSED.

TO CLEAR DISCHARGE, STOP ENGINE  
MOVE HANDLE BACK AND FORTH.

On discharge tunnel

**WARNING**

DO NOT OPERATE MOWER UNLESS DISCHARGE PLUG,  
DISCHARGE CHUTE, OR BAG IS LOCKED IN PLACE.  
LOCK DOOR CLOSED WHEN PLUG IS REMOVED.



On Recycler plug

# RECYCLER KIT CONTENTS

PART NUMBER	PART DESCRIPTION	QUANTITY
77-0500	Discharge Plug Assembly	1
46-3501	Discharge Tunnel	1
46-6810	Discharge Tunnel Bolt	1
76-4570	Latch Plate	1
77-0200	Door Assembly	1
47-5840	Door Retainer	1
46-8090	Screw	2
76-4660	Spring	1
80-3780	Spring bracket	1
76-2120 } 76-2130 } 76-2140 }	Kickers - For SP and HP Models	3
76-2150	(Self-Propelled Models Only)	1
76-2160	(Hand Push Models Only)	1
32104-130	Screws (For Kickers)	8
80-2770	Anti-Scalp Cup	1
75-9420	Blade	1
80-0510	Blade Stiffener	1
80-3420	Decal	1
3314-314	Operating Instruction Sheet	1

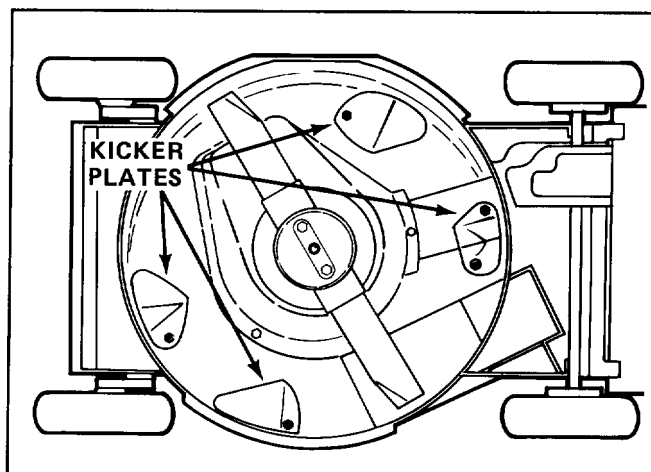
## SPECIAL RECYCLER FEATURES

The Toro Recycler Kit provides a new and completely different cutting concept that leaves your lawn with a bagged look without bagging clippings.

The Recycler Kit contains special parts which increase your mower's ability to recycle grass clippings, leaves, and other yard debris. These parts are:

A. A special blade and blade stiffener

B. Four special "kicker plates" located on the underside of the mower deck at strategic intervals (Fig. 1)



Self-propelled Model

Figure 1

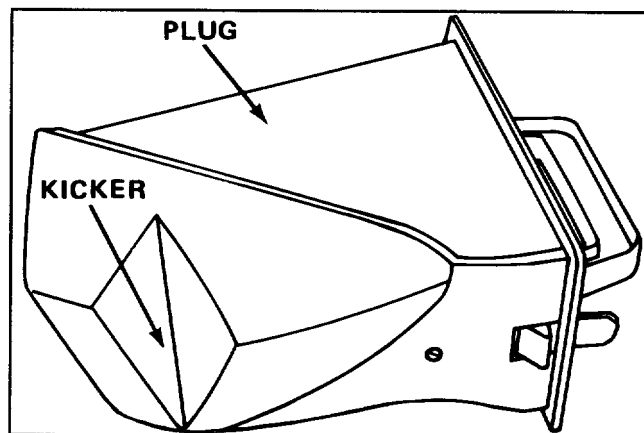



Figure 2

C. A special plug which snaps into the mower's discharge tunnel (a fifth kicker is on the plug) (Fig. 2)

The blade and four kicker plates are permanent parts of your mower. The blade should be removed only for sharpening or replacement. The kickers should never be removed, unless they need to be replaced. They do not interfere with the normal bagging or optional side discharge operations of the mower.

The plug, however, is a removable part, just as the grass bag and optional side discharge chute are removable parts. You cannot use the plug in combination with either the grass bag or the side discharge chute. The plug is used only for recycling.

Although the plug is used only for recycling, it is possible to mow without using the plug by closing the discharge tunnel door. However, your recycling will be much more effective if you use the plug as it has an additional kicker (Fig. 2) that helps drive the clippings down into the grass.

**WARNING**

Never start or operate the mower unless one of the following is true:

1. The Recycler plug is locked in place.
2. The bag is locked in place.
3. The side discharge chute is locked in place.
4. The discharge door is locked closed.

## TIPS FOR RECYCLING GRASS CLIPPINGS

Even with the Recycler kit, you may encounter conditions where it is not possible to hide all of the recycled clippings or leaves all of the time down in the grass. Follow these instructions for the best recycling results and quality-of-cut:

- In the heat of the summer, it is generally best to cut grass at the C, D or E height-of-cut settings. Only about 1/3 of the grass blade should be cut. Cutting below the C setting is not recommended unless grass is sparse or it is late fall when grass growth begins to slow down. If long grass must be cut, you may need to use a higher height-of-cut setting and a slower walking speed. Then recut the grass at a more normal setting. If grass is too long and leaves clumps on top of grass, mower may plug and cause engine to stall.

**NOTE:** When bagging, you can cut grass at any length.

- When cutting grass over 6" tall, you may want to cut the lawn twice to hide clippings down in the grass.
- Mow grass in dry conditions only. For safety reasons, never operate mower in wet grass. There is the possibility that you may slip on wet grass and that your foot might slide into the blade path.
- Maintain a sharp blade throughout the cutting season. Periodically file down nicks on blade.
- Clean any residue from the underside of mower deck, kickers, and plug after each use. See Cleaning Mower Deck, page 4.

- Alternate mowing direction. This helps disperse clippings over lawn for even fertilization.

If the recycling quality of cut seems marginal, try one or more of the following:

- Raise the height-of-cut setting on your mower.
- Cut your grass more frequently.
- Operate the mower at a slower ground speed.
- Overlap cutting swaths instead of cutting a full swath with each pass.
- Mow across the marginal areas a second time.
- Use the grass bag or optional side discharge chute.

## TIPS FOR RECYCLING LEAVES

You may recycle leaves in the fall instead of bagging. If you decide to bag, the Recycler kit reduces the number of leaf bags you will need by finely chopping up the leaves before bagging. And some leaf particles will be recycled back down into the soil. When spring rolls around, the leaf particles will have decomposed and added valuable nutrients to the soil.

- Recycle your leaves if more than 50% of the lawn shows through the leaf cover. If less than 50% of the lawn can be seen through the leaves, it is a good idea to bag.
- For light leaf coverage, recycle with all wheels at the same height-of-cut setting.
- If leaf cover is over 5", set the front wheels one or two notches higher than the rear wheels, thus making it easier for leaves to be fed under mower deck.
- Operate the mower at a slower ground speed if recycled leaves are not cut up finely enough to be hidden.
- If you recycle a lot of oak leaves, you might want to add lime to your grass in the spring to reduce the acidity of the oak leaves.

## USING RECYCLING PLUG

1. Make sure engine is turned off. Open the discharge door by pulling forward on the handle and rotating it rearwards (Fig. 3). Hold the discharge door handle to prevent the spring-loaded door from closing while inserting the plug.
2. Since the plug is slightly wider than the discharge tunnel opening, you must tilt the plug slightly to the right while inserting it (Fig. 3). Make sure the arrow on the plug decal is pointing upwards.

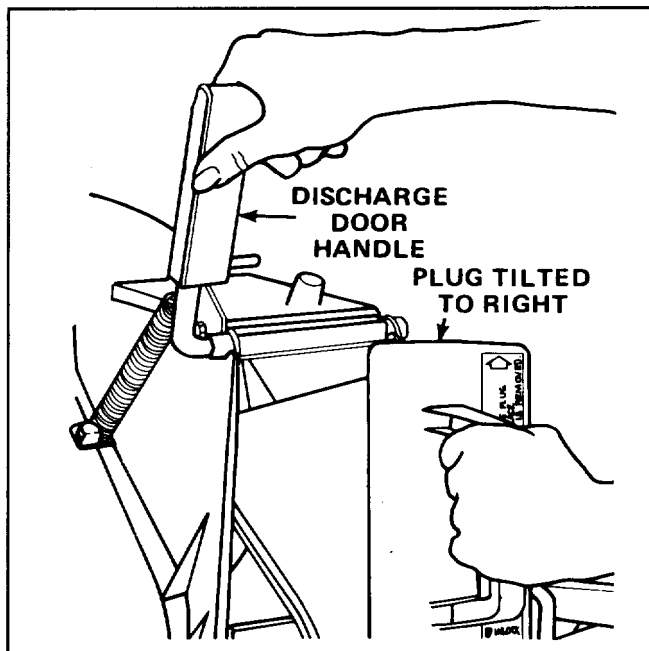


Figure 3

3. Push the plug all the way in until the spring clip on the bottom of the plug clicks into place, locking the plug securely into the discharge tunnel (Fig. 4).

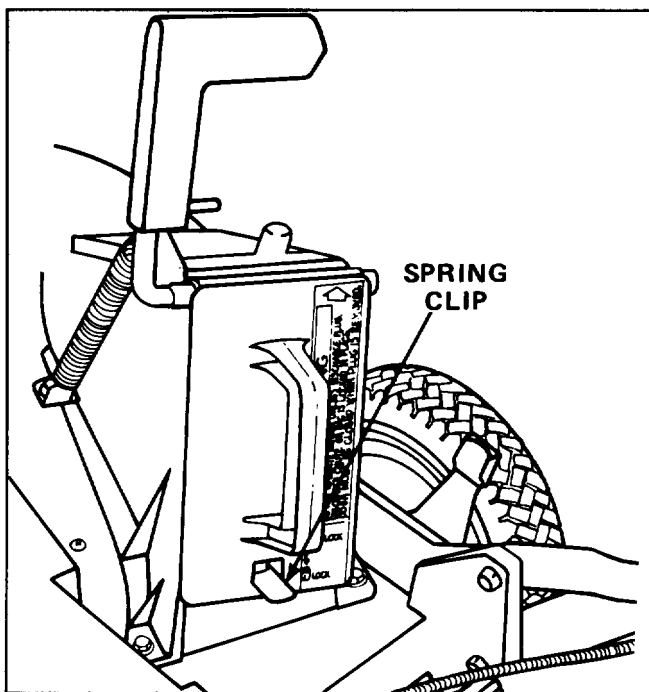


Figure 4

4. To remove discharge plug, pull discharge door handle rearward and hold. Lift spring clip on bottom of Recycler plug (Fig. 4). Pull plug rearward out of discharge tunnel.

## CLEANING MOWER DECK, DISCHARGE TUNNEL, AND RECYCLER PLUG

Shut engine off. Remove spark plug wire from spark plug. Wait for all moving parts to stop.

To ensure best performance, the Recycler plug must be cleaned after each use. When grass is thick and lush, clippings may collect on and around the Recycler plug; this may make plug removal difficult. Remove plug from discharge tunnel and clean off all debris.

Keep underside of mower deck and inside of discharge tunnel area clean. Be especially careful to keep kickers on underside of mower deck clean (Fig. 1).

Always be sure that discharge tunnel door closes and locks when handle is released. If debris prevents discharge door from closing and locking, clean discharge tunnel and door thoroughly.



## WARNING

Never start or operate the mower unless one of the following is true:

1. The Recycler plug is locked in place.
2. The bag is locked in place.
3. The side discharge chute is locked in place.
4. The discharge door is locked closed.