



MODEL NO. 59183

CUSTOMER
OPERATING
INSTRUCTIONS

RECYCLER® II MOWER CONVERSION 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® II mower. Make sure that your dealer is aware of this whenever parts are ordered or servicing is required.



WARNING

The Recycler® II Mower 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 TORO RECYCLER II KIT MODEL NO. 59183. CONSULT RECYCLER II KIT PARTS LIST WHEN REPLACING ANY PARTS. FAILURE TO USE CORRECT PARTS MAY RESULT IN PERSONAL INJURY. 92 - 8076

On rear of mower deck
(Part No. 92-8076)



DANGER

- THROWN OBJECTS AND BLADE CONTACT MAY RESULT IF DOOR IS NOT LOCKED CLOSED.
- THROWN OBJECTS AND BLADE CONTACT CAN SERIOUSLY INJURE.
- OPERATE ONLY IF DOOR IS LOCKED CLOSED OR ATTACHMENT IS LOCKED IN PLACE.
- CLEAR DISCHARGE WITH ENGINE STOPPED BY MOVING DOOR HANDLE BACK AND FORTH.

On discharge tunnel



WARNING

ROTATING BLADE OR THROWN OBJECTS CAN SERIOUSLY INJURE. DO NOT OPERATE WITHOUT PLUG OR OTHER ATTACHMENT LOCKED IN PLACE.



On discharge tunnel plug

RECYCLER® II MOWER KIT CONTENTS

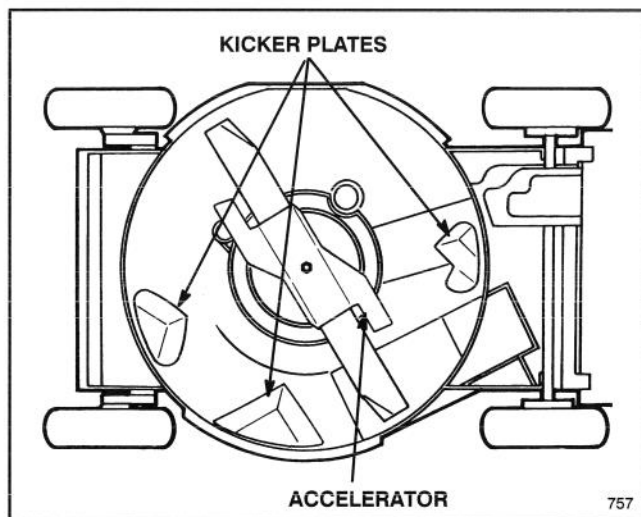
PART NUMBER	PART DESCRIPTION	QUANTITY
77-0500	Discharge Plug Assembly	1
82-9150	Discharge Tunnel	1
46-6810	Discharge Tunnel Bolt (1/2" long)	1
46-6811	Discharge Tunnel Bolt (3/4" long)	1
76-4570	Latch Plate	1
77-0200	Door Assembly	1
80-3770	Door Retainer	1
46-8090	Screw	2
76-4660	Spring	1
71-9350	Spring bracket	1
92-1720 } 92-1730 }	Kickers – For SP and HP Models	2
92-1660	Kicker (hand push models only)	1
92-1750	Kicker (self-propelled models only)	1
32144-111	Screws (for kickers)	6
80-2770	Anti-Scalp Cup (for bbc models)	1
91-2256	Blade	1
92-1599	Accelerator (for zone start models)	1
91-2255	Accelerator (for bbc models)	1
92-8076	Decal	1
3317-226	Operating Instruction Sheet	1

RECYCLER® II MOWER KIT FEATURES

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

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

- A.** A special blade and accelerator
- B.** Three "kicker plates" located on the underside of the mower deck at strategic intervals (Fig. 1)



Self-propelled Zone Start Model

Figure 1

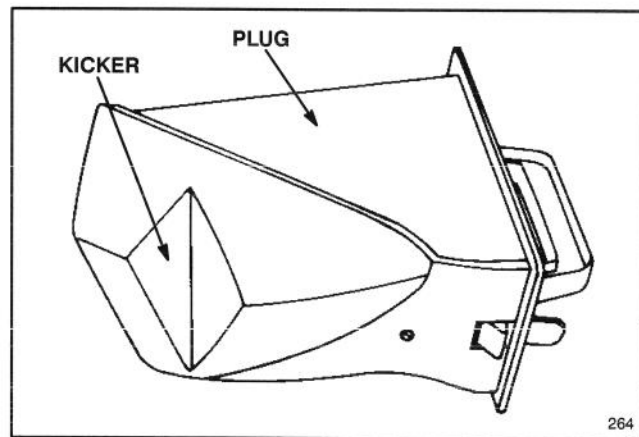


Figure 2

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

The blade, accelerator and three kicker plates are permanent parts of your mower. The blade and accelerator should be removed only when the blade needs sharpening. 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.



WARNING

- Operating mower without accelerator in place could cause blade to flex, bend or break.
- A broken blade could cause serious injury or death to operator or bystanders.
- Do not operate mower without accelerator.

It is possible to mow without using the plug by closing the discharge tunnel door. However, your cutting 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

- Grass clippings and other objects can be thrown from an open discharge tunnel.
- Thrown objects can cause serious injury or kill operator or bystanders.
- Never start or operate the mower unless one of the following is true:
 1. The discharge tunnel plug is locked securely in discharge tunnel.
 2. The grass bag is locked in place.
 3. The optional side discharge chute is locked in place.
 4. The discharge tunnel door is locked closed.

TIPS FOR CUTTING GRASS CLIPPINGS

Even with the Recycler® II Mower Conversion Kit, you may encounter conditions where it is not possible to hide all of the grass clippings or leaves all of the time down in the grass. Follow these instructions for the best cutting results and lawn appearance:

- 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.
- When cutting grass over 6" tall, you may want to cut the lawn twice to hide clippings down in the grass.
- 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.

- 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.

- Alternate mowing direction. This helps disperse clippings over lawn for even fertilization.
- Set height-of-cut on front wheels one notch lower than rear wheels. (example: set front wheels at "C" setting and rear wheels at "D" setting)

If the lawn appearance is not satisfactory, try one or more of the following:

- Sharpen the blade.
- Walk at a slower pace while mowing.
- Raise the height-of-cut setting on your mower.
- Cut your grass more frequently.
- 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 CUTTING LEAVES

In the fall, cut leaves up into tiny particles which will be injected down into the grass instead of bagging. If you decide to bag, the Recycler® II Mower Conversion Kit reduces the number of leaf bags you will need by finely chopping up the leaves before bagging. Some leaf particles will be injected back down into the soil. When spring arrives, the leaf particles will have decomposed and returned valuable nutrients to the soil.

- When cutting is complete, always be sure that 50% of the lawn shows through the finely cut leaf cover. This may require one or more passes over the leaves. If less than 50% of the lawn can be seen through the leaves, it is a good idea to bag.
- Ensure leaves are dry.
- For light leaf coverage, mow with all wheels at the same height-of-cut setting.
- If there are more than 5" of leaves on lawn, set the front wheels one or two notches higher than the rear wheels, thus making it easier to feed leaves under mower deck.
- Walk at a slower mowing speed if leaves are not being cut up finely enough to be hidden in the grass.
- If you cut up a lot of oak leaves, you might want to add lime to your grass in the spring. Lime reduces the acidity of oak leaves.



USING DISCHARGE TUNNEL 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.

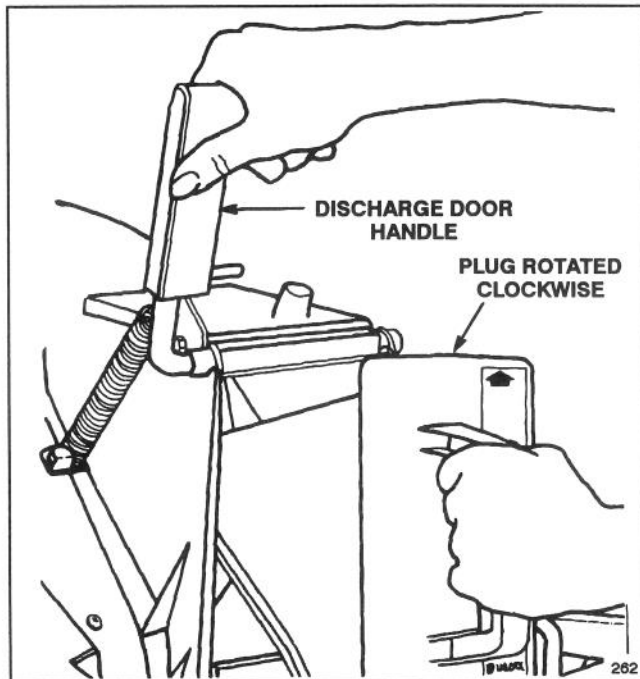


Figure 3

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).

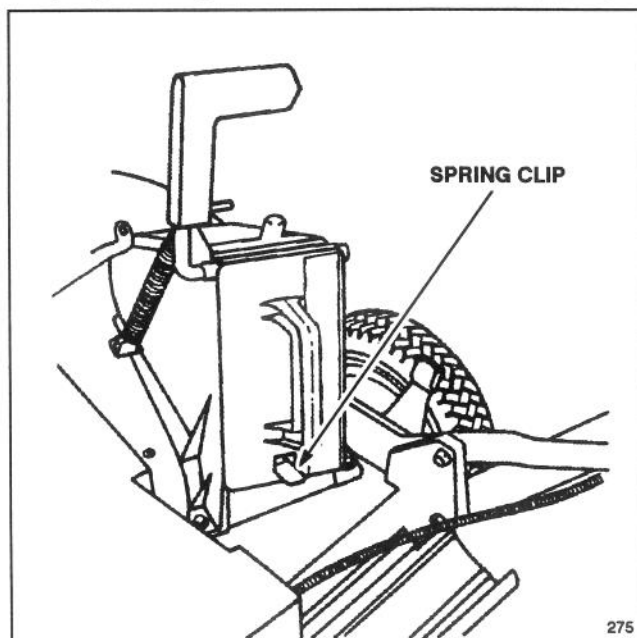


Figure 4

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

CLEANING MOWER DECK, DISCHARGE TUNNEL, BELT COVER AND PLUG

To ensure best performance, the discharge tunnel plug must be cleaned after each use. When grass is thick and lush, clippings may collect on and around the 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.

1. Stop engine and pull wire off spark plug. Wait for all moving parts to stop.
2. Tip mower on side opposite from spark plug. Avoid rotating blade because starting problems may result.
3. Remove dirt and grass clippings that stick to housing with a garden hose. Scrape out remaining debris with a hardwood scraper. Avoid burrs and sharp edges.
4. Turn mower upright.
5. Remove debris from inside of discharge tunnel.
6. Remove screws securing belt cover (Fig. 5) to mower housing. Lift off cover and brush out all debris from belt area. Reinstall belt cover.

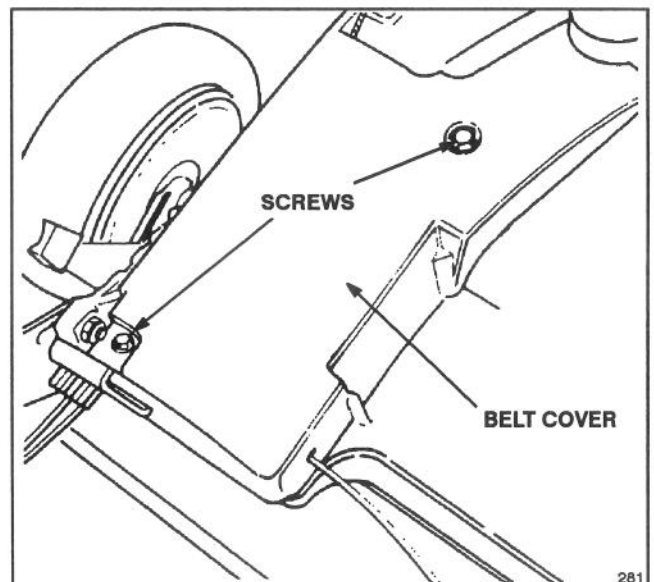


Figure 5

7. Clean discharge tunnel plug.

8. If a garden hose was used to clean the housing, start the engine and let it run for a few minutes to dry out any moisture that may have entered it. While the engine is running, engage and disengage the safety system several times to dry it out.



WARNING

- Grass clippings and other objects can be thrown from an open discharge tunnel.
- Thrown objects can cause serious injury or kill operator or bystanders.
- Never start or operate the mower unless one of the following is true:
 1. The discharge tunnel plug is locked securely in discharge tunnel.
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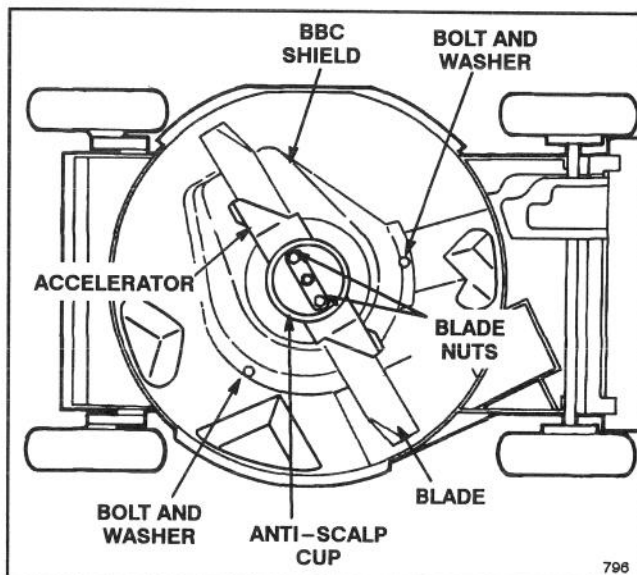
WARNING

- Operating mower without accelerator in place could cause blade to flex, bend or break.
- A broken blade could cause serious injury or death to operator or bystanders.
- Do not operate mower without accelerator.

CLEANING BLADE BRAKE CLUTCH SHIELD (BBC models only)

The BBC (Blade Brake Clutch) shield should be cleaned periodically during the mowing season and at the end of each mowing season to ensure best performance and to prevent parts degradation.

1. Stop engine and pull wire off spark plug.
2. Drain gasoline from fuel tank; refer to Draining Gasoline section in your operator's manual.
3. Tip mower on side opposite from spark plug.
4. Remove (2) blade nuts, anti-scalp cup, accelerator, blade, blade spacer, and (3) bolts and washers securing BBC shield to mower deck (Fig. 6).



Self-propelled BBC Model

Figure 6

5. Brush or blow debris from inside of shield.
6. Reinstall BBC shield with (3) bolts and washers, blade spacer, blade, accelerator, anti-scalp cup, and (2) blade nuts.
7. Reinstall spark plug wire.