



TORO[®]

Wheel Horse[®]
48" Vac-Bagger
for
5xi Lawn and Garden Tractors
Model No. 79310 – 8900001 & Up

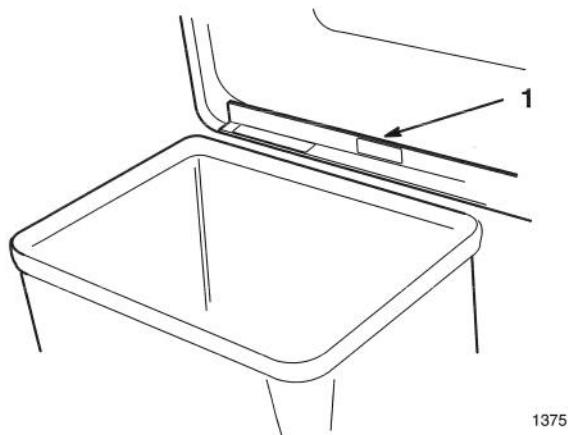
Operator's Manual

IMPORTANT: Read this manual, and all related equipment manuals, carefully. They contain information about your safety and the safety of others. Also become familiar with the controls and their proper use before you operate the product.

Introduction

We want you to be completely satisfied with your new product, so feel free to contact your local Authorized Service Dealer for help with service, genuine replacement parts, or other information you may require.

Whenever you contact your Authorized Service Dealer or the factory, always know the model and serial numbers of your product. These numbers will help the Service Dealer or Service Representative provide exact information about your specific product. You will find the model and serial number plate located in a unique place on the product as shown below.



1375

1. Model and Serial Number Plate

For your convenience, write the product model and serial numbers in the space below.

Model No: _____
Serial No. _____

Contents

	Page
Safety and Instruction Decals	2
Installation	3
Loose Parts	3
Preparing the Tractor	5
Preparing the Mower	5
Assemble the Blower	8
Installing the Vac-Bagger onto the Tractor	8
Removing the Bagger	13
Removing the Vac Bagger from the Tractor	16
Operation	19
Using the Full Bag Tester	19
Emptying the Grass Bags	19
Clearing Obstructions from the Bagger ...	20
Operating and Bagging Tips	20
Maintenance	22
Inspecting the Bagger Attachment	22
Inspecting the Mower Blades	22
Caring for the Grass Bags	22
Cleaning the Bagger Attachment	22
Storing the Bagger Attachment	23

Safety and Instruction Decals



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

INSIDE EDGE OF BAGGER TOP (PART NO. 92-7113)



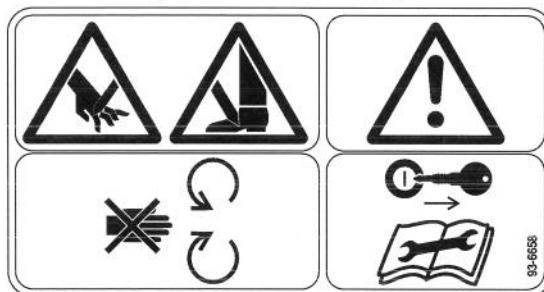
ON MOWER BELT COVER (PART NO. 92-7108)



MOLDED INTO BELT SHIELD



ON BLOWER HOUSING (PART NO. 93-6658)



MOLDED INTO BELT SHIELD



Installation

Loose Parts

Note: Use the chart below to identify parts used for assembly.

DESCRIPTION	QTY.	USE
Bagger hitch	1	
Bolt 3/8–16 x 1" (25 mm)	4	Mount bagger hitch
Nut 3/8"	4	
Counterweight	1	
Bolt 3/8–16 x 2–1/4" (57 mm)	2	
Flat washer 3/8" (10 mm)	4	Install counterweight
Locknut 3/8"	2	
Danger decal	1	
Pivot support	1	
Bolt 5/16–18 x 3/4" (19 mm)	1	Install blower pivot support
Flange nut 5/16"	1	
Washer 3/8"	1	
Blower mounting plate	1	
Blower housing assembly	1	
Carriage bolt 5/16–18 x 3/4" (19 mm)	3	
Flange nut 5/16"	4	
Bolt 5/16–18 x 1" (25 mm)	1	
L-support bracket	1	
Washer 5/16" (8 mm)	1	
Latch	1	Assemble the blower
Spring	1	
Screw #10–24 x 3/4" (19 mm)	1	
Nut #10	2	
Washer #10 (5 mm)	2	
Bolt 1/4–20 x 3/4" (19 mm)	1	
Washer 1/4" (6 mm)	1	
Locknut 1/4"	1	

Installation

DESCRIPTION	QTY.	USE
Cover	1	
Indicator rod	1	
Handle	1	
Jam nut 1/4"	1	
Clips	2	Assemble the bagger
Screw 1/4–20 x 3/4" (19 mm)	2	
Locknut 1/4"	4	
Frame assembly	1	
Tube	1	
Knob	1	
Screw 1/4–20 x 3/4" (19 mm)	1	
Washer	1	Assemble the tube latch and knob
Rubber latch	1	
Flanged spacer	1	
Barbed fastener	1	
Pulley	1	
Belt	1	
Belt cover bracket	1	
Screw 1/4–20 x 3/8" (10 mm)	3	
Mower belt cover	1	Install the blower
Screw 1/4–20 x 1/2" (13 mm)	2	
Blower belt cover	1	
Bolt 1/4–20 x 5/8" (16 mm)	2	
Locknut 1/4"	2	
Quick-attach bracket	1	
Hairpin cotter	2	Install the bagger assembly
Grass bags	2	
Operator's Manual	1	Read before operating

Preparing the Tractor

Remove the Transaxle Cover

Remove the transaxle cover from the back of the tractor (Fig. 1).

Note: Save all parts and hardware for use when installing the transaxle cover.

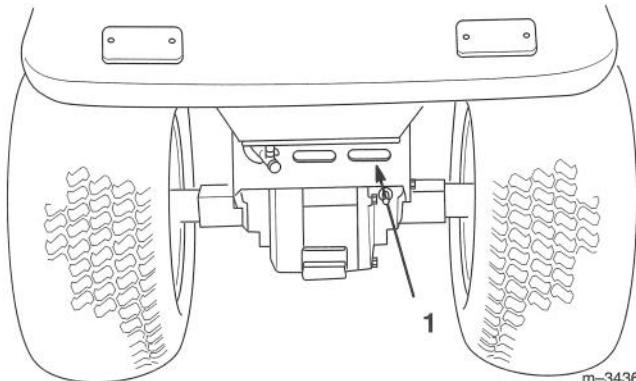


Figure 1

1. Rear transaxle cover

Mount the Vac Bagger Hitch to the Tractor

Install the vac bagger hitch to the tractor with 4 bolts and nuts (Fig. 2).

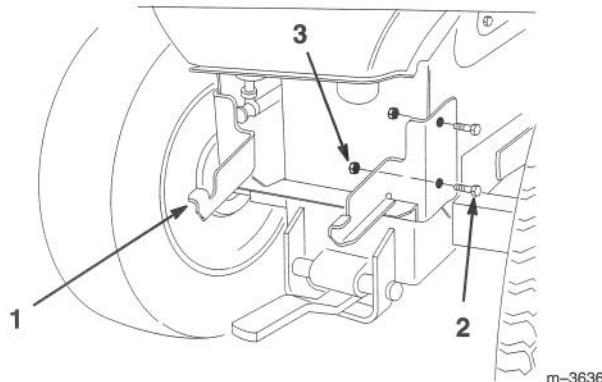


Figure 2

1. Bagger hitch
2. Bolt 3/8 x 1" (25 mm)
3. Nut 3/8"

Preparing the Mower

Remove the Discharge Chute

1. Remove the discharge chute from the mower (Fig. 3).

Note: Save all parts and hardware for use when installing the discharge chute.

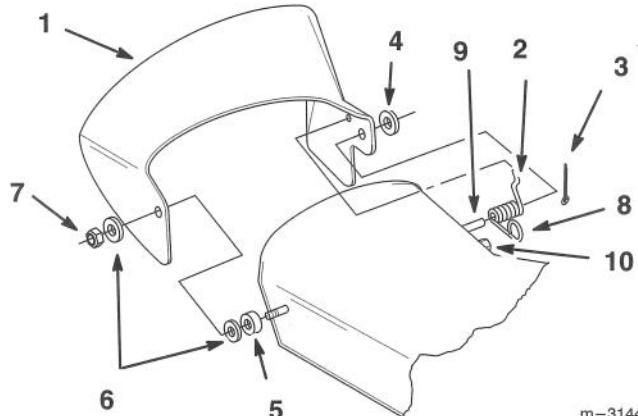


Figure 3

1. Discharge chute
2. Spring
3. Cotter pin 1/8" x 3/4" (19 mm)
4. Washer 1/2" (13 mm)
5. Rubber bushing
6. Plastic washer
7. Jam nut 3/8"
8. Loop in spring
9. Post on mower housing
10. Stud on mower housing

Remove the Recycling Baffles

1. Remove the lock nuts from the right side baffle (Fig. 4). Slide the baffle out the discharge opening to remove.

Note: Only the right side baffle need be removed for side discharge mowing.

2. Install the previously removed $5/16 \times 5/8"$ (16 mm) bolt and $5/16"$ locknut in the open hole on the right front of the mower for safety (Fig. 4).

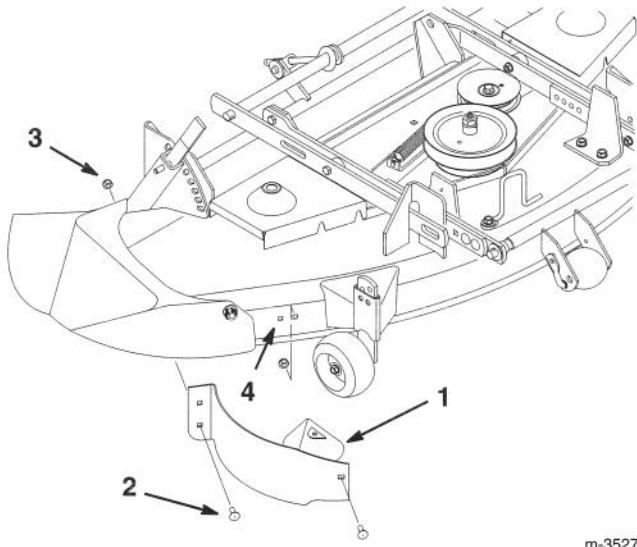


Figure 4

1. Baffle right side	3. Lock nut $5/16"$
2. Bolt $5/16 \times 5/8"$ (16 mm)	4. Install bolt in open hole

Install the Mower Deck Counterweight

1. Position the mower deck counterweight on the left-hand side of the mower so that it fits snuggly against the side of the mower (Fig. 5).
2. Using a punch in the holes of the counterweight, mark the location for drilling (2) $13/32"$ holes. Remove the counterweight and drill the holes.
3. Secure the counterweight to the top of the mower deck with (2) $3/8 \times 2-1/4$ (57 mm) bolts, (4) $3/8"$ (10 mm) flat washers, and (2) $3/8"$ locknuts.

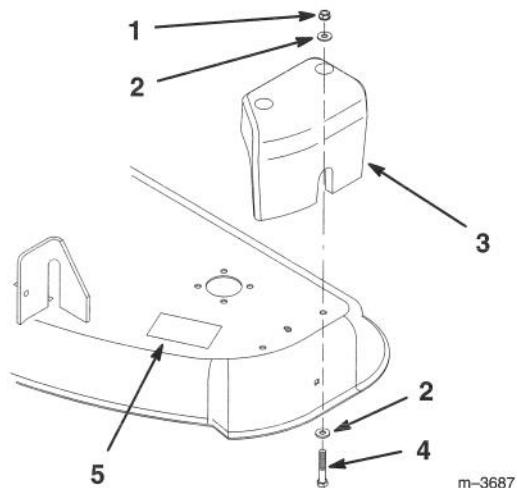


Figure 5

1. Locknut $3/8"$	4. Bolt $3/8 \times 2-1/4"$ (57 mm)
2. Flat washer $3/8"$ (10 mm)	5. Danger decal
3. Counterweight	

DANGER

POTENTIAL HAZARD

- Open holes in the mower expose you and others to thrown debris.

WHAT CAN HAPPEN

- Debris thrown out of holes in the mower can cause injury.

HOW TO AVOID THE HAZARD

- Never operate mower without hardware mounted in all holes in mower.
- Install hardware in mounting holes when recycle baffle is removed.

Install the Blower Pivot Support

- Slide the pivot support over the threaded stud welded to the front of the mower near the discharge opening. Use the inside slot on the pivot support (Fig. 6).
- Align the pivot support parallel with the front curved edge of the mower deck and tight up against the top of the mower. (Fig. 6). Clamp the pivot support in this position.
- Drill an 11/32" (9 mm) hole in the top of the mower using the pivot support as a guide.
- Secure the pivot support to the mower with a 5/16 x 3/4" (19 mm) bolt and a 5/16" flange nut (Fig. 6).
- Place a 3/8" washer and 3/8" jam nut (removed from the discharge chute) snug onto the stud. Do not overtighten the jam nut (Fig. 6).

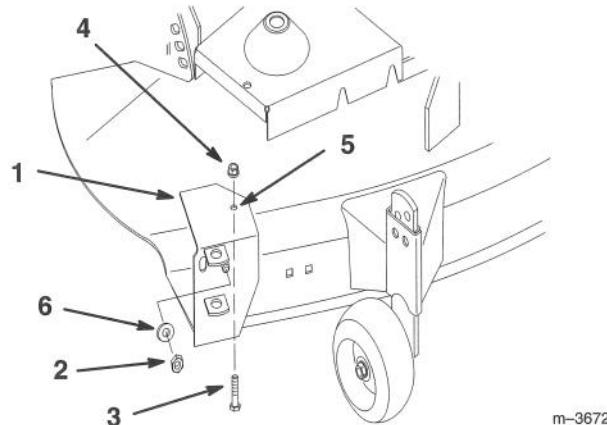


Figure 6

1. Pivot support	4. Flange nut 5/16"
2. Jam nut 3/8"	5. Drill 11/32" (9 mm) hole
3. Bolt 5/16 x 3/4" (19 mm)	6. Washer 3/8"

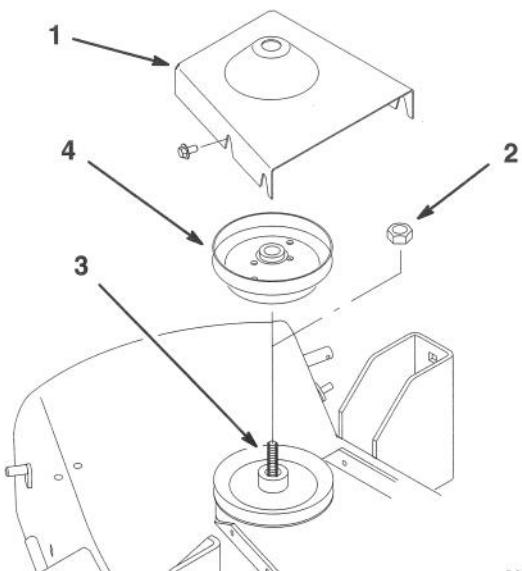
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Install the Blower Pulley onto the Mower

- Remove the mower belt cover from the right side pulley (Fig. 7).

Note: Save all parts and hardware for use when removing the blower.

- Remove the spindle pulley nut. Block the blade with a piece of wood or some other device to stop it from turning while you remove the pulley nut.
- Thread the new blower pulley onto the spindle shaft in place of the pulley nut (Fig. 7). Torque pulley to 70 ft-lbs (95 N.m).



m-3682

Figure 7

1. Belt cover	3. Spindle shaft
2. Nut	4. Blower pulley

Assemble the Blower

1. Install the mower to the tractor; refer to Mower Operator's Manual.
2. Assemble the blower mounting plate to the blower with (3) 5/16 x 3/4" (19 mm) carriage bolts and (3) 5/16" flange nuts (Fig. 8).
3. In the front inside hole of the blower insert a 5/16 x 1" (25 mm) bolt, item 6 (Fig. 8).

Note: This bolt must be installed down thru the plate and blower for proper belt clearance.

4. Inside the blower housing slide the L-bracket over the bolt. Hold the L-bracket tight against the blower housing wall and secure it with a 5/16" (8 mm) washer and 5/16" flange nut (Fig. 8).

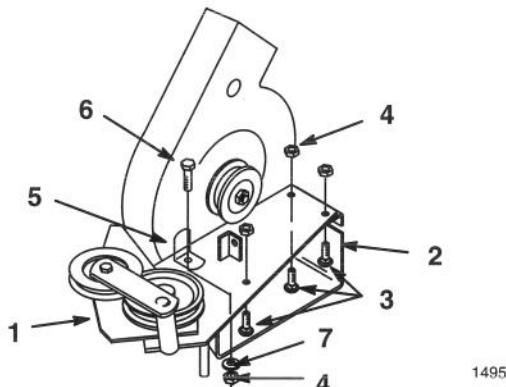


Figure 8

1. Blower mounting plate	5. L-bracket
2. Blower assembly	6. Bolt 5/16 x 1" (25 mm) (down from top)
3. Carriage bolt 5/16 x 3/4" (19 mm)	7. Washer 5/16" (8 mm)
4. Flange nut 5/16"	

5. Install one end of the tension spring and a #10 nut onto a #10 x 3/4" (19 mm) screw. Thread the nut on within 1/8" (3 mm) from the end of the screw so the spring rotates freely (Fig. 9).

6. Slide a #10 washer onto the screw and insert them through the blower housing. Secure them with a second #10 (5 mm) washer and #10 nut (Fig. 9).
7. Hook the spring into the latch and mount them to blower housing with a 1 1/4 x 3 1/4" (19 mm) bolt, 1/4" (6 mm) washer and 1/4" locknut (Fig. 9). Check that the latch pivots freely.

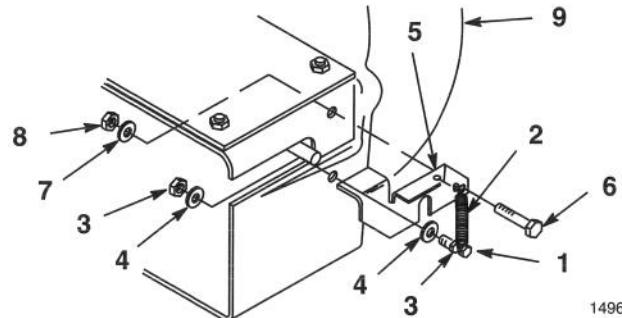


Figure 9

1. Screw #10 x 3/4" (19 mm)	6. Bolt 1/4 x 3/4" (19 mm)
2. Spring	7. Washer 1/4" (6 mm)
3. Nut #10	8. Locknut 1/4"
4. Washer #10 (5 mm)	9. Blower assembly
5. Latch	

Installing the Vac-Bagger onto the Tractor

Assemble the Bagger

1. Install the "full-bag" indicator rod through the hole in the rubber seal and the slot in the bagger cover (Fig. 8). Mount the full-bag indicator rod against the bagger cover using two clips, 1/4 x 3/4" (19 mm) screws, and 1/4" locknuts (Fig. 10).
2. Screw the jam nut completely onto the indicator rod (Fig. 8). Then screw the handle (Fig. 8) close to the jam nut so you can read the decal from the operator's position. Tighten the jam nut up against the handle to lock it in place.

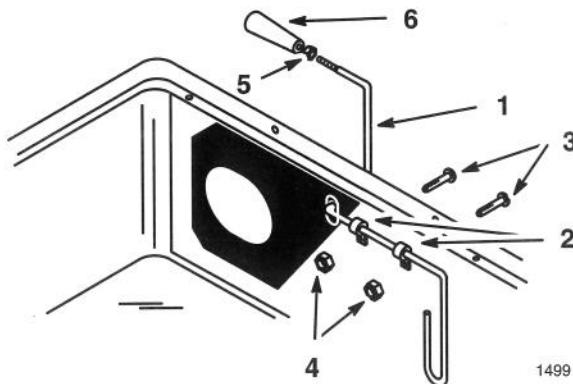


Figure 10

1. Indicator rod	4. Locknut 1/4"
2. Clips	5. Jam nut
3. Screw 1/4 x 3/4" (19 mm)	6. Handle

3. Assembly the frame assembly to the bagger cover with (2) 1/4" locknuts (Fig. 11).

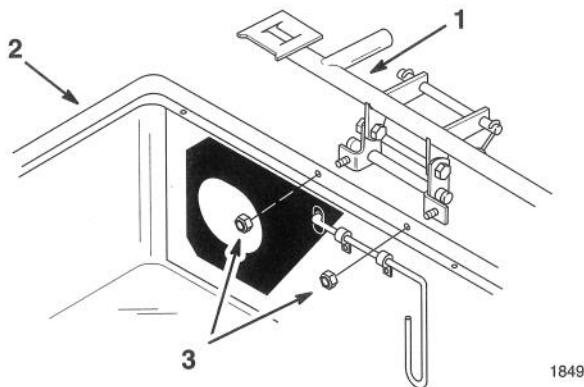


Figure 11

1. Frame assembly	3. Locknut 1/4"
2. Bagger cover	

Assemble the Tube Latch and Knob

1. Attach the rubber latch to the outside of the blower housing with the flanged spacer and barbed fastener (Fig. 12).

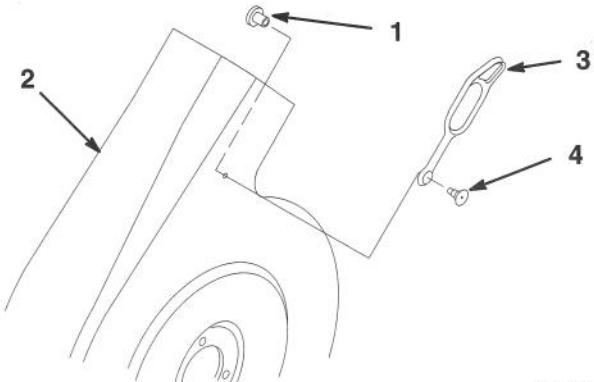


Figure 12

1. Flanged spacer	3. Rubber latch
2. Blower housing	4. Barbed fastener

2. Cut 6" (152 mm) off the bottom of the discharge tube (Fig. 13).

3. Attach the knob to the end hole in the discharge tube and secure with a washer and 1/4 x 3/4" (19 mm) screw (Fig. 13).

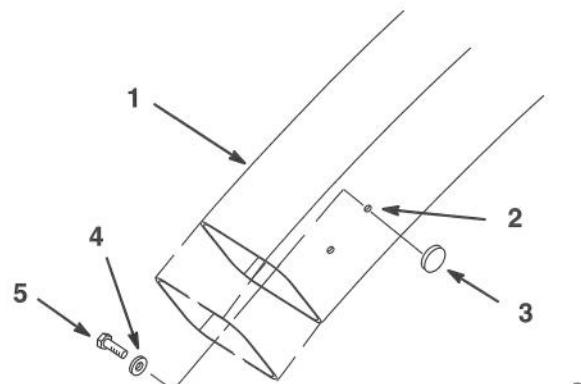


Figure 13

1. Discharge tube	4. Washer
2. Tube end hole	5. Screw 1/4 x 3/4" (19 mm)
3. Knob	

Install the Blower Belt

1. Install the blower by lowering the pivot pin into the pivot support (Fig. 14).

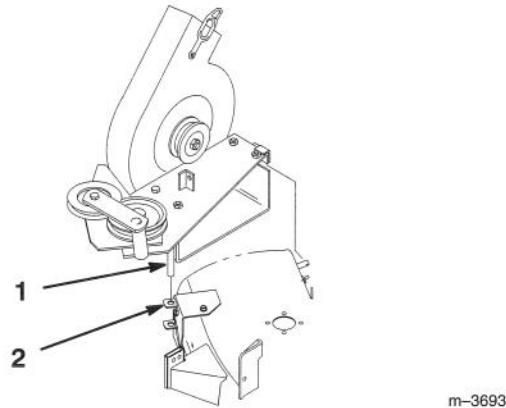


Figure 14

1. Pivot pin
2. Pivot support

2. Open latch and swing the blower out away from the mower, install the blower belt around idler and blower pulleys as shown (Fig. 15).

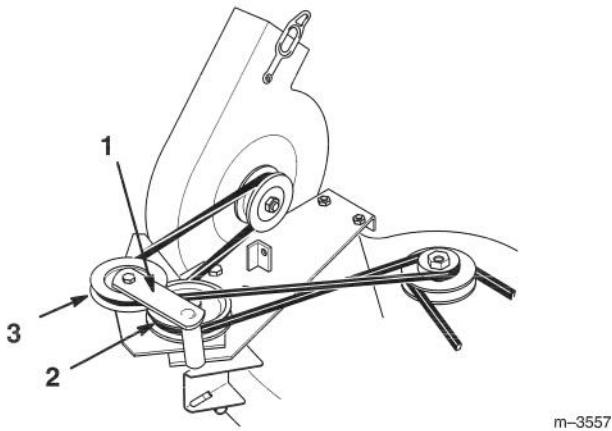


Figure 15

1. Idler pulley bracket and pulley
2. Top side of belt against bottom pulley
3. V-side of belt into top pulley

- With the belt installed, swing the blower toward the mower until the blower latch locks over pin at the back of the mower (Fig. 16).

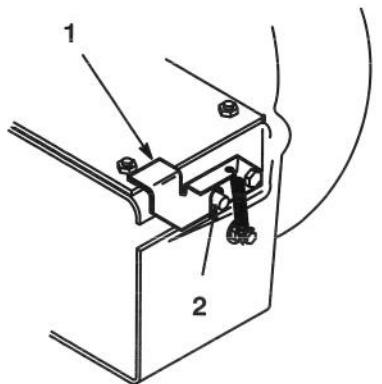


Figure 16

1. Blower latch
2. Pin

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Install the Belt Covers

1. Attach the belt cover bracket to the mower deck with (2) 1/4 x 3/8" (10 mm) screws (Fig. 17).
2. Attach the front of the mower belt cover loosely to the belt cover bracket with (2) 1/4 x 1/2" (13 mm) screws. Attach the back of the mower belt cover loosely to the mower deck with a 1/4 x 3/8" (10 mm) screw (Fig. 17).

Note: Do not tighten the screws as adjustment must be made later.

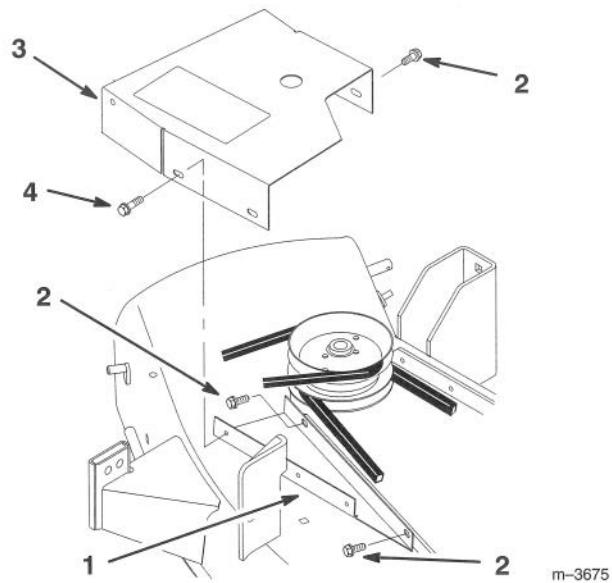


Figure 17

1. Belt cover bracket	3. Mower belt cover
2. Screw 1/4 x 3/8" (10 mm)	4. Screw 1/4 x 1/2" (13 mm)

3. Mount the blower belt cover using (2) 1/4 x 5/8" 16 mm bolts and (2) 1/4" locknuts (Fig. 18). Tighten the locknuts slightly so light drag is felt on the belt cover when it is tilted upward. The cover must close freely when assembled.
4. Adjust the mower belt cover by sliding it so the blower belt cover just touches the blower, but still opens freely. Tighten the mower belt cover mounting screws.

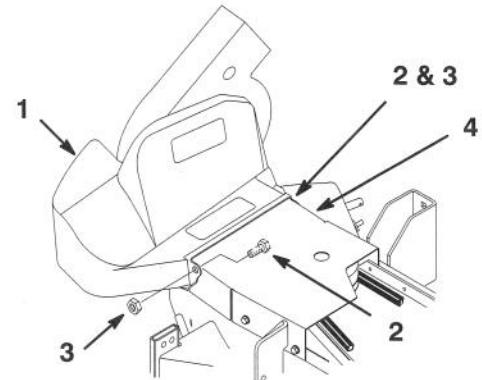


Figure 18

1. Blower belt cover	3. Locknut 1/4"
2. Bolt 1/4 x 5/8" (16 mm)	4. Mower belt cover

Install the Bagger

1. Seat the rod ends of the quick-attach bracket down into the two grooves in the bagger hitch, with the two feet of the bracket resting on the tractor hitch. Secure the bracket to the hitch with (2) hairpin cotters (Fig. 19).

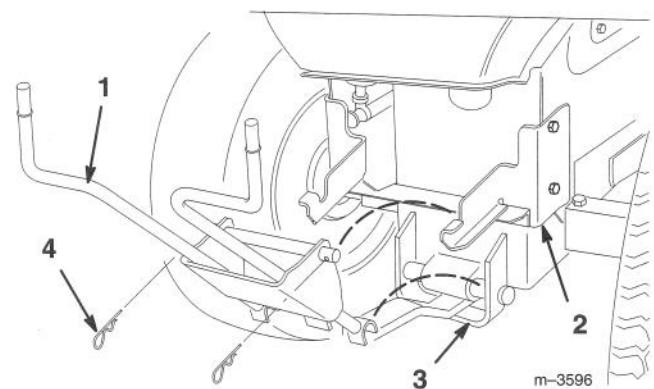
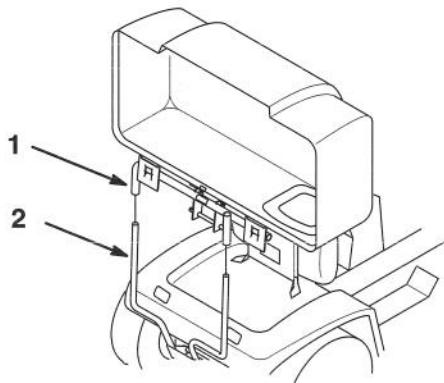


Figure 19

1. Quick-attach bracket	3. Tractor hitch
2. Bagger hitch	4. Hairpin cotter

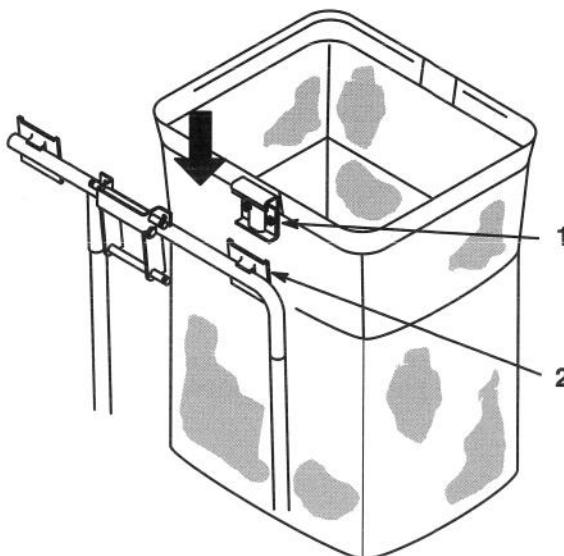
2. Tip the tractor seat forward.
3. Carefully lift the bagger top and slide it onto the quick-attach bracket (Fig. 20). The bagger top is easier to install if two people work together.



m-1845

Figure 20

1. Bagger top 2. Quick-attach bracket



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Figure 21

1. Bag frame hook 2. Retaining bracket

POTENTIAL HAZARD

- The hinge frame on the bagger top is spring-loaded.

WHAT CAN HAPPEN

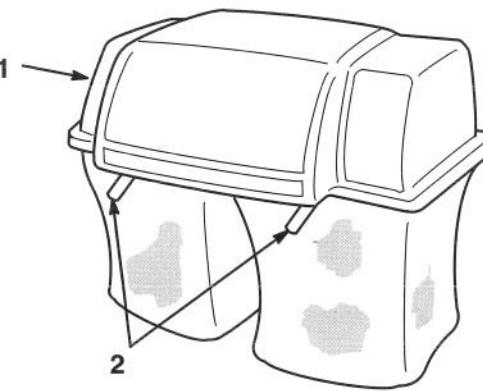
- If you remove the bagger top when it is closed (in the down position), the top may suddenly fly open and you or someone else may be bruised, pinched, or injured in another way.

HOW TO AVOID THE HAZARD

- Always open (raise) the bagger top before you remove or install it on the quick-attach bracket.

4. Install the bags by sliding the bag frame hooks onto the retaining brackets (Fig. 21).

5. Lower the bagger top onto the bags. Then push down on both bag retainer handles until they lock on the bag frame (Fig. 22).



1376

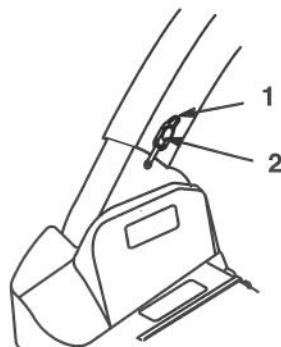
Figure 22

1. Bagger top 2. Bag retainer handles

6. Move the tractor seat to its normal position.

Mount the Discharge Tube

1. Insert the upper end of the discharge tube into the bagger top. Slide the lower end of the discharge tube over the blower discharge opening (Fig. 23).
2. Hook the rubber latch onto the knob (Fig. 23).



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Figure 23

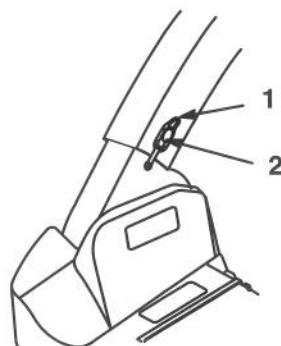
1. Rubber latch

2. Knob

Removing the Bagger

Remove the Discharge Tube

1. Unhook the rubber latch from the knob (Fig. 24).
2. Slide the lower end of the discharge tube off the blower discharge opening (Fig. 24). Pull the upper end of the discharge tube out of the bagger top.



1847

Figure 24

1. Rubber latch

2. Knob

Remove the Bagger

1. Tip the tractor seat forward.
2. Raise the bagger top and remove the grass bags from the bag frame (Fig. 25).

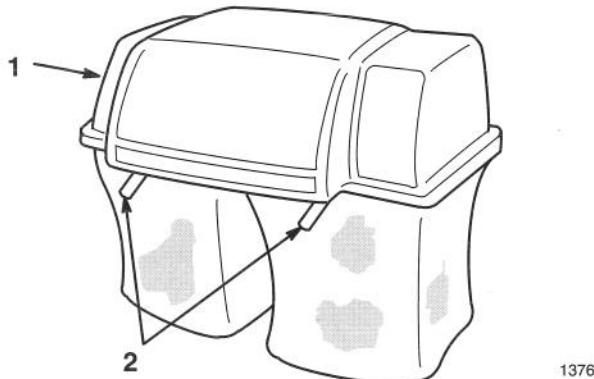


Figure 25

3. Carefully lift the bagger top and slide off the quick-attach bracket (Fig. 26). The bagger top is easier to remove if two people work together.

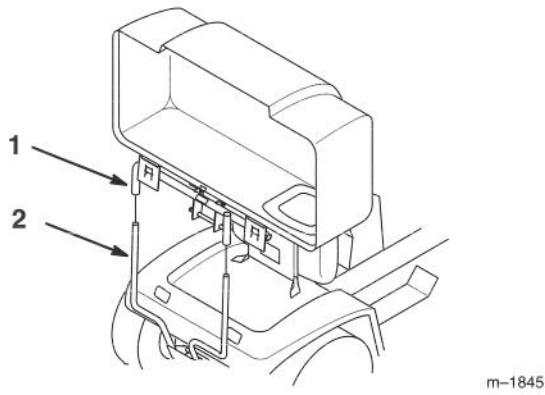


Figure 26

1. Bagger top
2. Quick-attach bracket

CAUTION

POTENTIAL HAZARD

- The hinge frame on the bagger top is spring-loaded.

WHAT CAN HAPPEN

- If you remove the bagger top when it is closed (in the down position), the top may suddenly fly open and you or someone else may be bruised, pinched, or injured in another way.

HOW TO AVOID THE HAZARD

- Always open (raise) the bagger top before you remove or install it on the quick-attach bracket.

4. Remove the hairpin cotters from the holes at the bottom of the quick-attach bracket (Fig. 27).
5. Lift the quick-attach bracket from the hitch (Fig. 27).

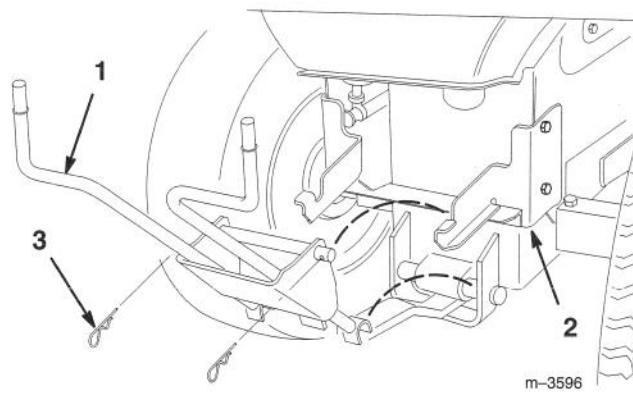


Figure 27

1. Quick-attach bracket
2. Bagger hitch
3. Hairpin cotter

6. Move the tractor seat to its normal position.

Remove the Belt Covers

1. Remove the blower belt cover by removing (2) 1/4" locknuts and 1/4 x 5/8" (16 mm) bolts (Fig. 28).

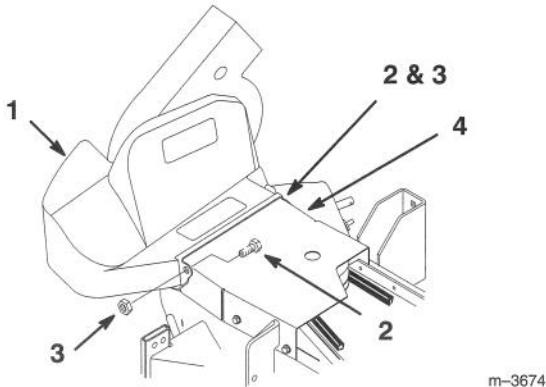


Figure 28

1. Blower belt cover	3. Locknut 1/4"
2. Bolt 1/4 x 5/8" (16 mm)	4. Mower belt cover

2. Remove the mower belt cover and belt cover bracket from the right side pulley (Fig 29).

Note: Save all parts and hardware for use when installing blower.

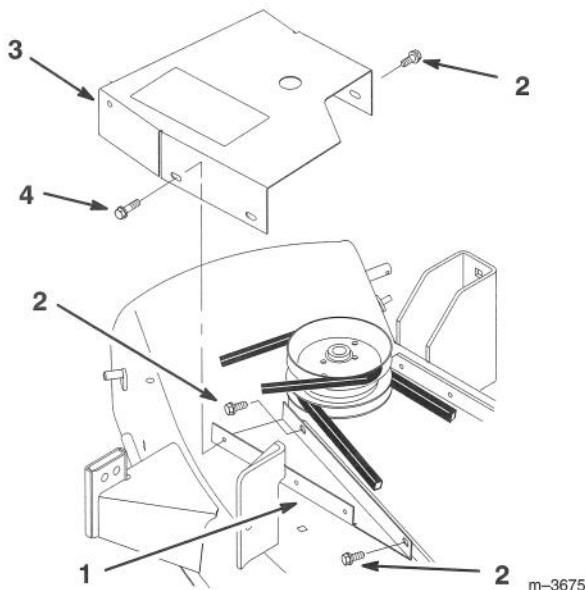


Figure 29

1. Belt cover bracket	3. Mower belt cover
2. Screw 1/4 x 3/8" (10 mm)	4. Screw 1/4 x 1/2" (13 mm)

Remove the Blower from the Mower

1. Open latch and swing the blower out away from the mower, remove the blower belt from idler and blower pulleys (Fig. 30).

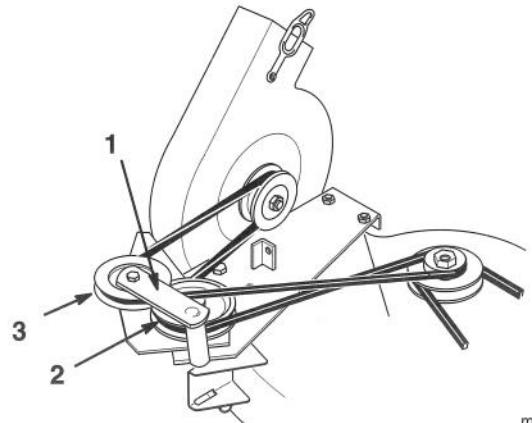


Figure 30

1. Idler pulley bracket and pulley	3. V-side of belt into top pulley
2. Top side of belt against bottom pulley	

2. Remove the blower by lifting the pivot pin out of the pivot support (Fig. 31).

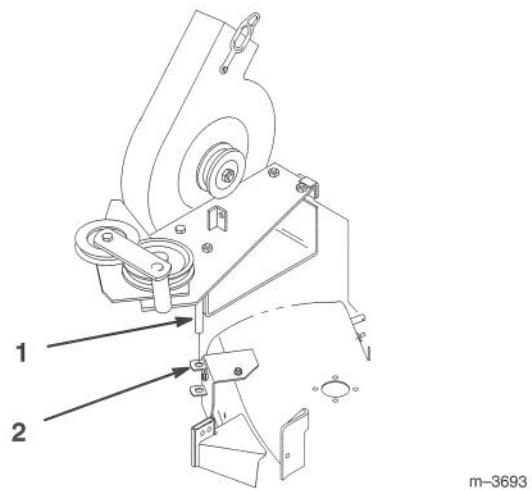


Figure 31

1. Pivot pin	2. Pivot support
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Remove the Blower Pulley from the Mower

1. Remove the mower from the tractor; refer to Mower Operator's Manual.
2. Remove the blower pulley. Block the blade with a piece of wood or some other device to stop it from turning while you remove the pulley.
3. Thread the spindle pulley nut onto the spindle shaft in place of the pulley (Fig. 7). Torque the nut to 70 ft-lbs (95 N.m).
4. Install the belt cover using existing hardware (Fig. 32).

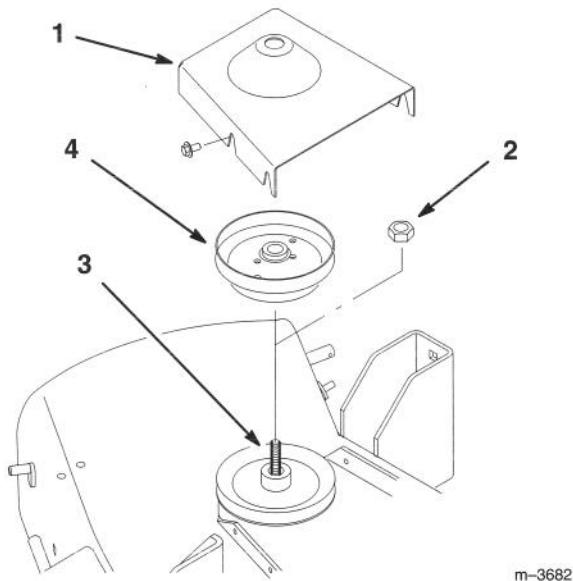


Figure 32

1. Belt cover	3. Spindle shaft
2. Nut	4. Blower pulley

Removing the Vac Bagger from the Tractor

Remove the Blower Pivot Support

1. Remove the pivot support and pivot bracket from the mower (Fig. 33).

Note: Save all parts and hardware for use when installing blower.

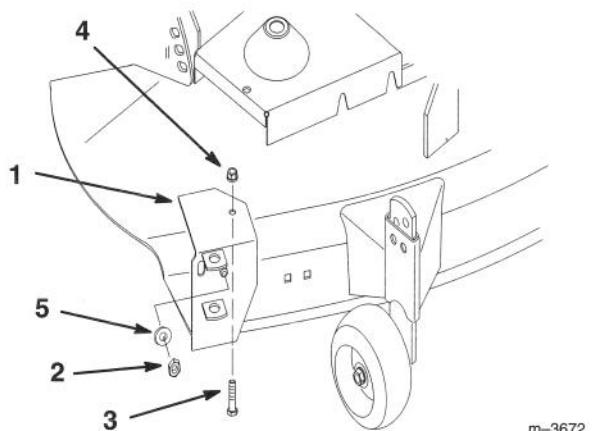


Figure 33

1. Pivot support	4. Flange nut 5/16"
2. Jam nut 3/8"	5. Washer 3/8"
3. Bolt 5/16 x 3/4" (19 mm)	

Remove the Mower Deck Counterweight

1. Remove the counterweight from the left-hand side of the mower (Fig. 34).

Note: Save all parts and hardware for use when installing blower.

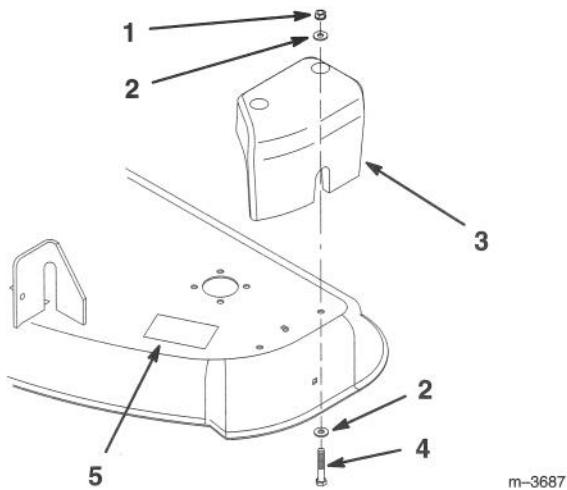


Figure 34

1. Locknut 3/8"	3. Counterweight
2. Flat washer 3/8" (10 mm)	4. Bolt 3/8 x 2 1/4 (57 mm)

Install the Recycling Baffles

If you have a recycling mower deck, you must install the recycling baffles to use the mower as a Recycler®.

1. Thoroughly clean the mower.
2. Remove the locknut and bolt from the mower (Fig. 35). Slide the baffle into the discharge opening and into the mower so the pin goes through the baffle.
3. Secure with previously removed 5/16–5/8" (16 mm) bolts and 5/16" locknuts (Fig. 35).

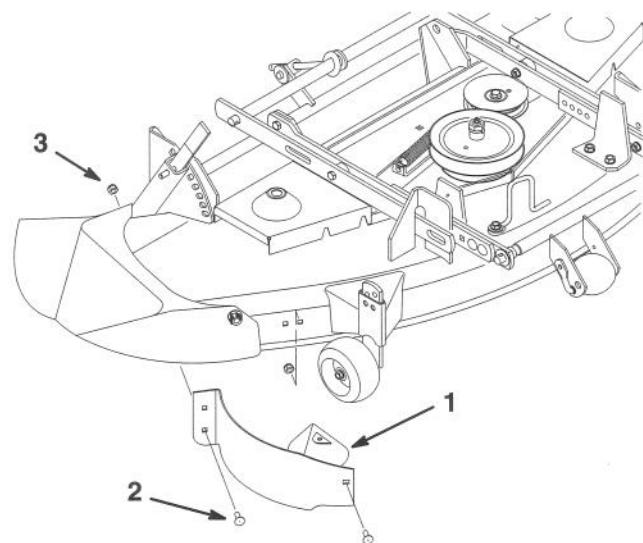


Figure 35

1. Baffle right side	3. Locknut 5/16"
2. Bolt 5/16 x 5/8" (16 mm)	

Install the Discharge Chute

1. Locate the items shown (Fig. 36).
2. Place the short end of the spring into the small hole in the discharge chute.
3. Position the spring and discharge chute over the post on the rear of the deck and secure them with a 1/2" (13 mm) washer and a 3/4" (19 mm) cotter pin (Fig. 36).
4. Make sure the loop in the spring slides over the stud on the mower housing.
5. Slide the rubber bushing and nylon washer over the stud at the front of the mower.
6. Place the discharge chute over the stud and secure it with a second nylon washer and 3/8" jam nut (Fig. 36). The jam nut must be tightened flush with the end of the stud.

IMPORTANT: The discharge chute must be spring loaded in the down position. Lift the chute up to test that it snaps to the full down position.

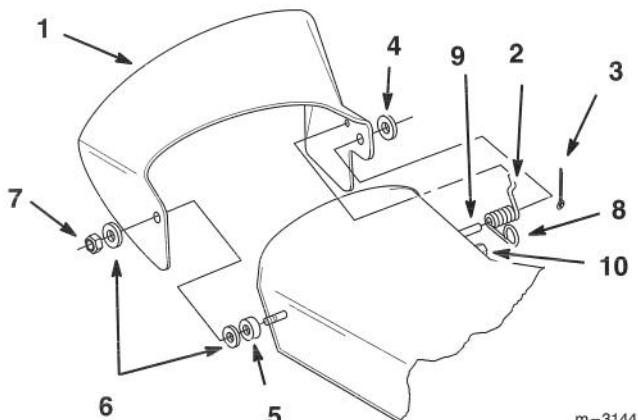


Figure 36

1. Discharge chute	6. Plastic washer
2. Spring	7. Jam nut 3/8"
3. Cotter pin 3/4" (19 mm)	8. Loop in spring
4. Washer 1/2" (13 mm)	9. Post on mower housing
5. Rubber bushing	10. Stud on mower housing

DANGER

POTENTIAL HAZARD

- Without the grass deflector, mulch baffle, or complete grass catcher assembly mounted in place, you and others are exposed to blade contact and thrown debris.

WHAT CAN HAPPEN

- Contact with rotating mower blade(s) and thrown debris will cause injury or death.

HOW TO AVOID THE HAZARD

- NEVER remove the grass deflector from the mower because the grass deflector routes material down toward the turf. If the grass deflector is ever damaged, replace it immediately. Never put your hands or feet under the mower.
- Never try to clear the discharge area or mower blades unless you move the power take off (PTO) to "OFF" and turn the ignition key to "STOP." Also remove the key and pull the wire off the spark plug(s).

7. Install mower onto tractor. Refer to Mower Operator's Manual.

Operation

⚠ CAUTION

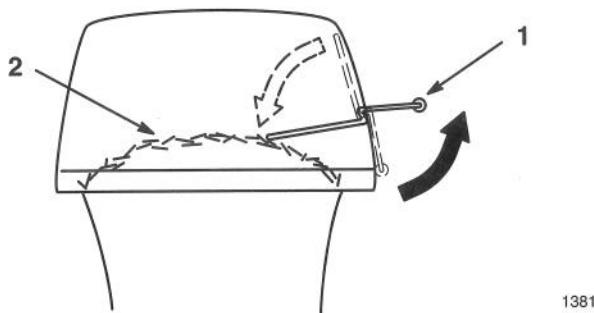
To Avoid Personal Injury:

- Become familiar with all operating and safety instructions in the operator's manual for your tractor and mower before using this attachment.
- Never remove the discharge tube, bags, bagger top, or the blower while the engine is running.
- Always shut the engine off before clearing an obstruction from the vac bagging system.
- Never do maintenance or repairs while the engine is running.

Using the Full Bag Tester

As grass is cut and blown into the bags, the left bag fills first, then the right bag. If you overfill the bags, grass will eventually plug the discharge tube or elbow.

1. Stop the tractor and apply the brake.
2. To check if both bags are full, periodically raise the full bag tester handle (Fig. 37). If you feel resistance as you raise the handle, the bags must be emptied because they are full (Fig. 37).



1381

Figure 37

1 Full bag tester handle

2 Bag full

Emptying the Grass Bags

Grass bags can weigh up to 90 lb (41kg) when full. Be careful when lifting or handling a grass bag that is full. To empty the grass bags:

1. Stop the tractor, set the parking brake, lower the attachment lift, disengage the power take off (PTO), and turn the ignition key to "STOP" to stop the engine. Remove the key.
2. Tip the tractor seat forward.
3. Pull up on both bag retainer handles until they unlock from the bag frame (Fig. 22). Now open (raise) the bagger top.
4. Compress debris into the bags. With both hands, lift up on the bag and unhook it from the retaining bracket (Fig. 21). Empty the bag. Repeat for the other bag.
5. Install the bags by sliding the bag frame hooks onto the retaining brackets (Fig. 21).
6. Lower the bagger top onto the bags. Then push down on both bag retainer handles until they lock on the bag frame (Fig. 22).
7. Move the tractor seat to its normal position.

Clearing Obstructions from the Bagger

1. Stop the tractor, set the parking brake, lower the attachment lift, and turn the ignition key to "STOP" to stop the engine. Remove the key.
2. Check the grass bags and empty them if they are full.
3. Remove and separate the discharge tube and blower from the bagger top and mower. Using a stick or similar object, carefully remove and clear the obstruction from the mower, discharge tube, blower, and the bagger top.
4. After you remove the obstruction, install the complete bagger system and resume operation.

Operating and Bagging Tips

Size

Remember that the tractor is longer and wider with this attachment installed. By turning too sharply in confined places you may damage the attachment.

Trimming

Always trim with the left side of the mower. Do not trim with the right side of the mower because you could damage the bagger's blower and discharge tube.

Cutting Height

Do not set the mower cutting height too low because long grass surrounding the mower can prevent air from getting under the mower and entering the bagging system. If enough air doesn't get under the mower, the bagging system will plug.

Cutting Frequency

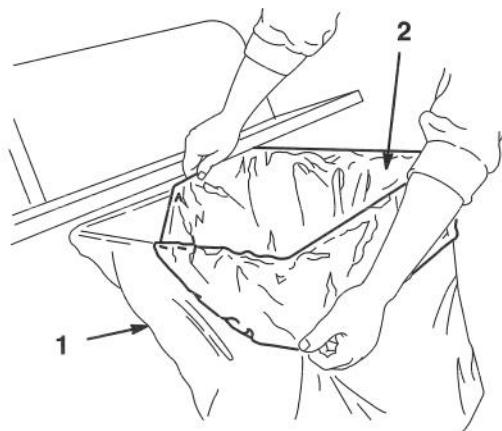
Cut the grass often, especially when it grows rapidly. You will have to cut your grass twice if it gets excessively long (refer to Bagging Long Grass, page 21).

Cutting Technique

For best lawn appearance, be sure to slightly overlap the mower into the previously cut area. This helps reduce the load on the engine and reduces the chance of plugging the blower and discharge tube.

Using Bags

Although not required, bags may be inserted into each cloth grass bag as a liner to collect clippings and make disposal more convenient (Fig. 38). If you use a bag liner, remove the filled grass bag and close the top of the liner. Then pull the liner out the grass bag or turn the bag upside down while holding the handle on the bottom of the grass bag (allows liner to slide out).



1378

Figure 38

1 Cloth grass bag

2 Bag (liner)

Bagging Speed

Most often you will bag with the tractor throttle in the FAST position and drive at a normal ground speed. However, in extremely dry and dusty grass, you may want to slightly reduce throttle speed and increase ground speed of the tractor. The bagging system may plug if you drive too fast and the engine speed gets too slow. On hills it may be necessary to slow the tractor's ground speed. This helps maintain engine speed and bagging efficiency. Mow down hill whenever possible.

⚠ CAUTION**POTENTIAL HAZARD**

- As the grass bags fill, extra weight is added to the back of the tractor.

WHAT CAN HAPPEN

- If you stop and start suddenly on hills, you may lose steering control or the tractor may tip.

HOW TO AVOID THE HAZARD

- Do not start or stop suddenly when going uphill or downhill. Avoid uphill starts.
- If you do stop the tractor when going uphill, disengage the PTO (stop the mower blades) by pushing the PTO control to OFF. Then back down the hill using slow reverse speed.
- Do not change speeds or stop on slopes.

Bagging Long Grass

Excessively long grass is heavy and may not be propelled completely into the grass bags. If this happens, the discharge tube and blower may plug. To avoid plugging the bagging system, mow the grass at a high height-of-cut, then lower the mower to your normal cutting height and repeat the bagging process.

Bagging Wet Grass

Always try to cut grass when it is dry because your lawn will have a neat appearance. If you must cut wet grass, use the conventional side discharge feature of the mower. Several hours later, when the clippings are dry, install the complete bagger attachment and vacuum up the grass clippings.

Signs of Plugging

As you are bagging, a small amount of grass clippings normally blow out the front of the mower. An excessive amount of clipping blow-out indicates that the bags are full or the system is plugged.

Maintenance

Inspecting the Bagger Attachment

Inspect the bagger attachment after the first ten hours of operation, and monthly thereafter.

1. Check the blower, discharge tube and the bagger top. Replace these parts if they are cracked or broken.
2. Tighten all nuts bolts and screws.
3. Inspect the grass bags for deterioration.

DANGER

POTENTIAL HAZARD

- The grass bag material may tear, wear, and eventually deteriorate.

WHAT CAN HAPPEN

- You or bystanders could be severely injured by flying debris or thrown objects that may pass through worn or deteriorated grass bags.

HOW TO AVOID THE HAZARD

- Frequently check the grass bags for holes, rips, wear, and other deterioration. Do not wash the grass bags. If the bag has deteriorated, install new grass bags supplied by the manufacturer of this bagger attachment.

Inspecting the Mower Blades

1. Inspect the mower blades regularly and whenever a blade strikes a foreign object.
2. If blades are badly worn or damaged, install new blades. Refer to your tractor or mower operator's manual for complete blade maintenance.

Caring for the Grass Bags

1. Washing the grass bags is not recommended.
2. To prevent rapid deterioration of bag material, store the bags so they dry completely after each use.

CAUTION

POTENTIAL HAZARD

- If you store grass clippings in the bagger attachment cloth grass bags, under the right conditions, spontaneous combustion (a fire-generating process that occurs without an external source of ignition) could occur.

WHAT CAN HAPPEN

- If a fire occurs, property could be damaged and/or someone could be injured.

HOW TO AVOID THE HAZARD

- The cloth grass bags are not storage containers. Never store grass clippings and debris in the grass bags.

Cleaning the Bagger Attachment

1. After each use, remove and wash the inside and outside of the bagger top, discharge tube, blower, and the underside of the mower, using water sprayed from a garden hose. Use a mild automotive detergent to remove stubborn dirt.
2. Make sure you remove matted grass from all parts.
3. After washing let all parts dry thoroughly. Do not wash the grass bags.

Storing the Bagger Attachment

1. Clean the bagger attachment (refer to Cleaning the Bagger Attachment, page 22).
2. Inspect the bagger attachment for damage (refer to Inspecting the Bagger Attachment, page 22).
3. Make sure the grass bags are empty and thoroughly dry.
4. Store the bagger in a clean, dry place, out of direct sunlight. This protects the plastic parts and extends the life of the bagger. If you must store the bagger outside, cover it with a weatherproof cover.

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