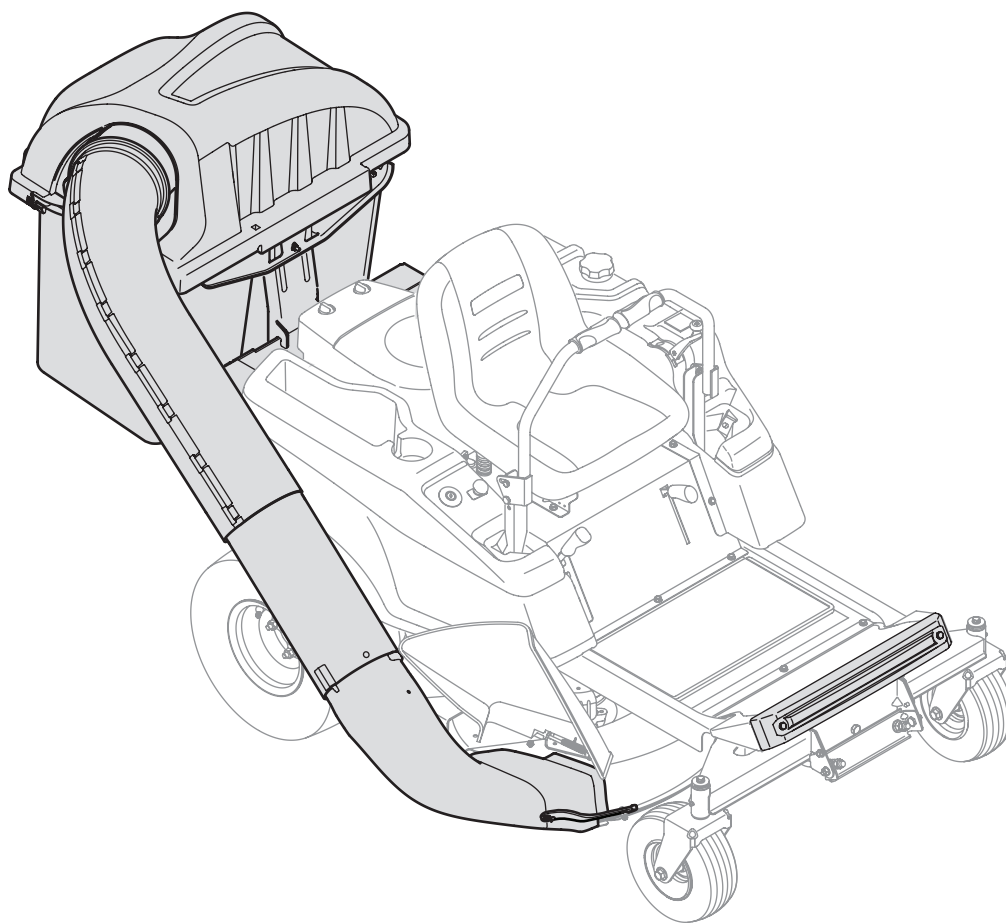

OPERATOR'S MANUAL



Twin Rear Bagger - Model No. 19A70005OEM

⚠ WARNING

**READ AND FOLLOW ALL SAFETY RULES AND INSTRUCTIONS IN THIS MANUAL
BEFORE ATTEMPTING TO OPERATE THIS MACHINE.
FAILURE TO COMPLY WITH THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY.**

MTD LLC, P.O. BOX 361131 CLEVELAND, OHIO 44136-0019

Thank You

Thank you for purchasing a bagging attachment manufactured by MTD LLC. It was carefully engineered to provide excellent performance when properly operated and maintained.

Please read this entire manual prior to operating the equipment. It instructs you how to safely and easily set up, operate and maintain this attachment. Please be sure that you, and any other persons who will operate the machine, carefully follow the recommended safety practices at all times. Failure to do so could result in personal injury or property damage.

All information in this manual is relative to the most recent product information available at the time of printing. Review this manual frequently to familiarize yourself with the attachment, its features and operation. Please be aware that this Operator's Manual may cover a range of product specifications for various models. Characteristics and features discussed and/or illustrated in this manual may not be applicable to all models. MTD LLC reserves the right to change product specifications, designs and equipment without notice and without incurring obligation.

If you have any problems or questions concerning this attachment, phone your local authorized MTD service dealer or contact us directly. MTD's Customer Support telephone numbers, website address and mailing address can be found on this page. We want to ensure your complete satisfaction at all times.

Throughout this manual, all references to *right* and *left* side of the machine are observed from the operating position

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<i>Safe Operation Practices</i>	<i>3</i>	<i>Operation.....</i>	<i>14</i>
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Record Product Information

Before setting up and operating your new equipment, please locate the model plate on the equipment and record the information in the provided area to the right. You can locate the model plate by looking at the topside of the bagger cover. This information will be necessary, should you seek technical support via our web site, Customer Support Department, or with a local authorized service dealer.

MODEL NUMBER

--	--	--	--	--	--	--	--	--	--	--

SERIAL NUMBER

--	--	--	--	--	--	--	--	--	--	--

Customer Support

Please do NOT return the machine to the retailer or dealer without first contacting our Customer Support Department.

If you have difficulty assembling this product or have any questions regarding the controls, operation, or maintenance of this machine, you can seek help from the experts. Choose from the options below:

- ◇ Visit us on the web at www.mtdproducts.com
- ◇ Call a Customer Support Representative at (800) 800-7310 or (330) 220-4683
- ◇ Write us at MTD LLC • P.O. Box 361131 • Cleveland, OH • 44136-0019



WARNING! This symbol points out important safety instructions which, if not followed, could endanger the personal safety and/or property of yourself and others. Read and follow all instructions in this manual before attempting to operate this machine. Failure to comply with these instructions may result in personal injury.

When you see this symbol. **HEED ITS WARNING!**



DANGER! This attachment was built to be used according to the safe operation practices in this manual. Carelessness or error on the part of the operator can result in serious injury. Mowers are capable of amputating hands and feet and throwing objects. Failure to observe the following safety instructions as well as the instructions provided with your mower, could result in serious injury or death.

General Operation

1. Read, understand, and follow all instructions on your equipment and in their manuals before attempting to assemble and operate. Keep this manual in a safe place for future and regular reference and for ordering replacement parts.
2. To help avoid blade contact or a thrown object injury, keep bystanders, helpers, children and pets at least 75 feet from the mower while it is in operation. Stop machine if anyone enters the area.
3. Thoroughly inspect the area where the equipment is to be used. Remove all stones, sticks, wire, bones, toys, and other foreign objects which could be picked up and thrown by the blade(s). Thrown objects can cause serious personal injury.
4. Always wear safety glasses or safety goggles during operation and while performing an adjustment or repair to protect your eyes. Thrown objects which ricochet can cause serious injury to the eyes.
5. Do not operate the mower without the discharge cover or entire grass catcher in its proper place. A missing or damaged discharge cover or grass bag attachment component may result in thrown objects or blade contact injuries.
6. Do not put hands or feet near rotating parts or under the cutting deck. Contact with the blade(s) can amputate hands and feet.
7. Shut off mower's engine and wait for blades to come to a complete stop before unclogging mower's discharge opening or bagger parts.
8. Slow down before turning. Operate the machine smoothly. Avoid erratic operation and excessive speed. Be aware that a grass catcher attachment can affect the handling characteristics of your mower.
9. Disengage blade(s), set parking brake, stop engine and wait until the blade(s) come to a complete stop before opening bagger attachment's top cover, removing grass catcher, emptying grass, unclogging chute, removing any grass or debris, or making any adjustments.
10. Never leave a running machine unattended. Always turn off blade(s), place transmission in neutral, set parking brake, stop engine and remove key before dismounting.
11. Your machine is designed to cut normal residential grass of a height no more than 10". Do not attempt to mow through unusually tall, dry grass (e.g., pasture) or piles of dry leaves. Dry grass or leaves may contact the engine exhaust and/or build up on the mower deck presenting a potential fire hazard.
12. If situations occur which are not covered in this manual, use care and good judgment. Contact your customer service representative for assistance.

Slope Operation

Slopes are a major factor related to loss of control and tip-over accidents which can result in severe injury or death. Attachments can also affect the stability of the machine. All slopes require extra caution.

For your safety, use the slope gauge included as part of this manual to estimate the angle of slopes before operating this machine on a sloped or hilly area. If the slope is greater than 10 degrees as shown on the slope gauge, do not operate the mower with the grass bag attachment installed on that area or serious injury could result.

Do:

1. Mow up and down slopes, not across. Exercise extreme caution when changing direction on slopes.
2. Watch for holes, ruts, bumps, rocks, or other hidden objects. Uneven terrain could overturn the machine. Tall grass can hide obstacles.

3. Use slow speed. Choose a low enough speed setting so that you will not have to stop or shift while on the slope. Tires may lose traction on slopes even though the brakes are functioning properly. Always keep machine in gear when going down slopes to take advantage of engine braking action.
4. Follow the manufacturer's recommendations for wheel weights or counterweights to improve stability.
5. Keep all movement on the slopes slow and gradual. Do not make sudden changes in speed or direction. Rapid engagement or braking could cause the front of the machine to lift and rapidly flip over backwards which could cause serious injury.
6. Avoid starting or stopping on a slope. If tires lose traction, disengage the blade(s) and proceed slowly straight down the slope.

Do Not:

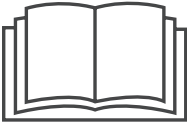
1. Do not turn on slopes unless necessary; then, turn slowly and gradually downhill, if possible.
2. Do not mow near drop-offs, ditches or embankments. The mower could suddenly turn over if a wheel is over the edge of a cliff, ditch, or if an edge caves in.
3. Do not try to stabilize the machine by putting your foot on the ground.
4. Do not use a grass catcher on steep slopes.
5. Do not mow on wet grass. Reduced traction could cause sliding.

General Service

1. Before cleaning, repairing, or inspecting, make certain the blade(s) and all moving parts have stopped. Disconnect the spark plug wire and ground against the engine to prevent unintended starting.
2. Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
3. Never tamper with your mower's safety interlock system or other safety devices. Check their proper operation regularly.
4. Never attempt to make adjustments or repairs while the mower's engine is running.
5. Grass catcher components and the discharge cover are subject to wear and damage which could expose moving parts or allow objects to be thrown. For safety protection, frequently check components and replace immediately with original equipment manufacturer's (O.E.M.) parts only, listed in this manual. Use of parts which do not meet the original equipment specifications may lead to improper performance and compromise safety!
6. Maintain or replace safety and instruction labels, as necessary.

Safety Symbols

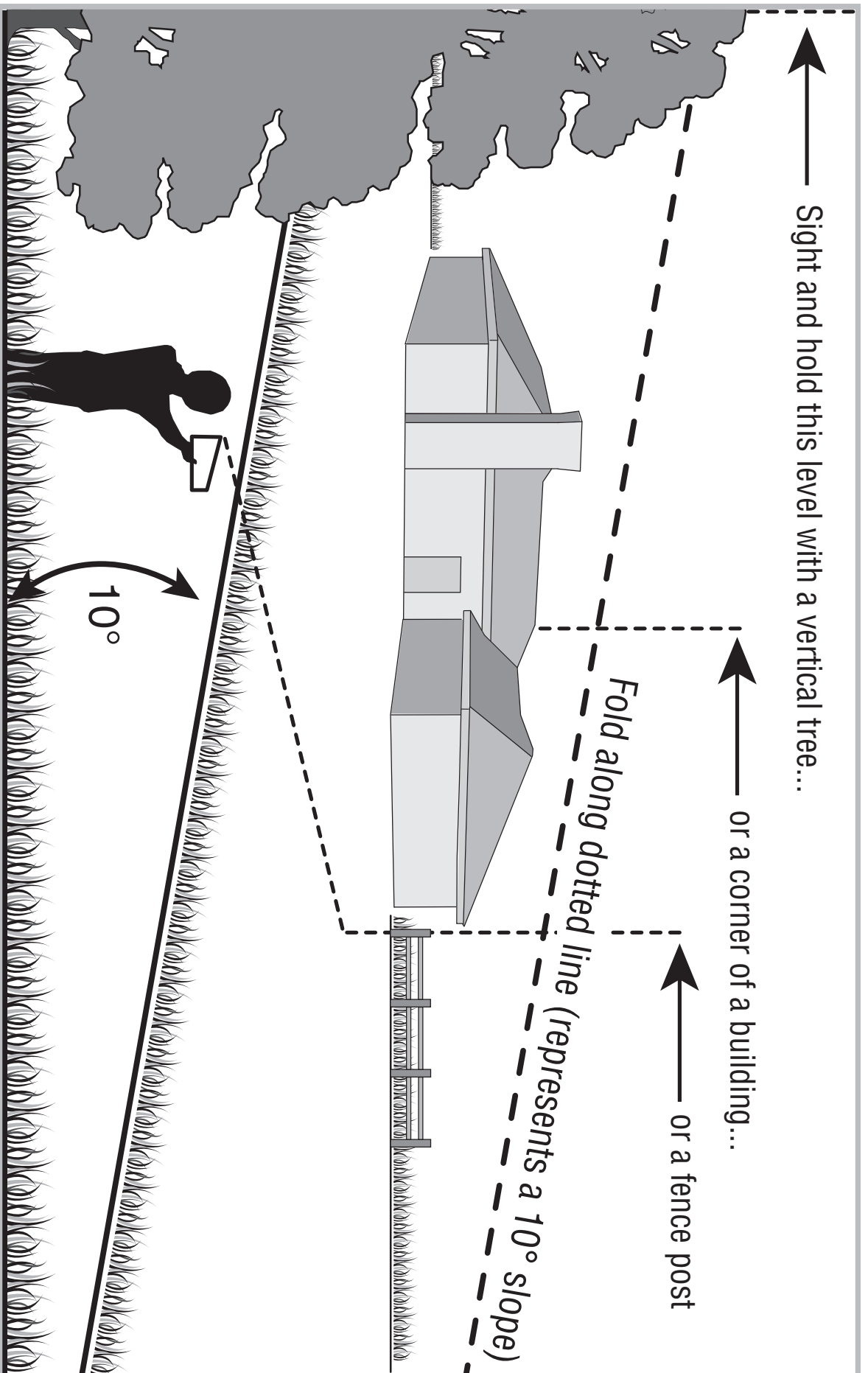
This table depicts and describes safety symbols that may appear on this product. Read, understand, and follow all instructions on the machine before attempting to assemble and operate.

Symbol	Description
	READ THE OPERATOR'S MANUAL(S) Read, understand, and follow all instructions in the manual(s) before attempting to assemble and operate
	STOP Turn off the engine before opening the bagger cover.



WARNING! Your Responsibility—Restrict the use of this power machine to persons who read, understand and follow the warnings and instructions in this manual and on the machine.

SAVE THESE INSTRUCTIONS!



Use this page as a guide to determine slopes where you may safely operate your mower with a grass bag attachment installed.



WARNING! Do not operate your lawn mower with a bagger attachment on inclines with a slope in excess of 10 degrees (a rise of approximately 1-¾ feet every 10 feet). A riding mower with a bagger attachment could overturn and cause serious injury. Operate riding mowers up and down slopes, never across the face of slopes.

Contents of Carton

3

Before beginning installation, remove all parts from the carton to make sure everything is present. Carton contents are listed below and shown in Fig. 3-1. Three hardware packs are included in this kit and are detailed on the following page.

- Hitch Bracket Kit (3 Pcs. & Hardware Pack)
- Chute Tube Extension
- Discharge Chute Elbow
- Grass Catcher Cover Screen
- Grass Catcher Cover
- Two Grass Bag Assemblies
- Upper Chute Tube
- Upper Chute Support
- Hinge Cover Pin
- Upright Support
- Bag Support Assembly
- Bagger Counter-Weight
- Two Hardware Packs (Detailed & illustrated on next page)

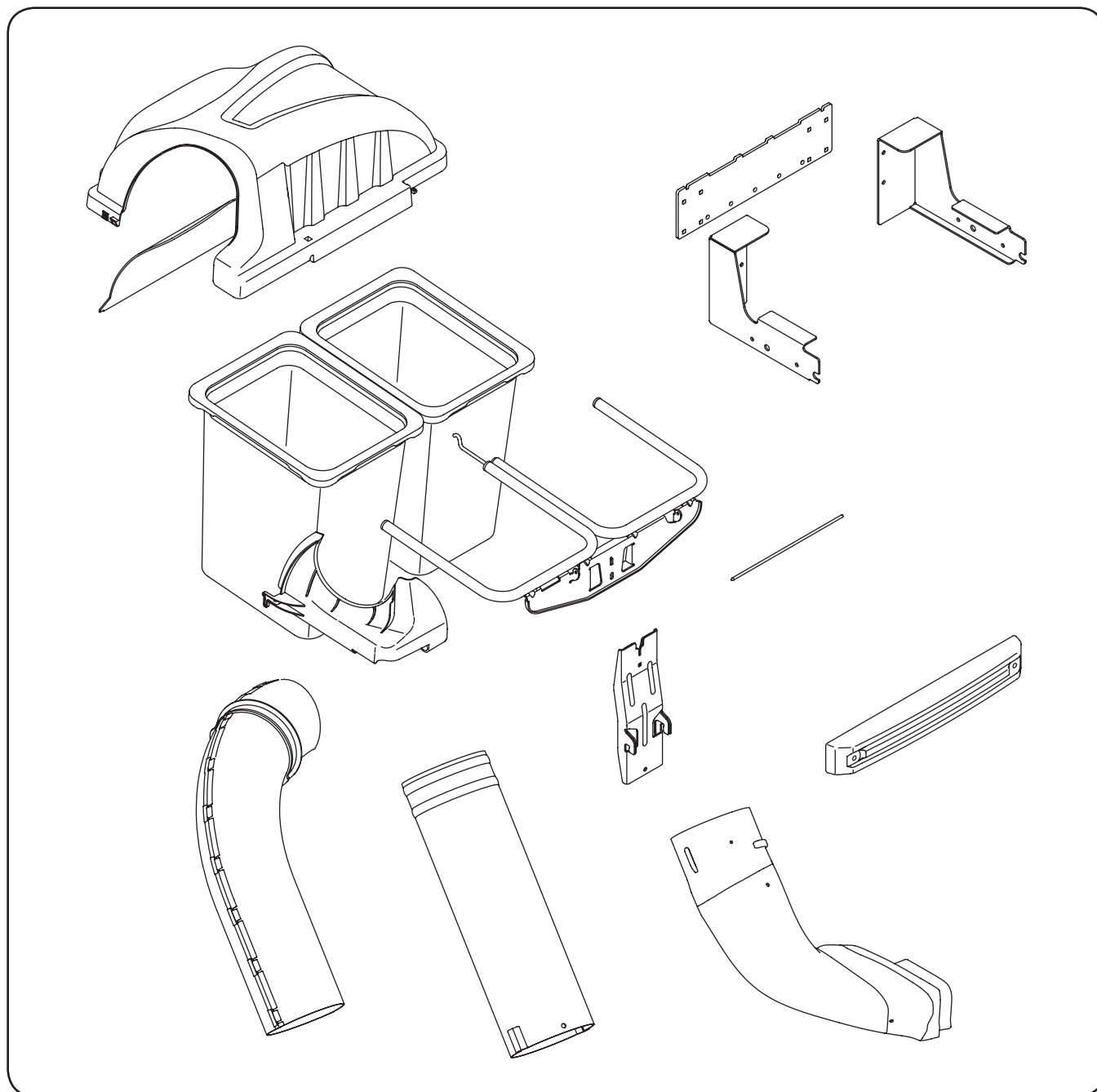
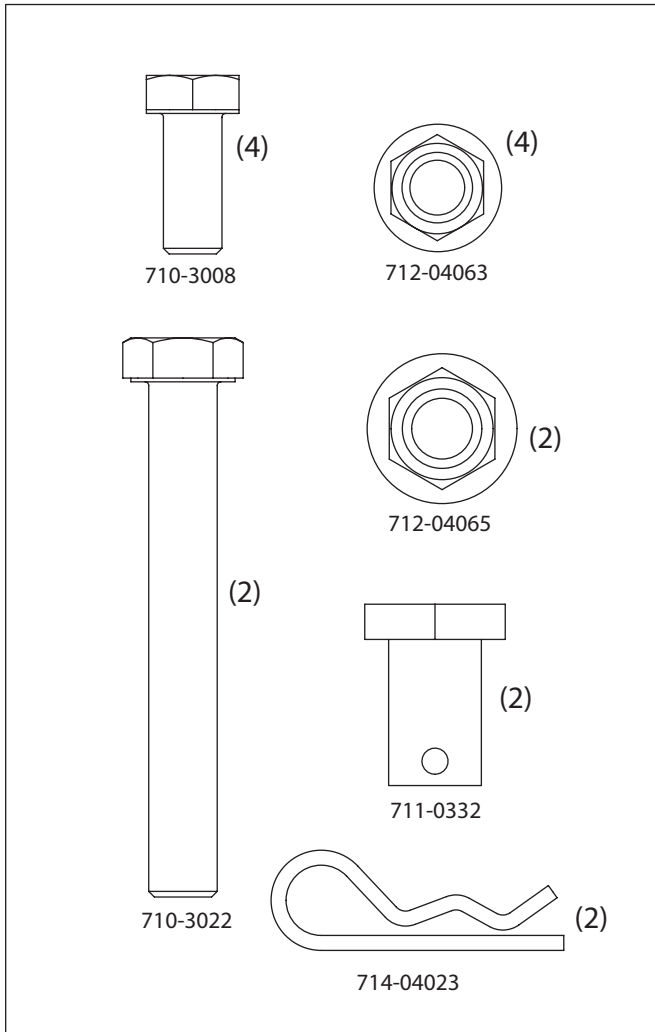


Figure 3-1

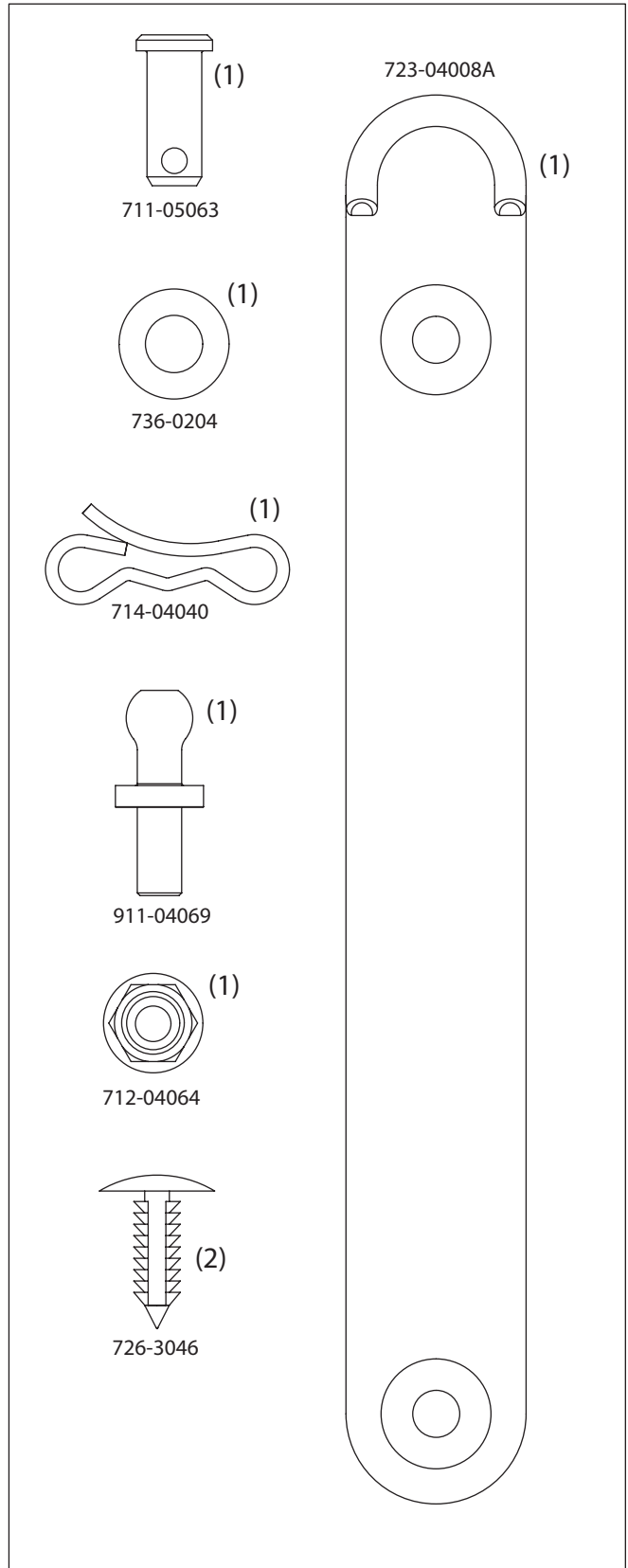
CONTENTS OF HARDWARE PACK

This grass collector kit is shipped with three loose hardware packs enclosed and one set of hardware included in the mounting bracket kit. Please check your hardware packs against the illustrations below. The quantities for each item is listed in parenthesis.

Hardware Pack 689-00095



Hardware Pack 689-00091



NOTE: References to left, right, front and rear of the tractor are from the operator's position, unless otherwise stated.

- Before assembly, place the tractor on a firm, level surface, disengage the PTO, stop the tractor engine and set the parking brake.
- For convenience, pivot the seat forward and leave it in that position until the grass collector is fully mounted and assembled.

Assemble Mounting Brackets

To assemble the bagger mounting assembly, locate the mounting assembly parts, as shown in Fig. 4-1, and follow these steps:

1. Attach the two hitch side brackets to the rear attachment bracket using four 710-3008 hex bolts and 712-04063 flange lock nuts from hardware pack 689-00095. See Fig. 4-1.

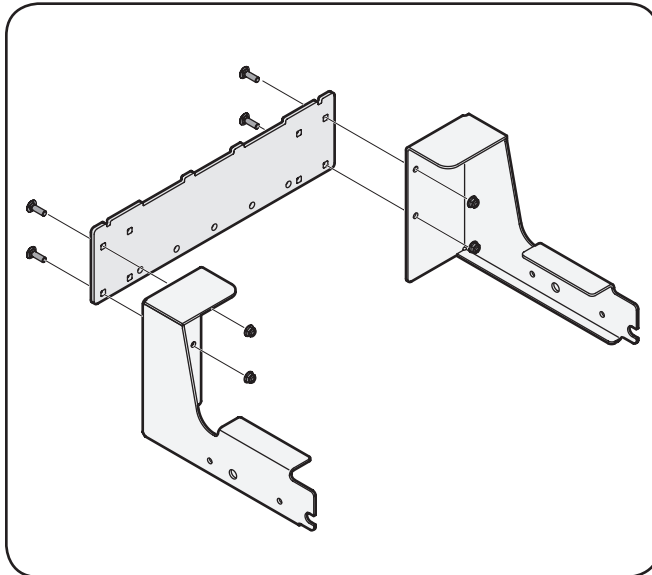


Figure 4-1

Assembling The Support Assembly

Locate the upright support bracket and the bag support assembly. Assemble it by following these steps:

1. Lay the bag support assembly topside down with the mounting bracket portion facing upwards.
2. Insert the notched end of the upright support bracket into the bag support assembly, as in Fig. 4-2, and secure with a 5/16-18 carriage bolt and 5/16-18 flange lock nut packed in with the upright support bracket, as seen in Fig. 4-3.

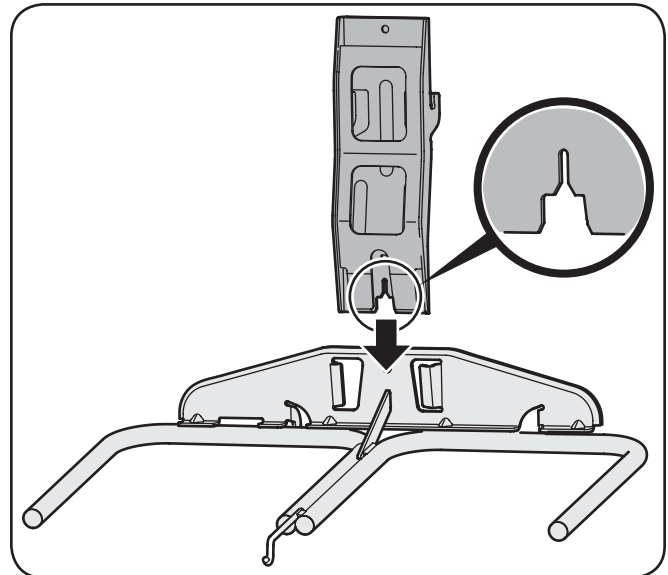


Figure 4-2

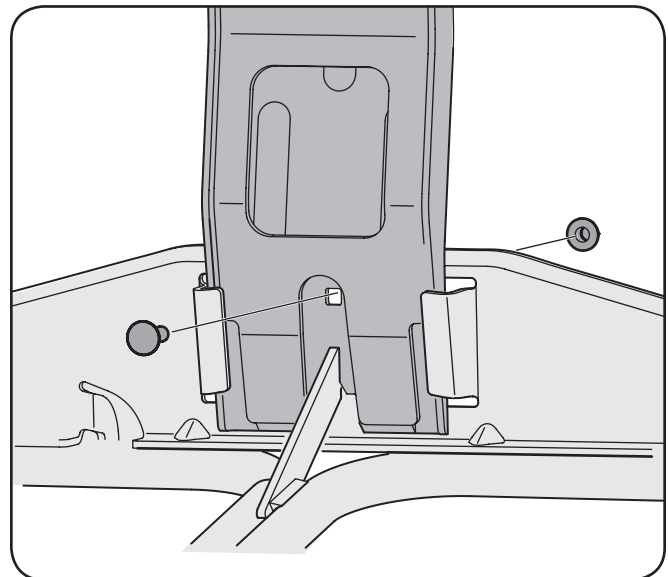


Figure 4-3

Mount Assembly on Tractor

Install mounting assembly on tractor as follows:

1. Slide the mounting bracket assembly along the frame rails of the tractor until the hooks in the mounting brackets align under the shoulder bolts on your tractor, as seen in Fig. 4-4.

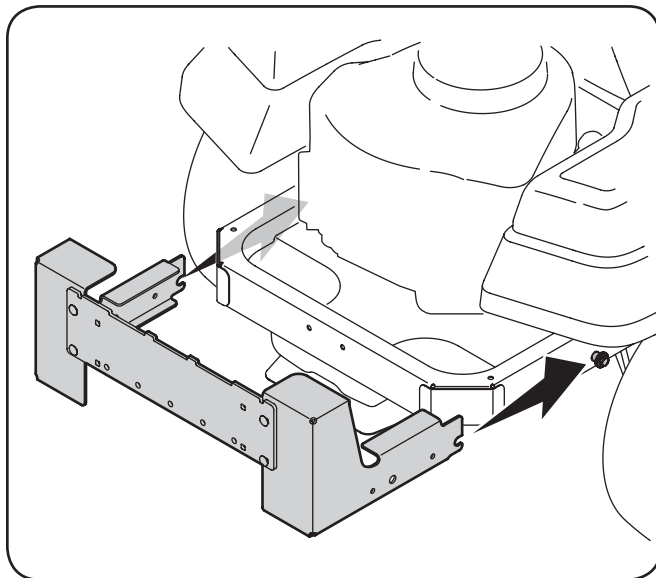


Figure 4-4

2. Secure the mounting bracket assembly to the tractor using two 711-0332 clevis pins and 714-04023 cotter pins from hardware pack 689-00095. See Fig. 4-5.

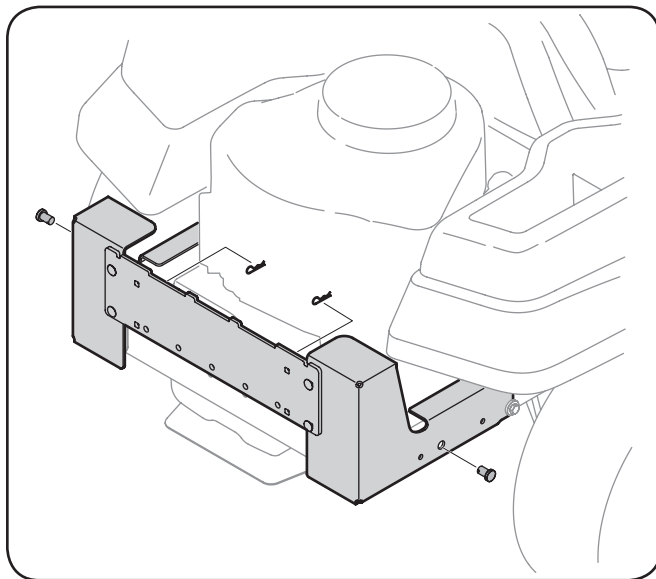


Figure 4-5

3. Install the bagger hanger assembly onto the mounting assembly on the tractor by hooking it over the hitch plate between the two tabs. See Fig. 4-6.

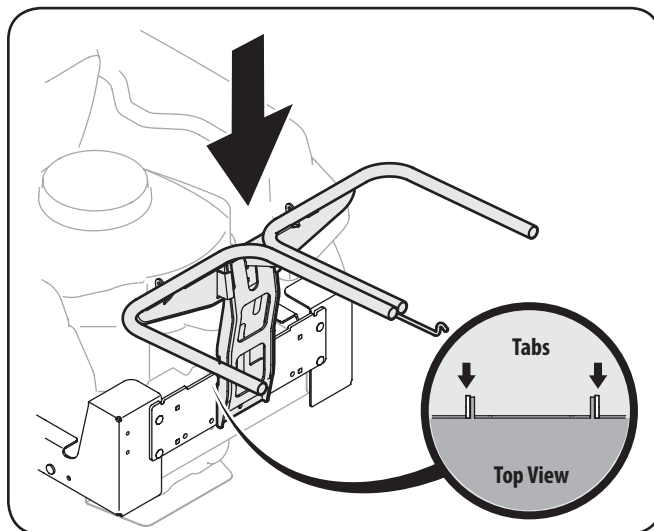


Figure 4-6

4. Secure the hanger assembly to the mounting assembly using a 5/16" bolt and flange nut packed in with this upright bagger support. See Fig. 4-7.

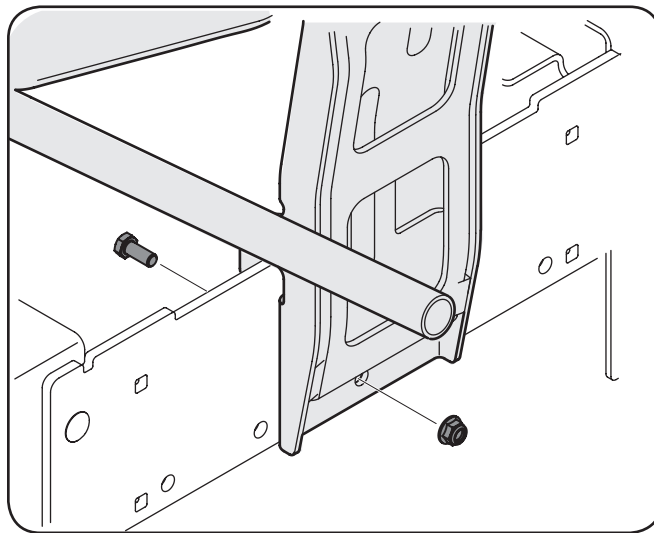


Figure 4-7

Installing the Weight Bar

Install the weight bar onto the front of the tractor's foot rest using two 710-3022 hex screws and 712-04065 hex flange lock nuts from Hardware Pack 689-00095.

Because the openings between the foot rest and the tractor frame (Refer to Fig. 4-8) provide only limited access for installing the hex flange lock nuts, it is recommend that you enlarge these access areas by temporarily raising the front of the foot rest. To raise the front of the foot rest, proceed as follows:

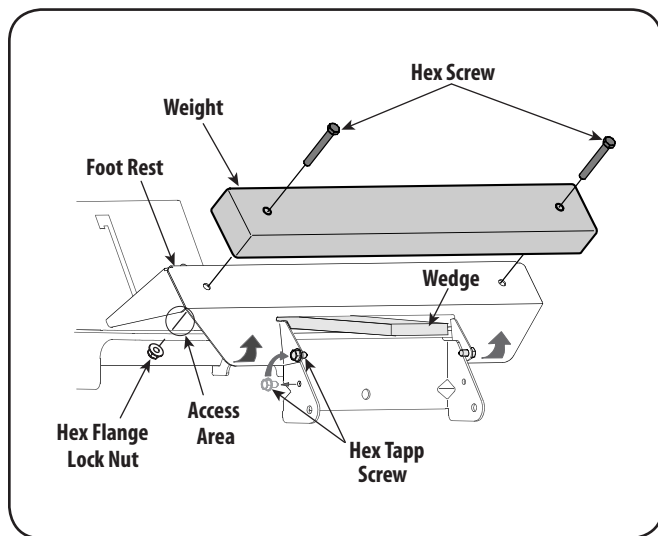


Figure 4-8

- Remove the two hex tapp screws that secure the front tabs of the foot rest to the front bracket of the tractor frame.
- Grasp the front of the foot rest and lift it upward. Use one (or both) of the following methods to hold the front of the foot rest in the raised position while installing the weight. Refer to Figure 4-8.
 - Lift the front of the foot rest so that the holes in the mounting tabs are above the frame bracket. Reinsert the hex tapp screws into the tab holes, and lower the foot rest until screws are against the front edges of the frame bracket.
 - Locate a thin board, bar, rod, etc. to use as a wedge. Lift the front of the foot rest and insert the wedge fully beneath the foot rest, between the foot rest and frame.
- Insert two 710-3022 hex screws through the hole at each end of the weight. See Fig. 4-8.
- Lift the weight w/screws and align the screws with the two holes in the front of the foot rest. Insert the screws through the foot rest holes and hold the weight in position on the front of the foot rest.
- While continuing to support the weight, hand thread the two 712-04065 hex flange lock nuts (flange side first) onto the screws. Fully tighten this hardware at this time.
- Grasp the foot rest with the weight bar now attached and return it to its original position.
- Reinstall and tighten the two tapp screws that secure the foot rest.

Assembling Remaining Bagger Components

Now that the mounting brackets are assembled and are in place on the tractor, follow these steps to assemble the remaining bagger components.

1. Snap the plastic upper chute support in place by first clipping the side portion onto the bagger support rail (1) with the edge of the snap feature aligned with the line on the label, as shown in the inset of Fig. 4-9.
2. Snap the front side of the chute support to the rail (2), as shown in Fig. 4-9.

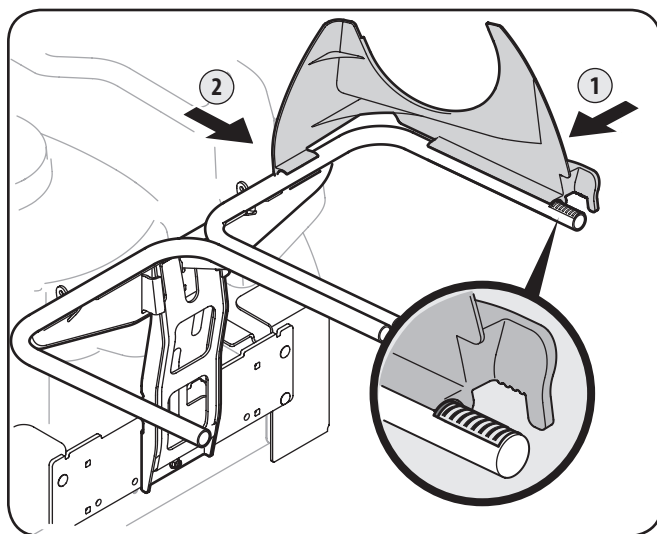


Figure 4-9

3. Install the bagger screen into the bagger cover by first inserting one end into the corresponding cutout mounting hole, as in Fig. 4-10. Make sure to feed the screen under the lip, as in Fig. 4-11.

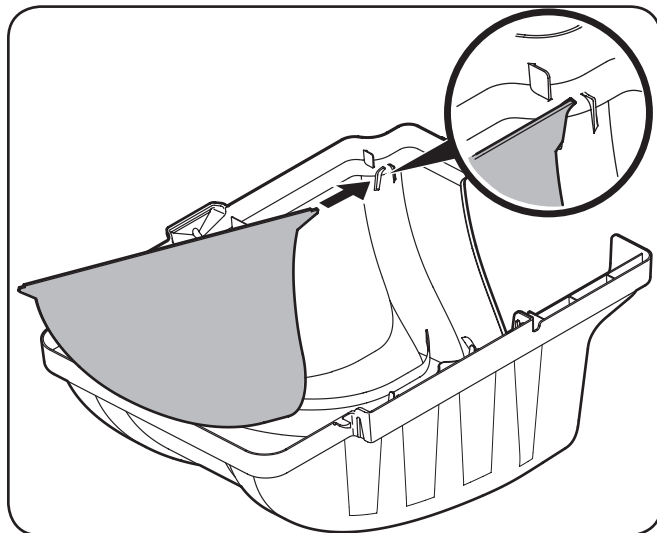


Figure 4-10

4. Clip in the other side of the screen by flexing the screen and pushing it down into the other corresponding cutout hole. See Fig. 4-11.

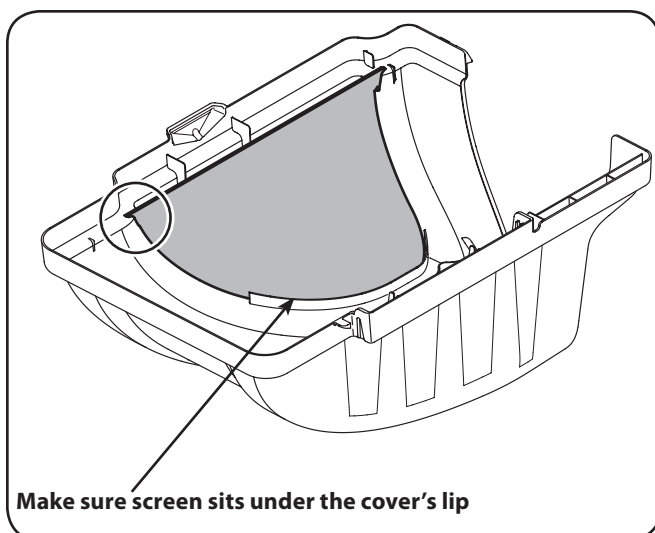


Figure 4-11

5. Install the bagger cover onto the bag support assembly, as seen in Fig. 4-12. The plastic cover goes inside of the two mounting tabs.

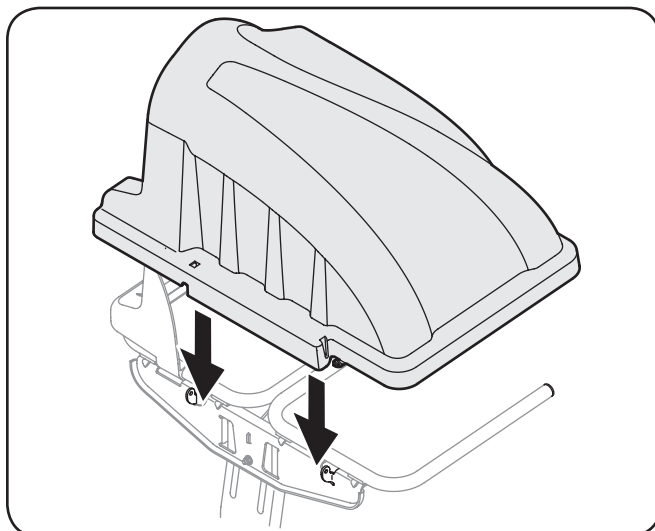


Figure 4-12

6. Slide the hinge pin into the hole located on the mounting tab, as in Fig. 4-13. Use the cut-out window (See inset in Fig. 4-13) to line up the hinge pin on the other side and push pin all the way in until it reaches the end-stop. At this point the pin clips into place and is secured by a tab in the bagger cover. See Fig. 4-14.

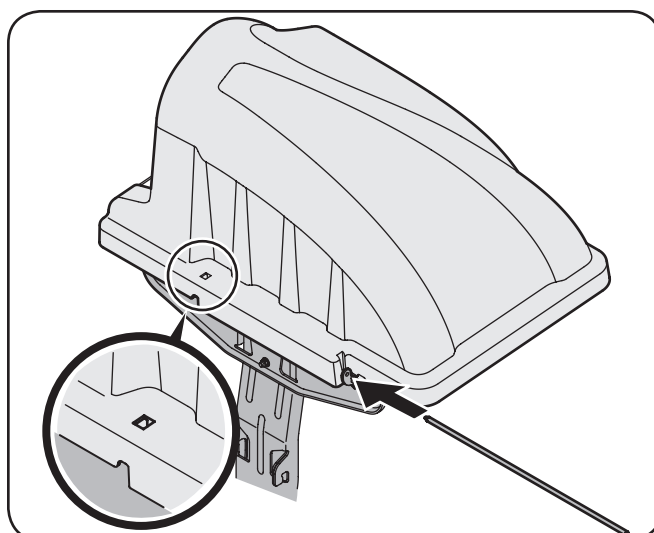


Figure 4-13

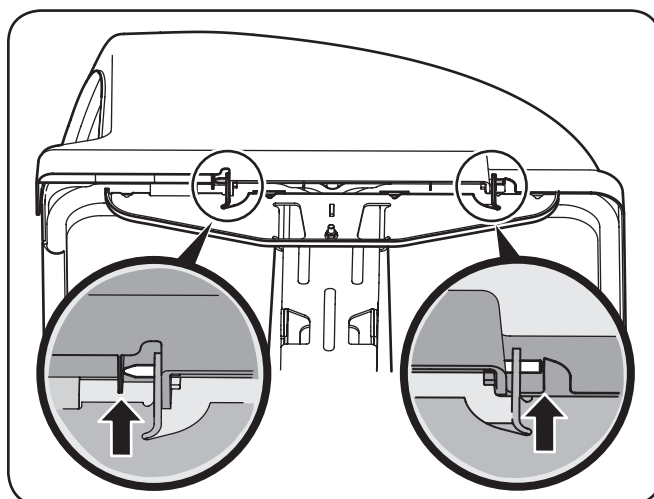


Figure 4-14

7. Open Hood by pushing in on the rear, right-side tab with your right hand, as seen in 1 of Fig. 4-15, and lifting the cover with your left hand in the center rear of the bagger cover, 2.

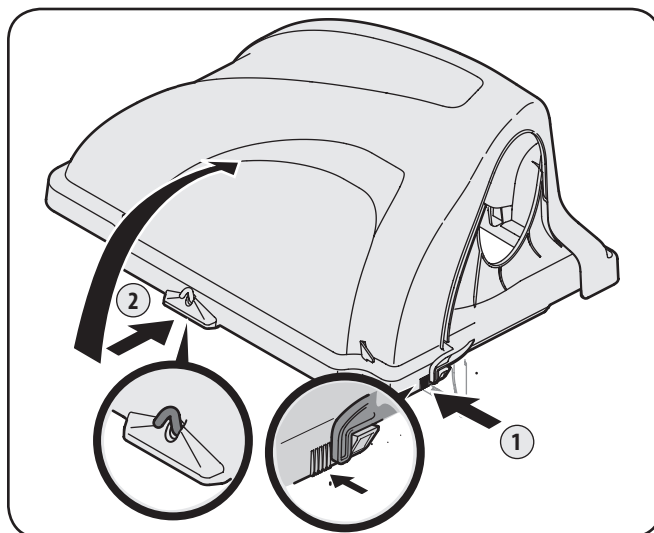


Figure 4-15

8. Install both bag assemblies onto the bag support brackets by inserting the front edge in first, as seen in 1 of Fig. 4-16, and setting the back edge down until it fits into the assembly (2).

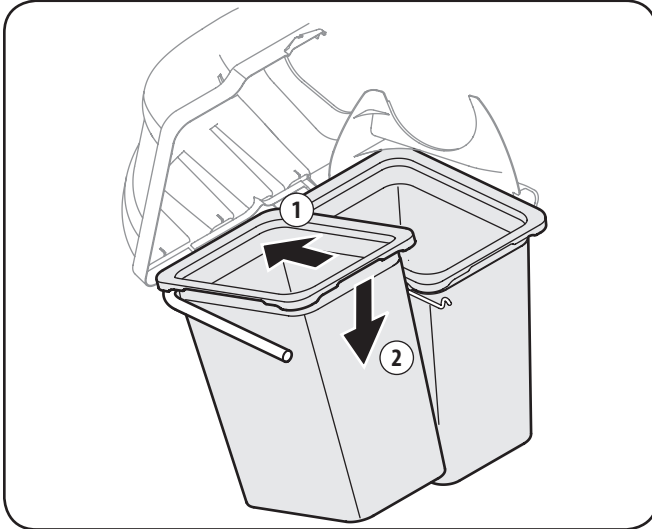


Figure 4-16

9. Install the rubber chute strap (723-04008A) on the chute elbow using a clevis pin (711-05063), flat washer (736-0204) and Bow-tie cotter pin (714-04040) found in hardware pack 689-00091. See Fig. 4-17.

Note: Attach the end of the strap with the mounting hole closest to the end of the strap, as shown in 4-17.

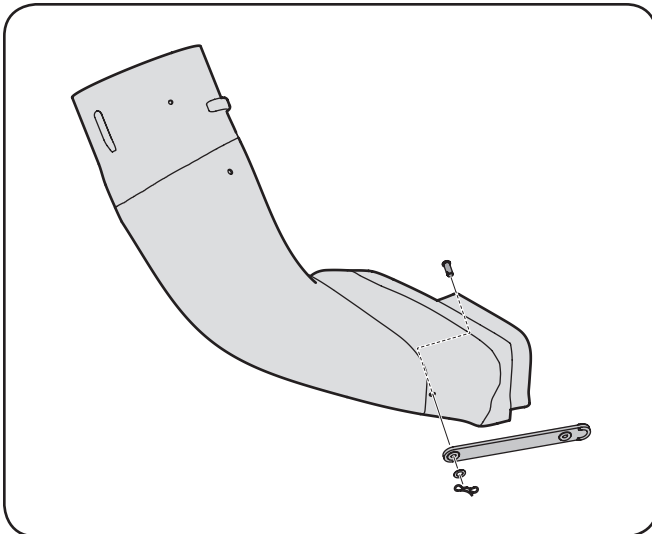


Figure 4-17

10. Install the ball pin (911-04069) from hardware pack 689-00091 into the hole in the front of the mower deck as seen in Fig. 4-18, and secure with a flange lock nut (712-04064), from the same hardware pack.

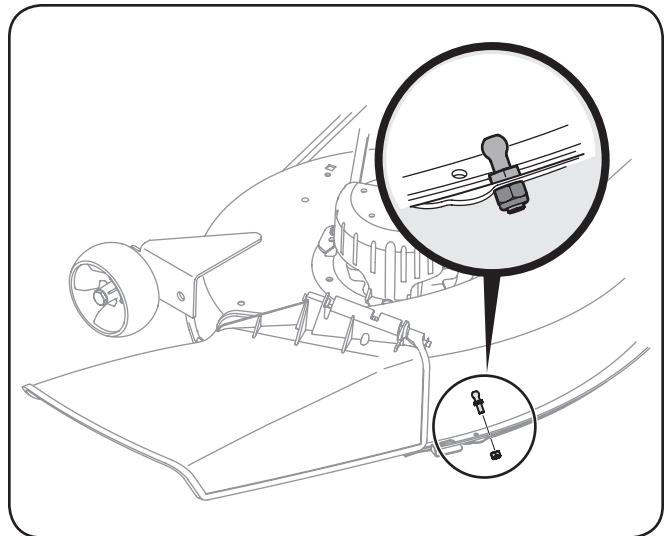


Figure 4-18

11. With the tractor's discharge chute raised up and held open, install the chute elbow over the chute opening by placing the top, rear edge of the chute elbow over the rear of the deck opening, then pivoting the chute elbow down and over the chute opening. See Fig. 4-19.

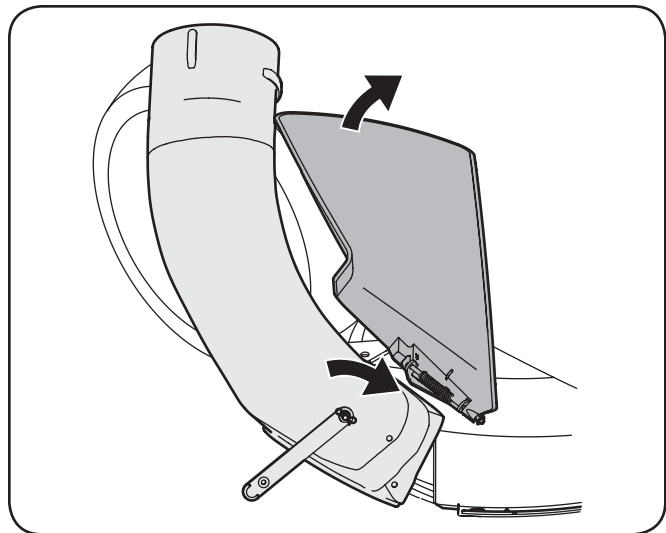


Figure 4-19

Note: For the chute elbow to be properly installed, the bottom edge must fall **over** the bottom of the deck opening. See Fig. 4-20.

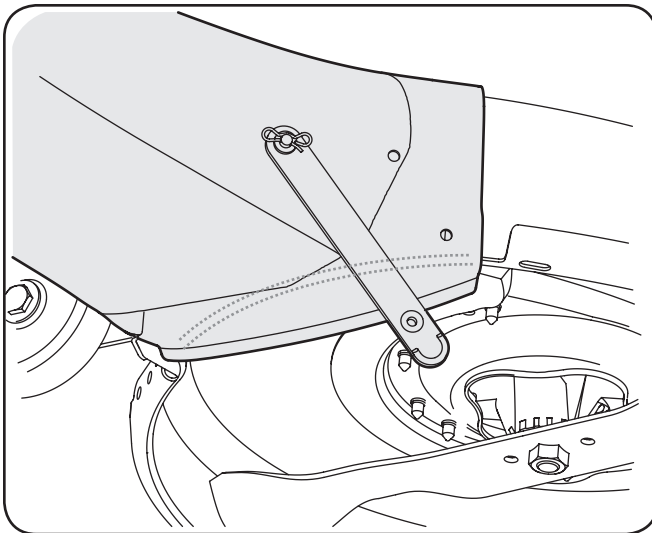


Figure 4-20

12. Secure the chute elbow to the tractor's deck by hooking the chute strap onto the ball pin installed earlier on the deck. See Fig. 4-21.

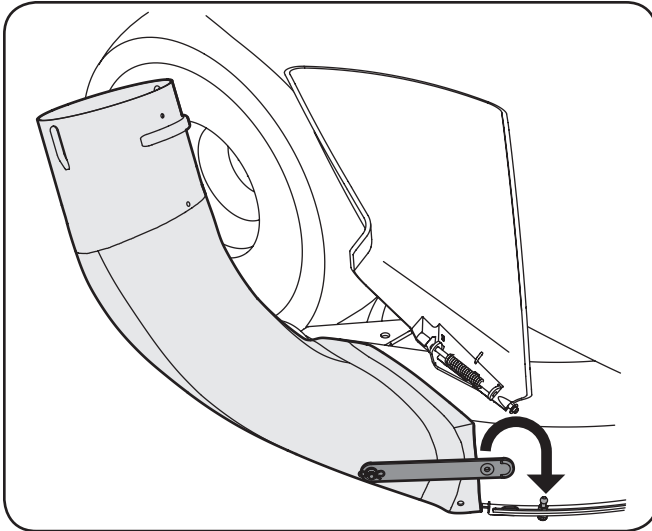


Figure 4-21

13. Install the chute adapter onto the chute elbow by lining up the tabs and sliding the adapter over the chute elbow, as in Fig. 4-22. Secure the chute adapter by installing the two 726-3046 ratchet clips, included in hardware pack 689-00091, in the holes provided.

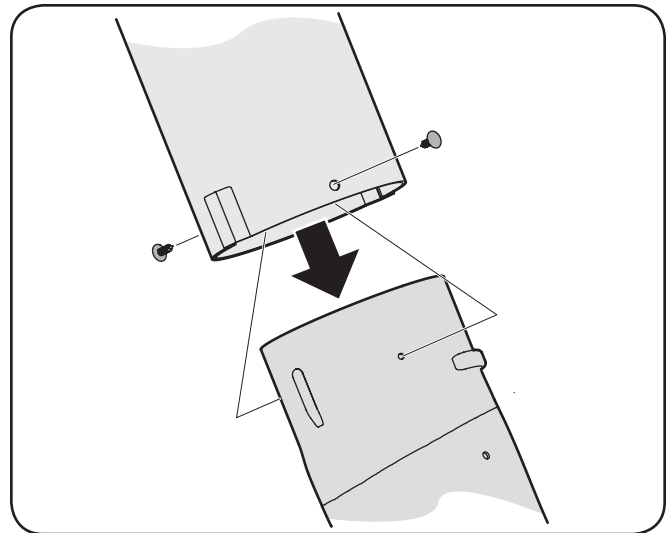


Figure 4-22

- NOTE:** Check the upper chute for a cardboard insert installed for shipping purposes. If the insert is present, remove it before continuing with Step 14.
14. With the bagger cover open, install the upper chute over the chute adapter, and rest the top so that the chute support sits in the upper chute groove. See Fig. 4-23.

Note: Make sure to align the upper chute with the ridges on the bagger support bracket.

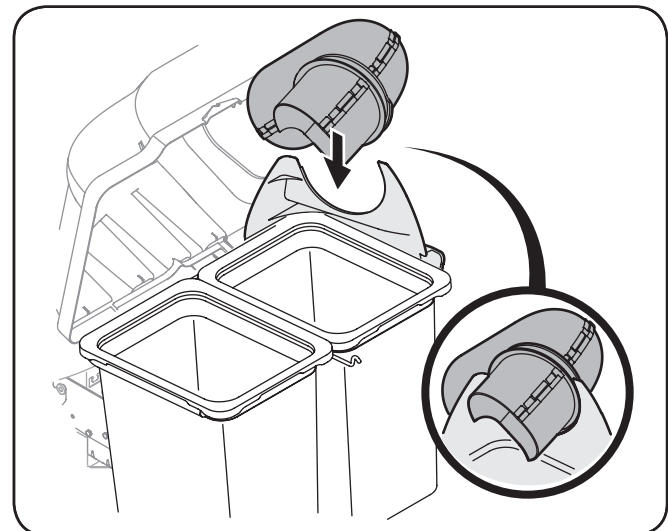


Figure 4-23

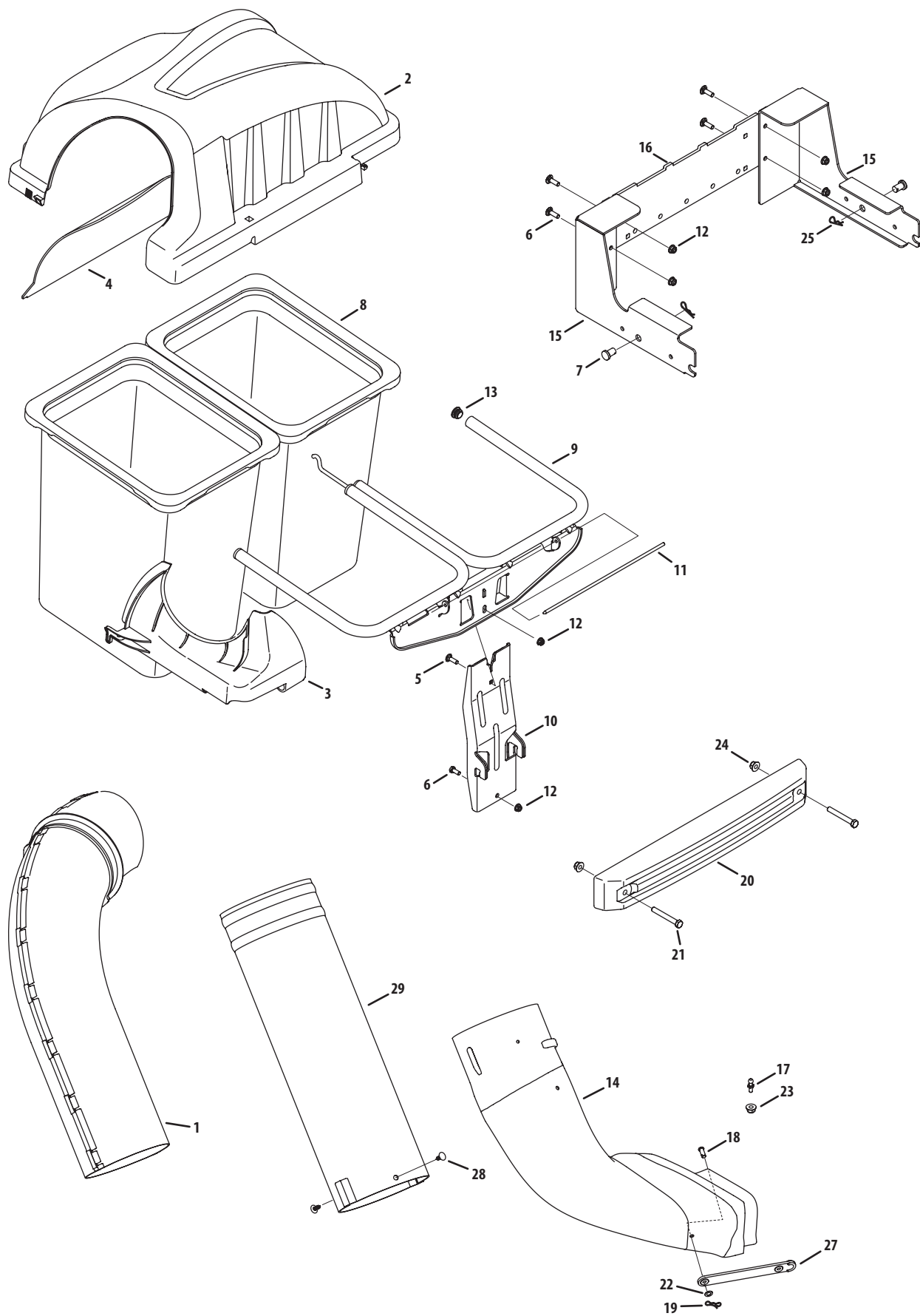
Bagger Usage

NOTE: When both grass bags are full, place the tractor on a firm, level surface, disengage the PTO, turn the tractor engine off and set the parking brake.

1. Lift up the grass bag cover as instructed on Page 11 in Step 7. Do not remove the chute tube assembly from the tractor.
2. Remove the grass bags by lifting these up and moving the bags away from the bag support assembly.
3. Empty the grass clippings at a proper disposal sight, use the handle at the bottom of each grass bag. Holding the bag firmly, empty the contents
4. Replace grass bags, close lid, flip down seat, restart your tractor and resume cutting your grass.

15

19A700050EM Parts List



Ref.	Part Number	Description
1.	631-04295	Upper Chute Assembly
2.	631-04292	Twin Bagger Cover Assembly
3.	731-06497	Upper Chute Support
4.	731-06504	Bagger Cover Screen
5.	710-0276	Carriage Screw, 5/16-18 x 1.00"
6.	710-3008	Hex Head Screw, 5/16-18 x .75"
7.	711-0332	Clevis Pin, .50" Dia.
8.	664-04096	Grass-bag Assembly
9.	683-04481	Twin Bag Support Assembly
10.	683-04519	Vertical Support Bracket
11.	711-04988	Cover Hinge Pin
12.	712-04063	Flange Lock Nut, 5/16-18
13.	735-0246A	End Plug
14.	731-04777C	Discharge Chute Elbow
15.	689-00204	RZT Hitch Bracket Kit (RH & LH)
16.	783-06168	Universal Cross Bracket
17.	711-04069	Grass-catcher Pin
18.	711-05063	Clevis Pin 5/16 x 3/4
19.	714-04040	Bow-Tie Cotter Pin
20.	719-04271A	Bagger Weight
21.	710-3022	Hex Head Screw, 3/8 - 16 x 2.75
22.	736-0204	Flat Washer, .344 x .62 x .033
23.	712-04064	Flange Lock Nut, 1/4 - 20
24.	712-04065	Flange Lock Nut, 3/8 - 16
25.	714-04023	Cotter Pin, .080 x 1.5625 Internal
26.	719-04271A	RZT Bagger Weight
27.	723-04008A	Chute Strap
28.	726-3046	Ratchet Clip, .250
29.	731-06668	Bagger Chute Adapter, 7 In.

Notes

[illegible]

MANUFACTURER'S LIMITED WARRANTY FOR



The limited warranty set forth below is given by MTD LLC with respect to new merchandise purchased and used in the United States and/or its territories and possessions, and by MTD Products Limited with respect to new merchandise purchased and used in Canada and/or its territories and possessions (either entity respectively, "MTD").

"MTD" warrants this product (excluding its *Normal Wear Parts and Attachments* as described below) against defects in material and workmanship for a period of one (1) year commencing on the date of original purchase and will, at its option, repair or replace, free of charge, any part found to be defective in materials or workmanship. This limited warranty shall only apply if this product has been operated and maintained in accordance with the Operator's Manual furnished with the product, and has not been subject to misuse, abuse, commercial use, neglect, accident, improper maintenance, alteration, vandalism, theft, fire, water, or damage because of other peril or natural disaster. Damage resulting from the installation or use of any part, accessory or attachment not approved by MTD for use with the product(s) covered by this manual will void your warranty as to any resulting damage.

Normal Wear Parts are warranted to be free from defects in material and workmanship for a period of thirty (30) days from the date of purchase. Normal wear parts include, but are not limited to items such as: batteries, belts, blades, blade adapters, tines, grass bags, wheels, rider deck wheels, seats, snow thrower skid shoes, friction wheels, shave plates, auger spiral rubber and tires.

Attachments — MTD warrants attachments for this product against defects in material and workmanship for a period of one (1) year, commencing on the date of the attachment's original purchase or lease. Attachments include, but are not limited to items such as: grass collectors and mulch kits.

HOW TO OBTAIN SERVICE: Warranty service is available, WITH PROOF OF PURCHASE, through your local authorized service dealer. To locate the dealer in your area:

In the U.S.A.

Check your Yellow Pages, or contact MTD LLC at P.O. Box 361131, Cleveland, Ohio 44136-0019, or call 1-800-800-7310, 1-330-220-4683 or log on to our Web site at www.mtdproducts.com.

In Canada

Contact MTD Products Limited, Kitchener, ON N2G 4J1, or call 1-800-668-1238 or log on to our Web site at www.mtdcanada.com.

This limited warranty does **not** provide coverage in the following cases:

- a. Log splitter pumps, valves, and cylinders have a separate one-year warranty.

- b. Routine maintenance items such as lubricants, filters, blade sharpening, tune-ups, brake adjustments, clutch adjustments, deck adjustments, and normal deterioration of the exterior finish due to use or exposure.
- c. Service completed by someone other than an authorized service dealer.
- d. MTD does not extend any warranty for products sold or exported outside of the United States and/or Canada, and their respective possessions and territories, except those sold through MTD's authorized channels of export distribution.
- e. Replacement parts that are not genuine MTD parts.
- f. Transportation charges and service calls.
- g. MTD does not warrant this product for commercial use.

No implied warranty, including any implied warranty of merchantability of fitness for a particular purpose, applies after the applicable period of express written warranty above as to the parts as identified. No other express warranty, whether written or oral, except as mentioned above, given by any person or entity, including a dealer or retailer, with respect to any product, shall bind MTD. During the period of the warranty, the exclusive remedy is repair or replacement of the product as set forth above.

The provisions as set forth in this warranty provide the sole and exclusive remedy arising from the sale. MTD shall not be liable for incidental or consequential loss or damage including, without limitation, expenses incurred for substitute or replacement lawn care services or for rental expenses to temporarily replace a warranted product.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above exclusions or limitations may not apply to you.

In no event shall recovery of any kind be greater than the amount of the purchase price of the product sold. **Alteration of safety features of the product shall void this warranty.** You assume the risk and liability for loss, damage, or injury to you and your property and/or to others and their property arising out of the misuse or inability to use the product.

This limited warranty shall not extend to anyone other than the original purchaser or to the person for whom it was purchased as a gift.

HOW STATE LAW RELATES TO THIS WARRANTY: This limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

IMPORTANT: Owner may be required to present proof of purchase to obtain warranty coverage.

MTD LLC, P.O. BOX 361131 CLEVELAND, OHIO 44136-0019; Phone: 1-800-800-7310, 1-330-220-4683
MTD Canada Limited - KITCHENER, ON N2G 4J1; Phone 1-800-668-1238