

2-Bag Material Collection System for 42-Inch Accel Deep™ Mower Decks on Z300 Series ZTrak



JOHN DEERE

OPERATOR'S MANUAL

2-Bag Material Collection System for 42-Inch Accel
Deep™ Mower Decks for use on Z300 Series ZTrak

OMUC32589E ISSUE I2 (ENGLISH)

John Deere Power Products

Export Edition
PRINTED IN U.S.A.

Introduction

Thank You for Purchasing a John Deere Product

We appreciate having you as a customer and wish you many years of safe and satisfied use of your machine.

MX00654,000020B-19-10MAY17

Using Your Operator's Manual

Read this operator's manual, watch the safety video, and review the safety signs on your machine before use. They all contain important safety information and operating instructions that must be followed to help keep you and others safe. Be sure everyone who uses the machine has read the manual, reviewed the safety signs, and knows how to use the machine safely and properly.

Your machine was designed and built to be operated in accordance with all the safe operating instructions. Since it was designed to cut grass, it can amputate hands and feet and throw objects. If you do not follow safety instructions, serious injury or death can occur.

This operator manual is organized in sections to help you find information quickly. You can use this manual to find answers to many of your operating and servicing questions. An index at the end of this book helps you find needed information quickly. Contact your dealer if this manual does not answer your questions.

Before using your machine:

- Know how to operate the machine. The Operating Controls section helps you understand the controls of your machine and what they do.
- Prepare your machine and the mowing area by performing required daily checks outlined in the General Instructions section.
- Follow instructions in the Preventing Injuries section, especially related to:
 - Keeping children safe by following instructions in the Protect Children section.
 - Avoiding injury on slopes and near terrain hazards by following instructions in the Operating on Slopes and Near Terrain Hazards section.
 - Follow the instructions in the Avoid Thrown Objects section and keep all guards in place, including discharge chute.
 - Cleaning machine during use and before storing as outlined in the Prevent Fires section.
- Understand how to service and inspect your machine.

If you do not understand the instructions or have questions, contact your dealer.

The machine shown in this manual can differ slightly from your machine.

RIGHT-HAND and LEFT-HAND sides are determined by facing in the direction that the machine travels when going forward. When you see a broken line (-----), the item referenced is hidden from view.

Before delivering this machine, your dealer performed a predelivery inspection to ensure best performance.

This manual is an important part of your machine. Keep this manual with the machine when you sell it.

OUO2005,000078D-19-11FEB20

Special Messages

Your manual contains special messages to bring attention to potential safety concerns and machine damage, as well as helpful operating and servicing information. Please read all the information carefully to avoid injury and machine damage.

 **CAUTION: Avoid injury! This symbol and text highlight potential hazards or death to the operator or bystanders that may occur if the hazards or procedures are ignored.**

IMPORTANT: Avoid damage! This text is used to tell the operator of actions or conditions that might result in damage to the machine.

NOTE: General information is given throughout the manual that may help the operator in the operation or service of the machine.

MX00654,000020D-19-05JUN17

Service Literature

If you would like to purchase a copy of the Parts Catalog or Technical Manual for this machine, visit The John Deere Technical Information Store at:

<https://techpubs.deere.com/>

or call:

- **U.S. & Canada:** 1-800-522-7448.
- **All Other Regions:** Your John Deere dealer.

TH84124,0000199-19-29JUN22

Parts

We recommend John Deere quality parts and lubricants, available at your John Deere dealer.

When you order parts, your John Deere dealer needs the serial number or product identification number (PIN) for your machine or attachment. These are the numbers that you recorded in the Product Identification section of this manual.

Order Service Parts Online

Visit <https://partscatalog.deere.com/jdrc/> for your Internet connection to parts ordering and information.

TC00531,00000E9-19-17MAY22

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Product Identification

Product Compatibility

The 42 in Accel Deep™ Mower decks are compatible with the Z300 ZTrak™.

vs70618,1655270063131-19-15JUN22

Record Purchase Information

Record the purchase information in the spaces provided below.

DATE OF PURCHASE:

DEALER NAME:

DEALER PHONE:

vs70618,1655270093150-19-19JUL22

Original Instructions. All information, illustrations and specifications in this manual are based on the latest information available at the time of publication. The right is reserved to make changes at any time without notice.

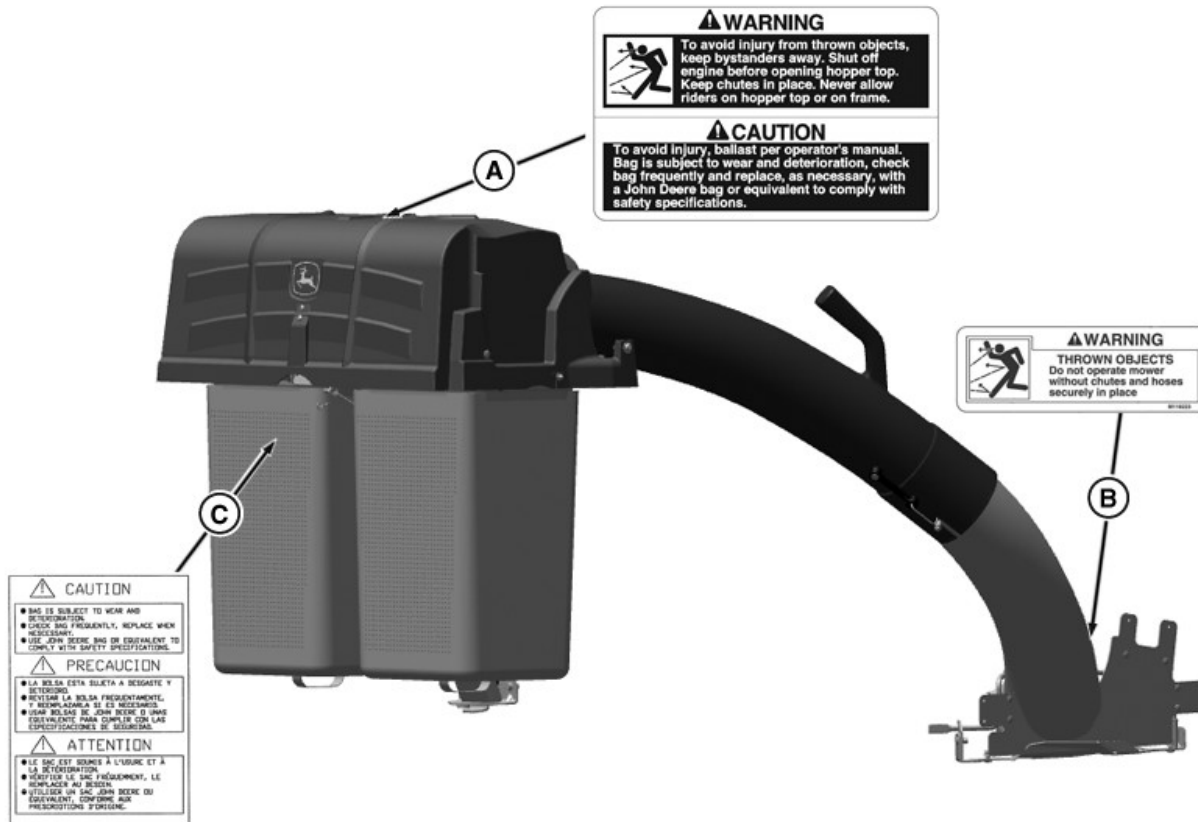
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ZTrak is a trademark of Deere & Company

Safety Labels with Text

Safety Labels with Text

Safety Label Location - Material Collection System



A—WARNING (M151187)
B—WARNING (M118223)

C—CAUTION (GC00215)

APY538260—UN—01JUN22

vs70618,1655374997907-19-16JUN22

Understanding the Machine Safety Labels



MXAL42363—UN—22MAY13

The machine safety labels shown in this section are placed in important areas on your machine to draw attention to potential safety hazards. DANGER or WARNING safety labels are located near specific hazards.

The operator's manual also explains any potential safety hazards whenever necessary in special safety messages that are identified with the word, CAUTION, and the safety-alert symbol.

On your machine safety labels, the words DANGER, WARNING, and

CAUTION are used with this safety-alert symbol. DANGER identifies the most serious hazards:

- **DANGER;** The signal word DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.
- **WARNING;** The signal word WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.
- **CAUTION;** The signal word CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury. CAUTION may also be used to alert against unsafe practices associated with events which could lead to personal injury.

Replace missing or damaged safety labels. Use this operator's manual for correct safety label placement.

There can be more safety information contained on parts and components sourced from suppliers that is not reproduced in this operator's manual.

French or Spanish Safety Labels and Operator's Manual

Operator's manuals and safety labels with content in French or

Safety Labels with Text

Spanish are available for this machine through authorized John Deere dealers. See your John Deere dealer.

NOTE: Both text and no-text labels are shown. Your machine is only equipped with one of these types of labels.

MP47322,00F4601-19-26OCT21

WARNING—CAUTION



GXT001245—UN—28OCT13

WARNING

To avoid injury from thrown objects, keep bystanders away. Shut off engine before opening hopper top. Keep chutes in place. Never allow riders on hopper top or on frame.

CAUTION

To avoid injury, ballast per operator's manual. Bag is subject to wear and deterioration, check bag frequently and replace, as necessary, with a John Deere bag or equivalent to comply with safety specifications.

OUC02005,000025A-19-04MAY20

WARNING



M118223

GXT001508—UN—18JUN14

THROWN OBJECTS

Do not operate mower without chutes and hoses securely in place.



GXT001246—UN—28OCT13

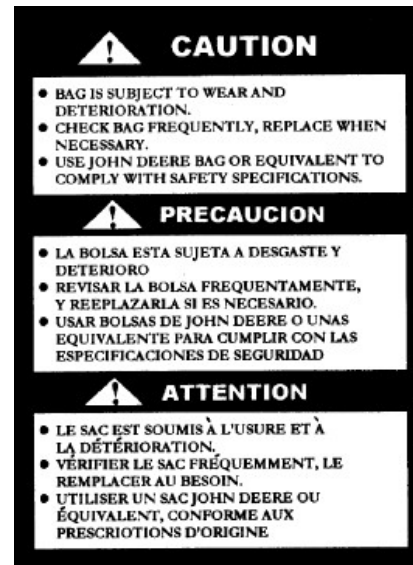
If French labeling is required, place M133741 label over existing label. If Spanish labeling is required, place M158499 label over existing label. Place M158500 label over existing label if the Power Flow™ kit is intended for global distribution and includes the text-free safety signs in base equipment.

ROTATING BLADES - THROWN OBJECTS

Operate Blower with entire grass catcher secured in place.

vs70618,1655375379190-19-19JUL22

CAUTION



GXT001509—UN—18JUN14

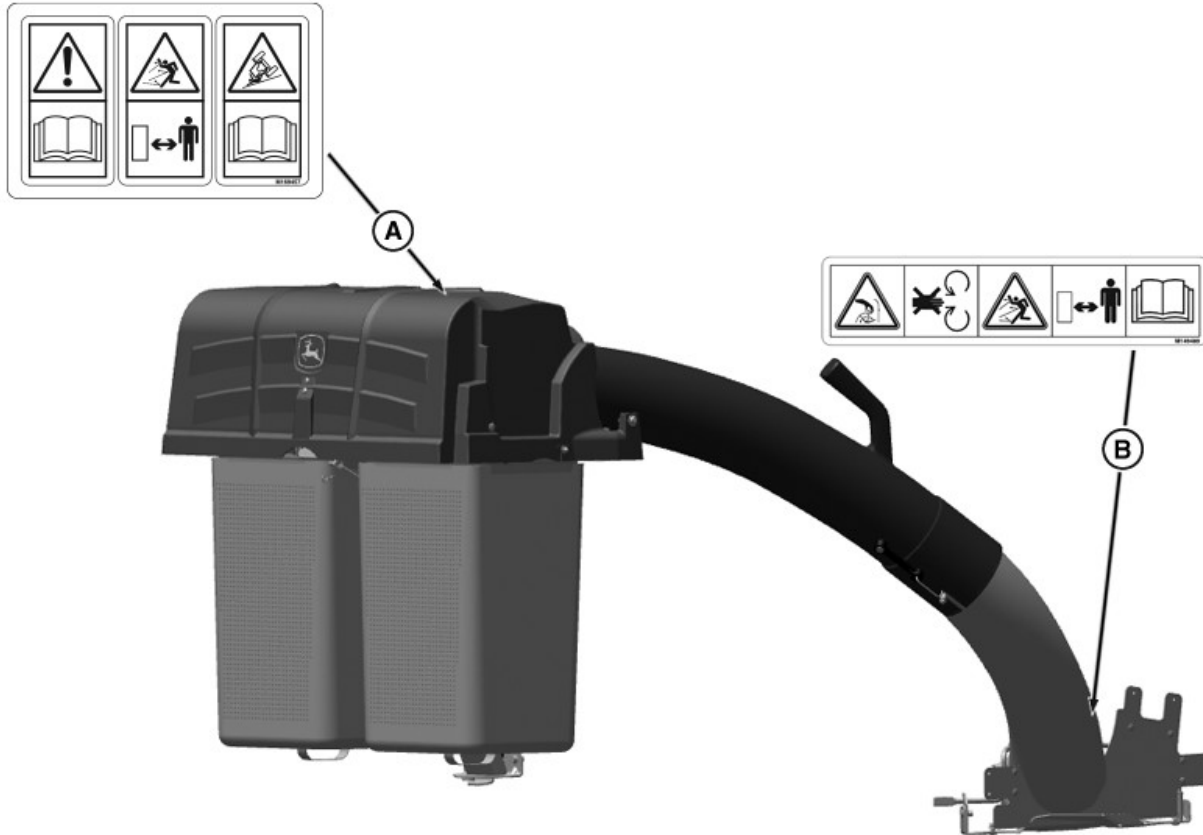
- Bag is subject to wear and deterioration.
- Check bag frequently, replace when necessary.
- Use a John Deere bag or equivalent to comply with safety specifications.

OUC02004,00009B7-19-16JUL14

Safety Labels without Text

Safety Labels without Text

Safety Label Location - Material Collection System



A—READ OPERATOR'S MANUAL (M169457)

B—WARNING (M149489)

APY538261—UN—01JUN22

vs70618,1655375539862-19-19JUL22

Understanding the Machine Safety Labels without Text



TCT005498—UN—11SEP12

At several important places on this machine, safety signs are affixed which signify potential danger. The hazard is identified by a pictorial in a warning triangle. An adjacent pictorial provides information on how to avoid personal injury. These safety signs, their placement on the machine, and a brief explanatory text are shown in this Safety section.

There can be additional safety information contained on parts and components sourced from suppliers that is not reproduced in this operator's manual.

MX00654,0000389-19-26OCT21

Read Operator's Manual



GXT001478—UN—29AUG14

- Read Operator's Manual
- Avoid Injury From Thrown Objects

Safety

- Avoid Injury From Tipping

OUC2004,0000A2A-19-29AUG14

Safety

Read Safety in Machine Operator's Manual

Read the general safety operating precautions in your machine operator's manual for additional safety information.

OUMX068,0000230-19-18SEP13

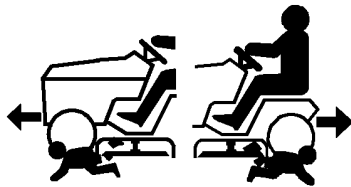
Parking Safely

Always apply the park brake and remove the key before leaving the machine unattended. Children or others may attempt to move or operate an unattended machine.

- Stop the machine on a level surface.
- Disengage mower blades or other attachments.
- Lower attachments to the ground.
- Apply the park brake.
- Stop the engine.
- Remove the key.
- Wait for engine and all moving parts to stop before you leave the seat.

OUC2005,0000788-19-15FEB20

Protect Children



MXAL41929—UN—18FEB13

- Children can be killed or seriously injured by riding mowers when operators do not follow safe operating practices.
- Do not mow in reverse. Operating with the mower engaged while backing up is discouraged.
- Never give children a ride on a mower or in a cart behind the mower, even when the blades are off. They can fall off and be run over or cut by the mower blades. Children can interfere with mower operation. Children who have been given rides in the past can suddenly appear in the mowing area for another ride. If you are not aware, they can be run over or backed over by the mower.
- Children are often attracted to lawn mowers and mowing activities, especially if they have been given rides before. They do not know if the blades are rotating or understand that they can be killed or seriously injured even if the blades are not rotating.
- Keep children indoors and out of the mowing area when the mower is being operated. Keep children under the watchful eye of a responsible adult, other than the operator. If there is not a responsible adult to ensure that children stay indoors, DO NOT mow.
- Be alert to the presence of children or others. Turn off the mower blades and stop the machine if someone enters the mowing area.
- Look in the direction the machine is traveling. Before and while backing, turn off the mower blades and look down and behind the machine carefully, especially for children.
- Use extreme care when approaching objects that block your view,

such as blind corners, shrubs, or trees, especially while backing. They can hide a child.

MX00654,00002ED-19-30MAR20

Service and Maintenance

- Proper service and maintenance of the machine is essential.
- Keep all parts in good condition, keep all nuts and bolts tight, and repair any damage immediately. Stop and inspect the machine immediately if you strike an object.
- Ensure that all safety devices, discharge chute, and grass catcher components are in good condition and replace when necessary.
- Understand service procedures thoroughly before working on the machine. If you do not understand the service procedures or are uncomfortable working in your machine, contact your servicing dealer.
- Disconnect the battery or all spark plug wires before servicing the machine. Disconnect negative terminal first and positive last. Install positive terminal first and negative last.
- Some components could have stored energy in springs or hydraulic components. Servicing procedures described in the Service section describe how to perform service and maintenance tasks safely.
- Support any machine elements that must be raised for service work. Use jack stands or service locks to support components when needed.

MX00654,00002EE-19-30MAR20

Disposing of Waste Products and Chemicals

- Waste products, such as used oil, fuel, coolant, brake fluid, and batteries can harm the environment and people.
- Do not use beverage containers for waste fluids – someone can mistakenly drink from them.
- A Safety Data Sheet (SDS) provides specific details on chemical products: Physical and health hazards, safety procedures, and emergency response techniques. The seller of the chemical products used with your machine is responsible for providing the SDS for that product.
- To learn how to recycle or properly dispose of waste products generated from service, see your local recycling center or authorized dealer. If you wish to discard the machine, contact your local recycling center or authorized dealer.

MX00654,00002EF-19-30MAR20

Preparing Vehicle

Installing Proper Ballast

CAUTION: Avoid injury! Operating with a grasscatcher or other attachment can affect stability on slope. Use front weights on your tractor if necessary.

When the attachment is removed, also remove any ballast that was added to the machine.

Use only attachments and accessories recommended by the manufacturer.

NOTE: Ballast is extra weight that can be added to the machine to provide the additional stability.

Install the proper front ballast to help counterbalance the total weight of the MCS. Remove ballast when the MCS is removed to ensure proper operation of the machine when not bagging.

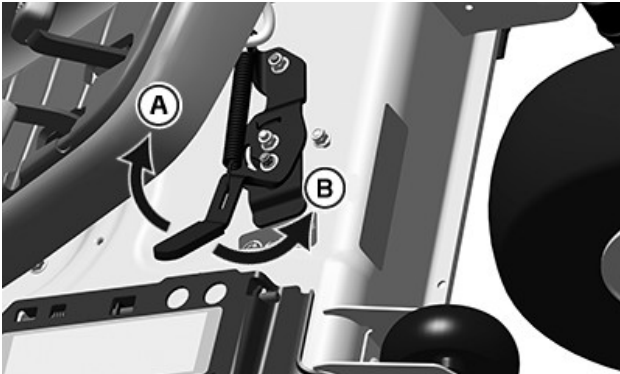
vs70618,1655376109122-19-16JUN22

Assembly

Switching to Open and Closed Modes

CAUTION: Avoid injury! Rotating belts and blades are dangerous.

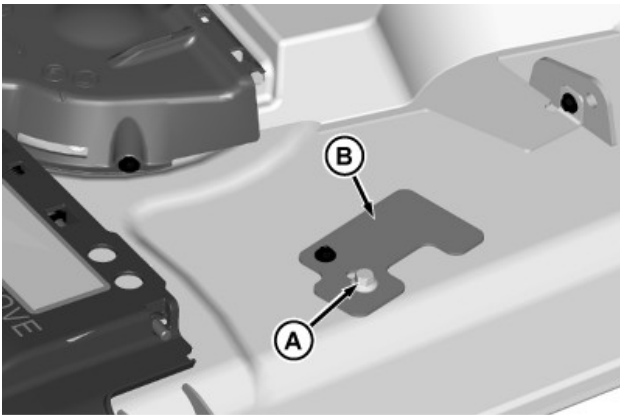
1. Park machine on a level surface.
2. Disengage mower blades.
3. Lock the park brake.
4. Wait for all moving mower deck parts to stop before you leave the operator's station.



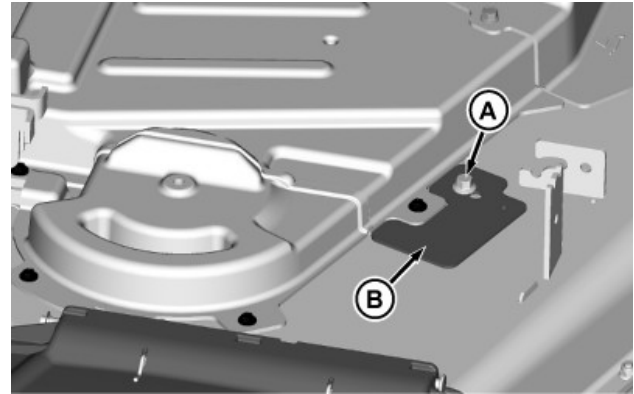
5. Rotate lever clockwise (A) to close or counterclockwise (B) to open.

vs70618,1655385062601-19-16JUN22

Remove Shields, European Models Only (ZTrak™)



Picture Note: 42 in. Accel Deep™ deck shown.



Picture Note: 48 in. Accel Deep™ deck shown.

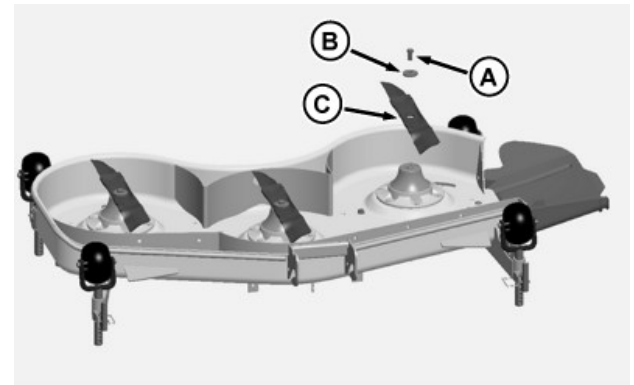
1. Remove self-tapping screw (A) and cover plate (B).

vs70618,1655385254326-19-16JUN22

Removing Discharge Blades

CAUTION: Avoid injury! Blades are sharp. Always wear gloves when handling blades or working near blades. Replace blades if defective. Never straighten or weld them.

1. Turn mower deck so underside is face up.
2. Insert wood block between blade and mower deck to prevent blade from turning when removing bolt.



3. Remove bolt (A), large washer, (B) and blade (C).

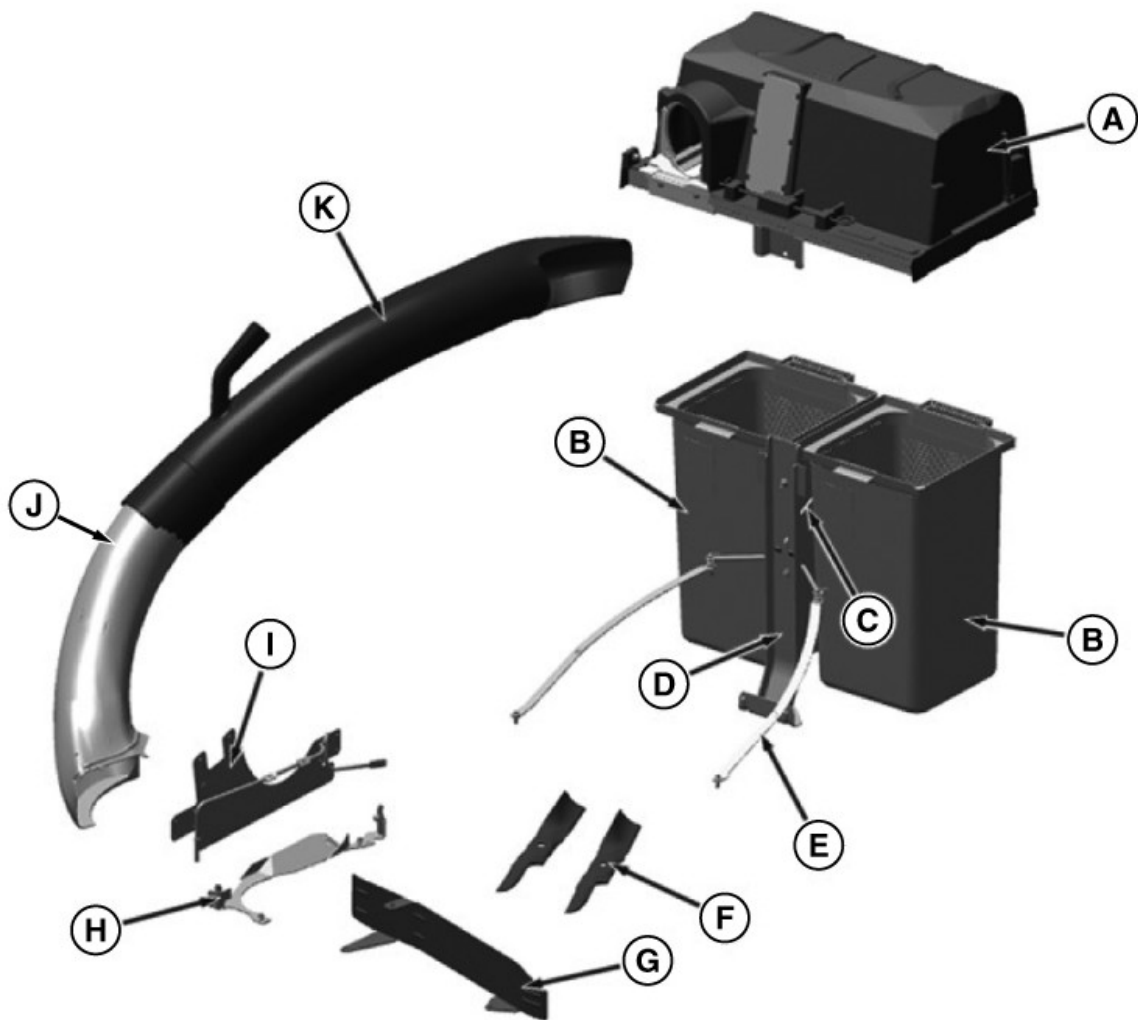
vs70618,1655385708851-19-16JUN22

Assembly

Parts Identification View - Material Collection System

42A Deck

Installing



GX100382—UN—19JUL22

Key	Description	Quantity
A	Hopper Top Assembly	1
B	Grass Bag	2
C	Gusset Rod	1
D	Mounting Post	1
E	Brace	2
F	Blades: 42 in	2
G	Baffle	1
H	Toe Guard	1
I	Hinge Assembly	1
J	Lower MCS Chute	1
K	Upper MCS Chute	1

vs70618,1655377283965-19-19JUL22

Installing

Installing Braces

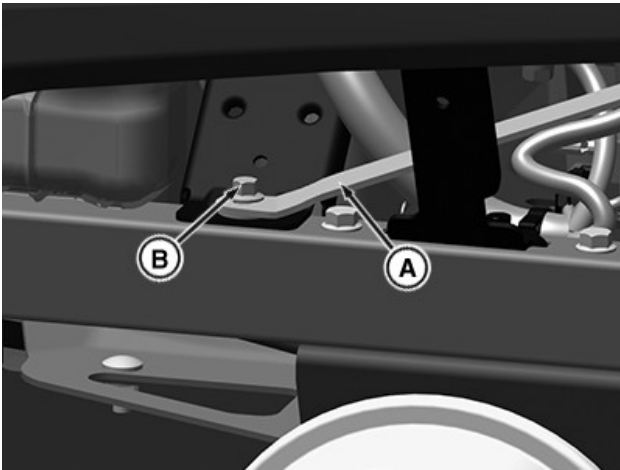
1. Remove left seat support screw.

Installing



APY538276—UN—02JUN22

2. Position M8 washer (A) on top of seat support.
3. Position left brace on top of the washer. Upper end should be underneath engine guard tab.



APY538277—UN—02JUN22

4. Install M8 self tapping screw (B) securing the brace (A).
5. Repeat the procedure on the right side.

NOTE: Do not remove both seat support screws at once.

vs70618,1655378073209-19-19JUL22

Installing Rear Pins

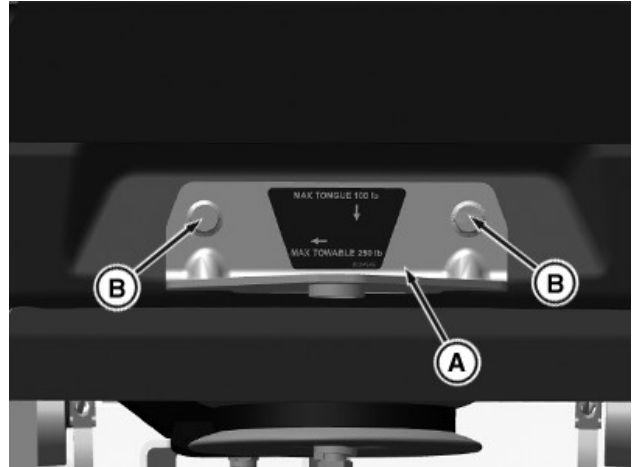


APY538278—UN—02JUN22

1. Insert pin down through engine guard tab hole and upper brace tab.
2. Fasten the pins with M10 locknut.

vs70618,1655378111892-19-27JUN22

Installing Hitch



APY538282—UN—01JUN22

Install hitch (A) to the rear end of the machine using M8 screws (B) and locknuts.

vs70618,1655378123965-19-16JUN22

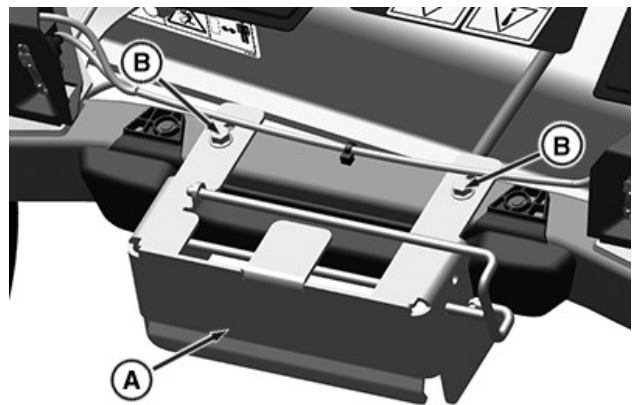
Installing Front Ballast Weight Bracket

CAUTION: Avoid injury! Operating with a grasscatcher or other attachment can affect stability on a slope.

When the attachment is removed, remove any ballast that was added to the machine as well.

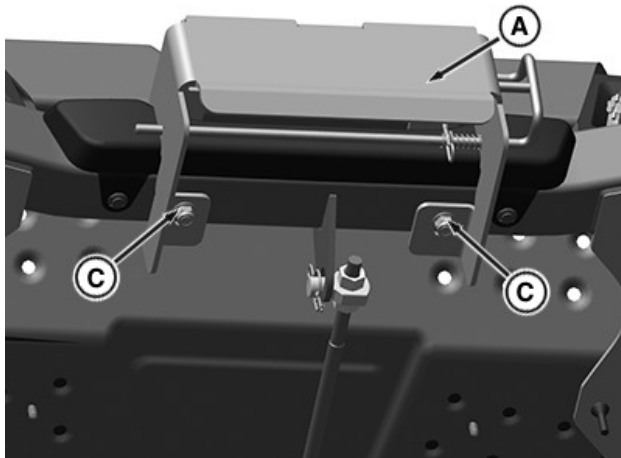
Use only attachments and accessories recommended by the manufacturer.

NOTE: Ballast is extra weight that can be added to the machine to provide additional stability.



APY538258—UN—01JUN22

Installing

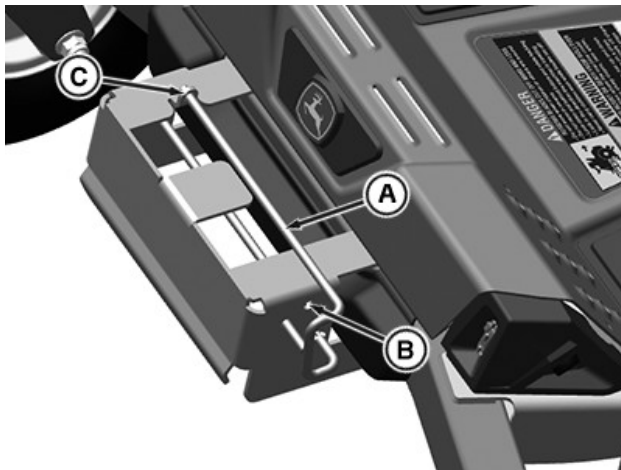


APY538259—UN—01JUN22

1. Verify that mower deck is lowered to the ground and not hanging from the vehicle.
2. Lift the foot rest up for access to front frame tube.
3. Slide weight bracket over the front frame tube.
4. Mount weight bracket (A) to machine platform and secure it with two M8 bolts (B) and locknuts (C).

vs70618,1655378155088-19-16JUN22

Installing Front Ballast Weight

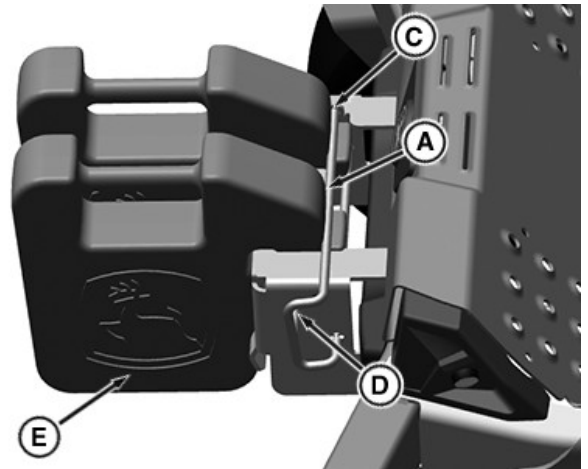


APY538280—UN—01JUN22

1. Pull out and rotate spring locking pin (A) rearward to remove it from the retaining tab (C). Release locking pin into the top hole (B).

CAUTION: Avoid injury! Weights are heavy and can cause injury if dropped. Install one weight at a time.

2. Install suitcase weights (E) on the bracket.

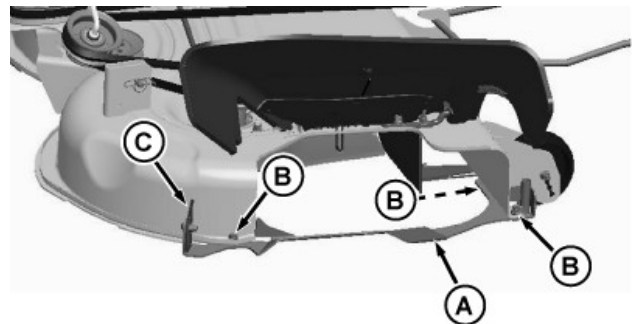


APY538281—UN—01JUN22

3. Pull out and rotate spring locking pin (A) forward and lock into place in the lower hole (D) and retaining tab (C).

vs70618,1655378167187-19-19JUL22

Installing Toe Guard



GXT002864—UN—26JAN16

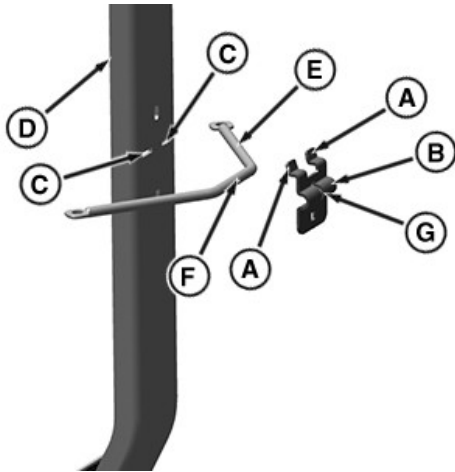
1. Install new toe guard (A) in the same holes using new hardware; three M8 carriage bolts (B), and lock nuts.
2. Install latch (C) to toe guard in the slot with M8 carriage bolt and lock nut. Tighten lock nuts to 40 N·m (29 lb·ft).
3. Latch plate must be to the front of the toe guard slotted tab, with bottom of latch contacting the toe guard to prevent rotation.

NOTE: The latch guard can be adjusted later for fit and latch force.

MX00654,00002FF-19-19JUL22

Installing

Assemble Bagger Support Rod to Cargo Mount™ Bracket



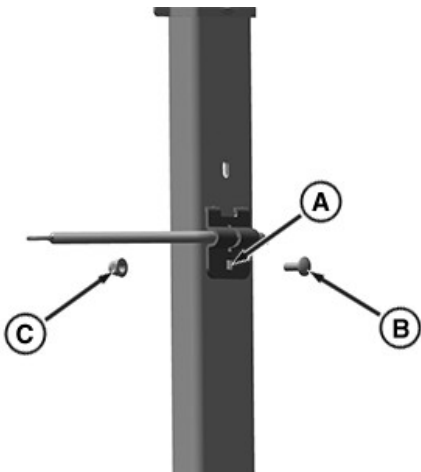
APY538262—UN—01JUN22

1. Insert both tabs (A) on cargo mount bracket (B) into slots (C) on mounting post (D).

NOTE: Assemble bagger support rod (E) with bent ends pointing down as shown.

2. Insert bagger support rod (E) between cargo mount bracket and mounting post.

NOTE: The tab (F) on support rod must fit into slot (G) on cargo mount bracket before tightening.



APY538263—UN—15JUN22

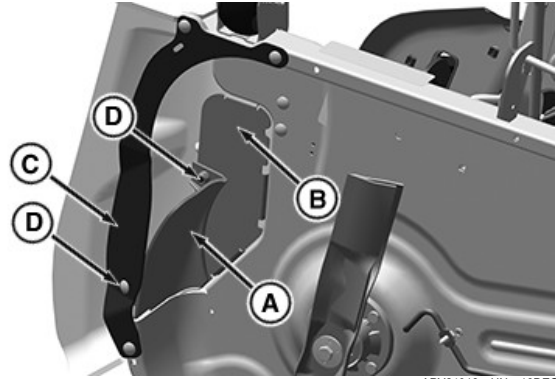
3. Insert round head bolt (B) through cargo mount bracket and into hole (A) in mounting post.
4. Secure bolt with flat washer and lock nut (C).

vs70618,1656328290744-19-19JUL22

Installing MulchControl™ Discharge Plate

CAUTION: Avoid injury! Machine component or attachment is heavy. Use a safe lifting device or get an assistant to help lift, install, or remove component or attachment.

NOTE: Discharge plate needs to be removed for material collection.



APY24918—UN—16DEC19

1. Position discharge plate (A) as shown.
2. Install discharge plate to the metal chute (B) and toe guard (C) with two M8 x 20 carriage bolts (D) and two M8 lock nuts.
3. Tighten lock nuts.

Specification

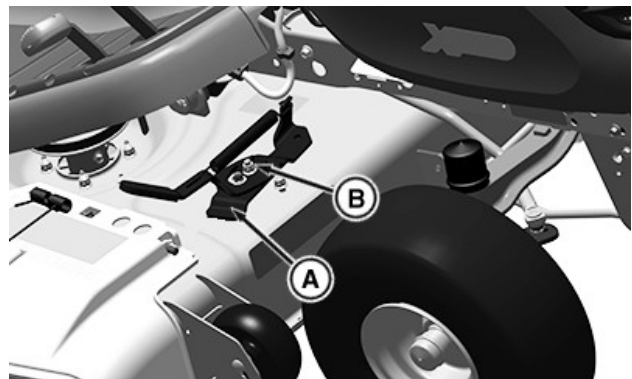
M8 Lock Nut—Torque: 20 N·m
(15 lb·ft)

vs70618,1655385738664-19-20JUL22

Installing Handle Assembly (Z3 Models)

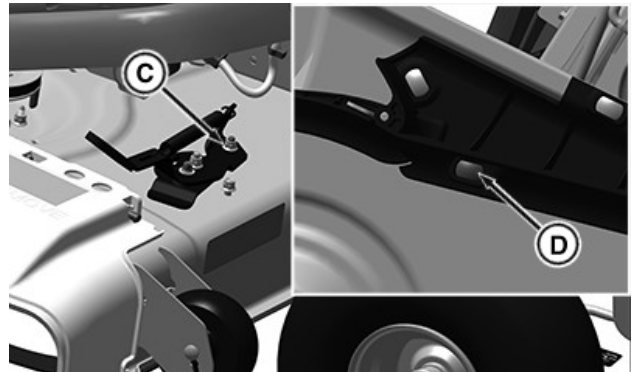
NOTE: The following procedure is for the 42 in MulchControl™ on a Select Series™ mower deck. The installation procedure for other machines listed above with a 42 in Accel Deep™ deck is similar.

CAUTION: Avoid injury! Machine component or attachment is heavy. Use a safe lifting device or get an assistant to help lift, install, or remove component or attachment.



APY24923—UN—11DEC19

1. Install handle assembly (A) to hinge pin with M8 lock nut (B). Tighten lock nut until snug on handle.



APY24924—UN—11DEC19

Installing

- On the top side of deck, install M8 lock nut (C) on shoulder bolt (D) to secure handle assembly.

Specification

M8 Lock Nut—Torque. 20 N·m
(15 lb·ft)

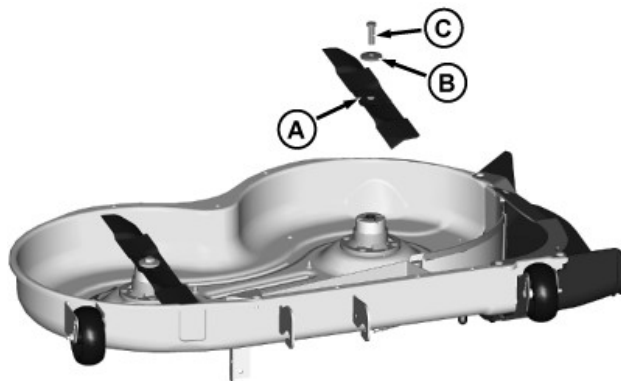
vs70618,1655385844764-19-16JUN22

Installing Blades

CAUTION: Avoid injury! Mower blades are sharp. Spinning blades can cause bodily injury. Before removing the standard deck blade, block the sharp edge of the blade with a piece of wood to prevent from spinning.

- Remove the side-discharge blades (if not already removed).

NOTE: Mulch blades are supplied with this bagging kit.



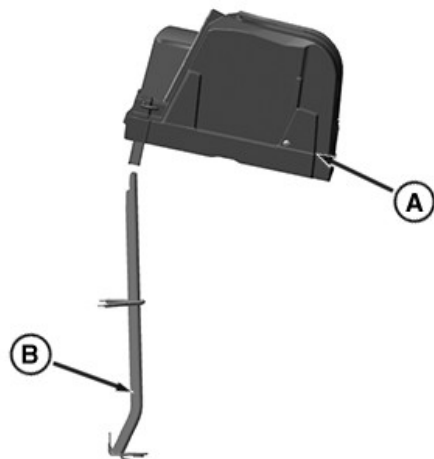
MXT015290—UN—19AUG15

- Install the supplied blades (A) for best performance.
- Secure with washer (B) and bolt (C).
- Tighten the blade bolt to 68 N·m (50 lb·ft).
- Repeat steps for the remaining blade.

sb31882,1658257120662-19-19JUL22

Assemble Hopper Top Assembly to Mounting Post

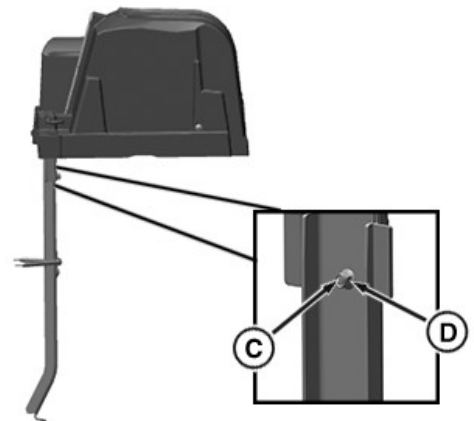
IMPORTANT: Avoid damage! Allowing the hopper to contact abrasive surfaces can cause scratching.



APY538264—UN—01JUN22

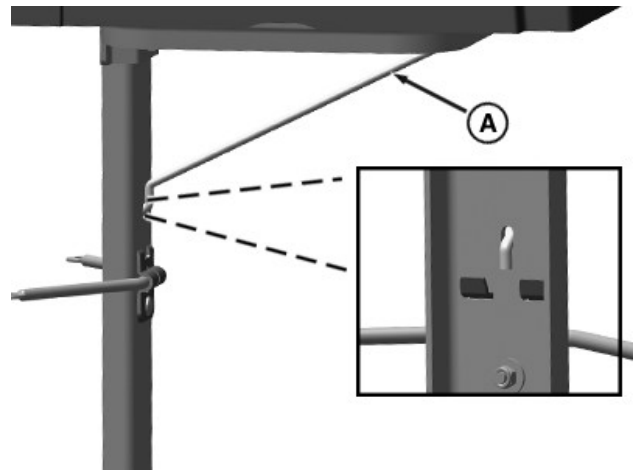


APY538265—UN—01JUN22



APY538266—UN—01JUN22

- Tip the hopper top assembly 30° backward until it touches the mounting post.
- Level the hopper top assembly (A) to slide it down onto the mounting post (B).
- Secure it using bolt (C) and nut (D).

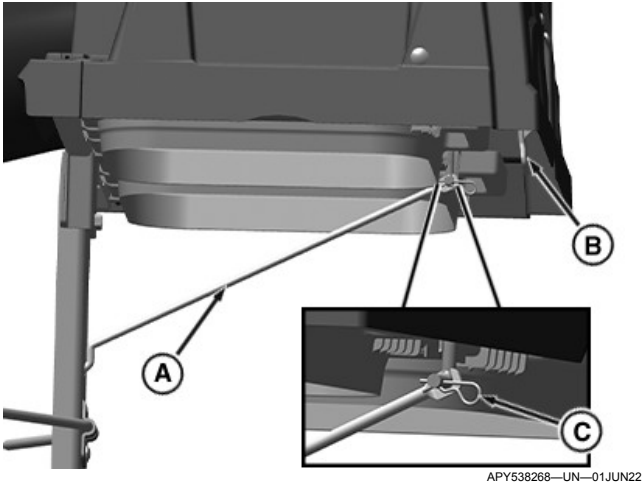


APY538267—UN—01JUN22

Front Side of the Mounting Post Wall is Shown in Right View

- Install gusset rod (A) to mounting post slot by placing the bent portion through slot. Bent end is on the front side of mounting post wall.

Installing

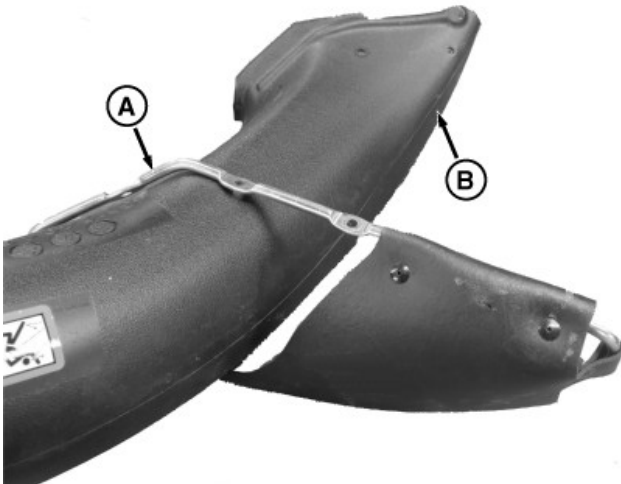


5. Raise the drilled end of the gusset rod (A) up to bracket on the hopper top assembly (B) and insert through the hole as shown.
6. Secure with spring locking pin (C).

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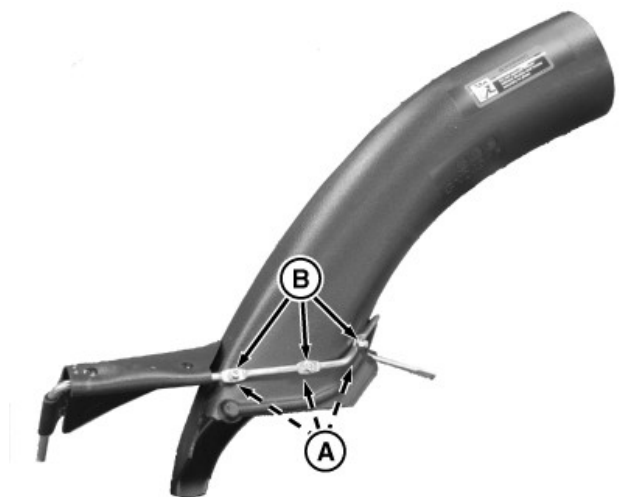
Installing MCS Lower Chute

MCS Chute Subassembly



GXT002955—UN—15MAR16

1. Position wireform and flap assembly (A) over top of lower chute (B) and slide down chute with flap on outside and wireform on inside as shown.

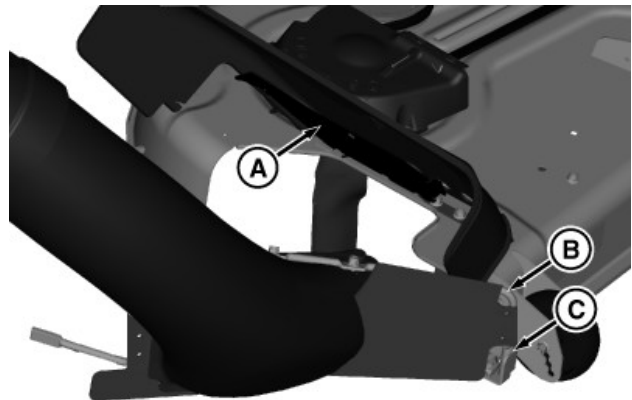


GXT002956—UN—07MAR16

2. Align three holes and install three screws (A) from inside chute and lock nuts (B) on outside over wireform flats as shown.

Chute Installation without Mulch Control Baffle

CAUTION: Avoid injury! Prevent possible thrown objects. The discharge chute assembly must fit tight against the chute hinge bracket and completely cover the discharge opening.

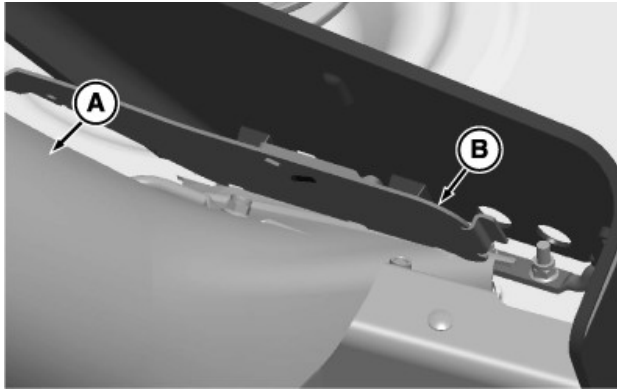


GXT002957—UN—07MAR16

1. Raise discharge chute and inner metal deflector (A). Insert lower discharge chute and wireform and flap assembly (B) into tube (C) in the toe guard.

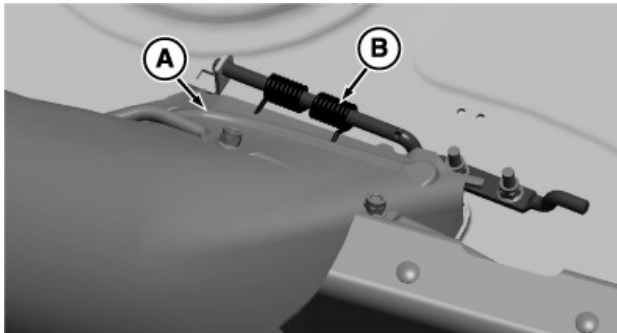
NOTE: Once chute assembly is under mower deck discharge chute, release discharge chute.

Installing



GX100129—UN—21MAY20

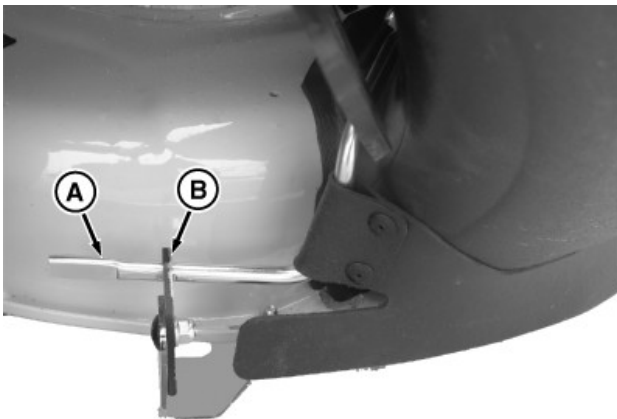
2. Rotate chute assembly (A) into mower deck opening. Lift chute slightly over the toe guard and under inner metal deflector (B).



GX100130—UN—21MAY20

Discharge chute and deflector not shown for photo clarity.

Be sure chute assembly (A) is positioned under discharge chute hinge assembly (B) and on top of deck.

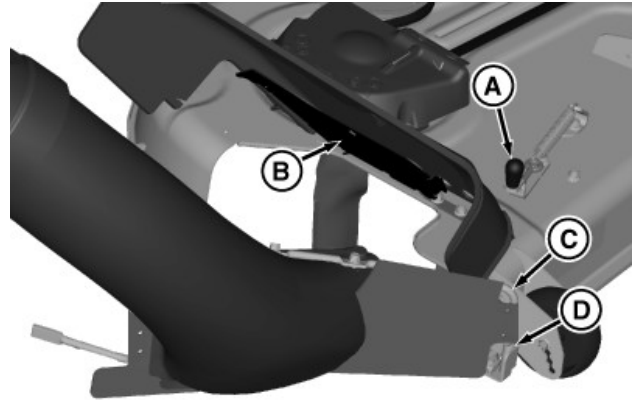


GXT002958—UN—07MAR16

3. Rotate wireform handle (A) over latch (B) at the rear of chute.
4. If the latch is tight or loose, slide latch in or outwards to adjust for desired latch or rod force. Increased force seals chute to the deck more securely, but increases installation effort.

Chute Installation with Mulch Control Baffle

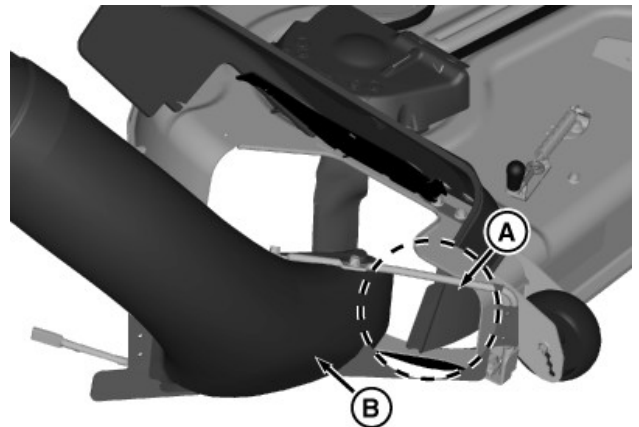
NOTE: Rotate mulch control lever (A) to the open (forward) position.



GXT002961—UN—08MAR16

1. Raise discharge chute and inner metal deflector (B). Insert lower discharge chute wireform and flap assembly (C) into tube (D) in the toe guard.

NOTE: Lower chute is behind the Mulch Control baffle, and fits tight against the baffle.

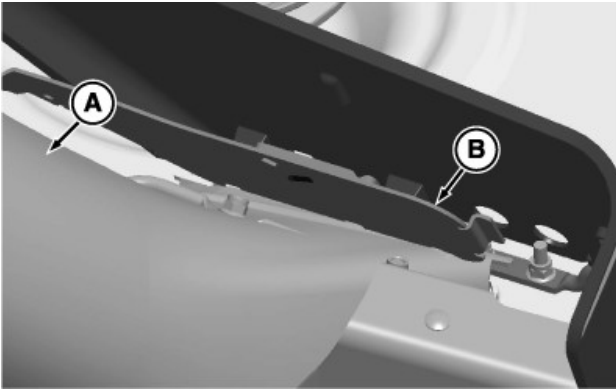


GXT002891—UN—15MAR16

2. Rotate mulch control baffle (A) back against outside of bagging chute (B).

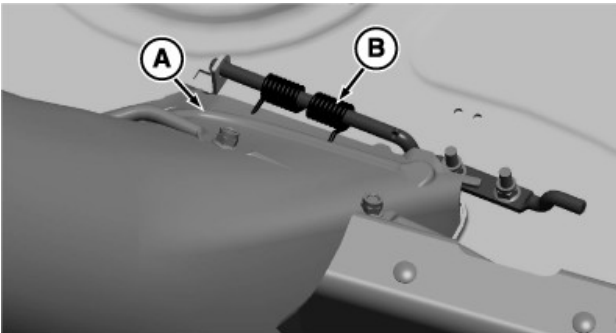
NOTE: Once chute assembly is under mower deck discharge chute, release discharge chute.

Installing



GX100129—UN—21MAY20

3. Rotate chute assembly (A) into mower deck opening. Lift chute slightly over the toe guard and under inner metal deflector (B).



GX100130—UN—21MAY20

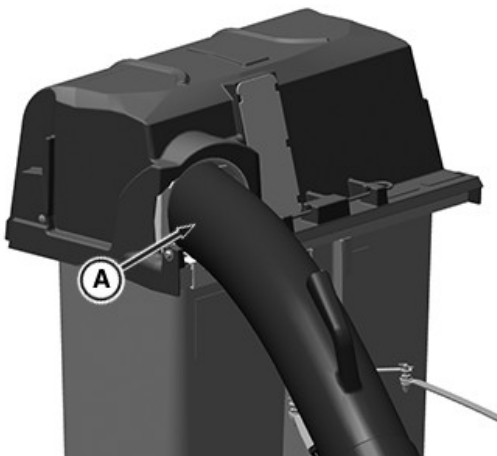
Discharge chute and deflector not shown for photo clarity.

Be sure chute assembly (A) is positioned under discharge chute hinge assembly (B) and on top of deck.

4. If switching back to mulching mode, reinstall rear mulch control section into MCS toe guard using same hardware. Mulch control plate section is not compatible with bagging chute as it causes clogging and fit issues.

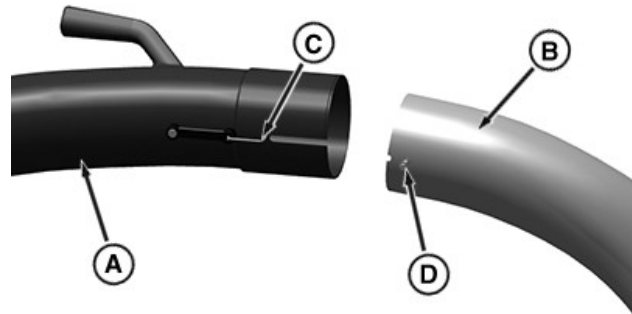
MX00654,000033E-19-21MAY20

Installing Upper Discharge Chute (42A Deck)



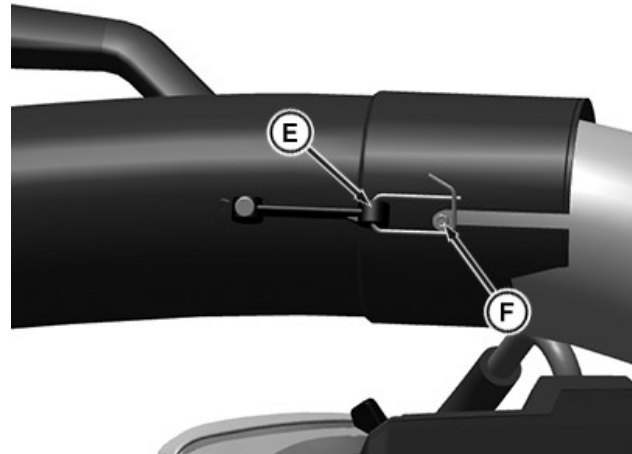
APY538285—UN—01JUN22

1. Insert the upper discharge chute (A) into the opening of hopper top.



APY538283—UN—01JUN22

2. Slide bottom (A) of the upper discharge chute over top (B) of lower chute, aligning notch (C) with bolt (D).



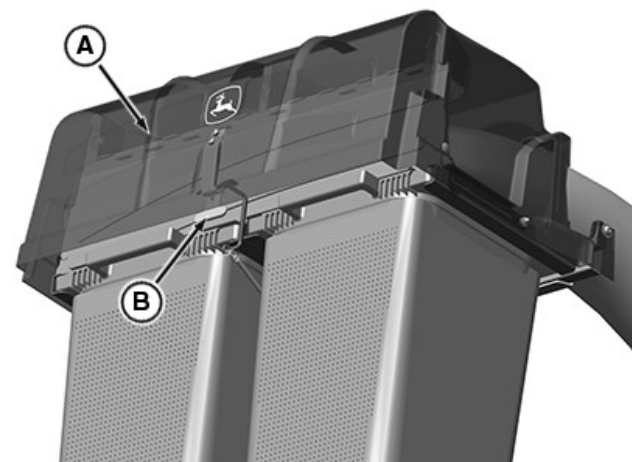
APY538284—UN—01JUN22

3. Hook rubber strap latch (E) onto bolt (F) in lower chute.

vs70618,1655386093961-19-27JUN22

Installing Bags

Opening Hopper Top

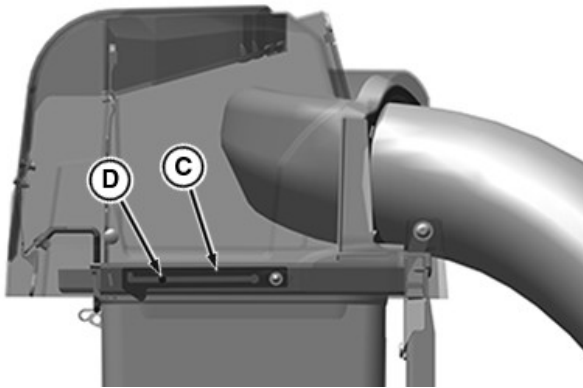


APY15474—UN—21MAR19

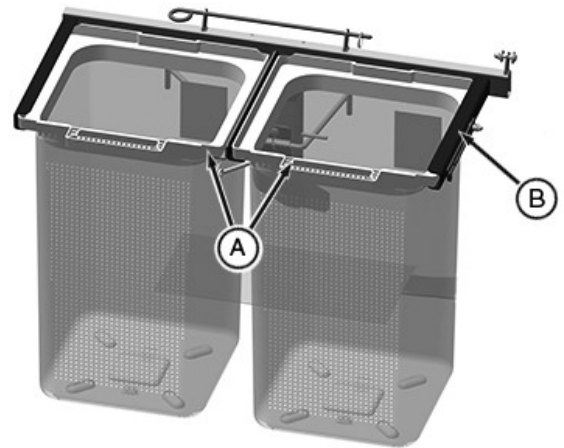
1. Open hopper top (A) by grasping latch (B) and pulling until it releases.

Installing

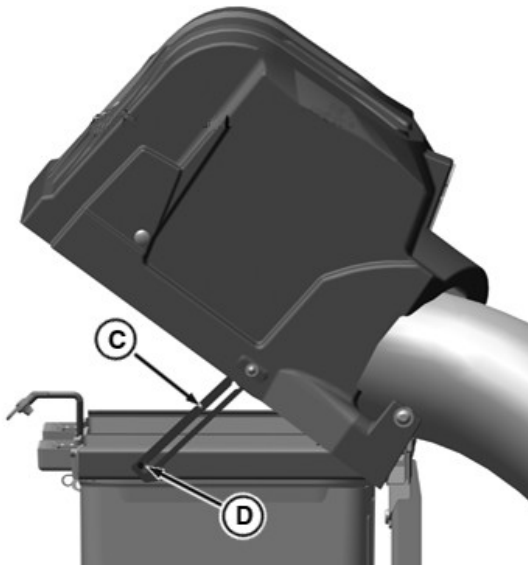
Installing Bags



Hopper top closed position

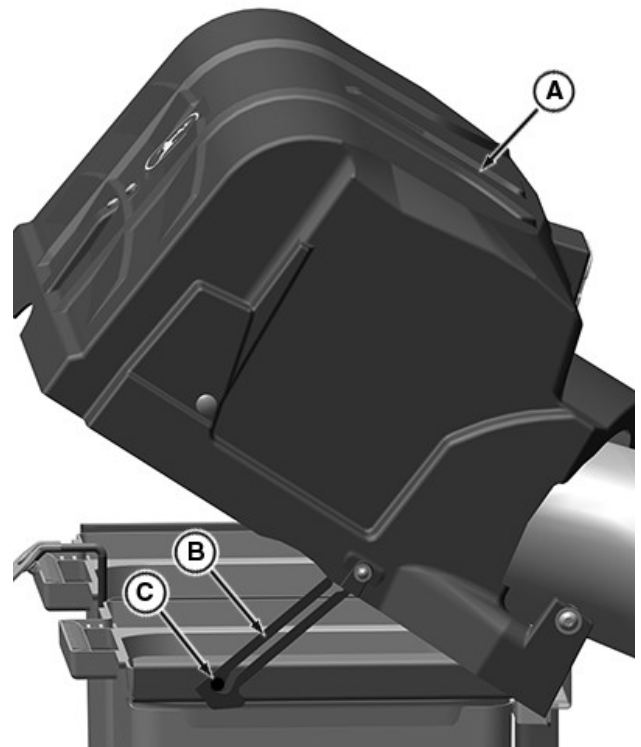


1. Install grass bags (A) by sliding into channels. Ensure bags slide all the way forward so front handle is inside the frame slots.



Hopper top open position

2. As the hopper top is raised, the bracket (C) on the hopper top opens up. When it is fully open, the bracket gets locked by the pin (D).



2. Close the hopper top (A) by releasing the bracket (B) from locking pin (C) by pulling latch backward by rounded trigger. Hold up hopper with your other hand while releasing.

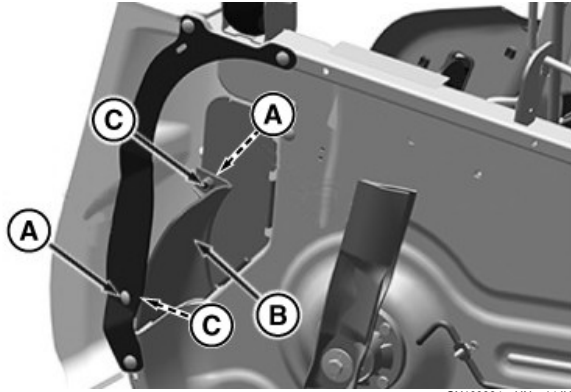
SR99263,000010E-19-19JUL22

Installation With Mulch Control Kit

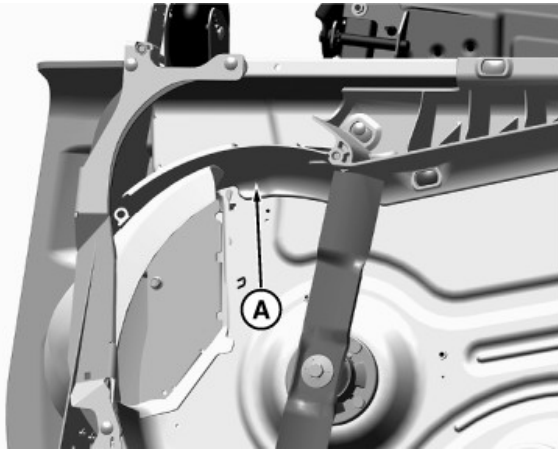
NOTE: The back mulch plate (between the toe guard and inner metal shield) must be removed before installing the discharge chute.

Remove three original M8 lock nuts, carriage bolts, and original toe guard.

Operating



1. Remove two carriage bolts (A), lock nuts (C), and the discharge plate (B) (if equipped) from the toe guard and metal chute.



2. Rotate mulch control baffle (A) forward past mid-point which will allow for easier bagging chute installation.

Operating

Getting the Best Performance from Your MCS

Bagging Tips

IMPORTANT: Avoid damage! MCS may extend beyond machine or mower. Be careful not to hit trees or buildings, etc., with hopper when you make short turns.

Run engine at full speed. If engine slows down, reduce travel speed. Bag grass only when grass is dry: Wet grass will plug chute and MCS. Keep hopper top closed.

Pick up all rocks, stones, twigs and other debris before mowing and bagging. Cut grass higher than desired the first time so mower will clear unseen obstructions that could cause damage to the mower or MCS attachment.

IMPORTANT: Avoid damage! Do not leave clippings in bags:

- Moisture may damage bags.
- Damp clippings are a fire hazard.

Never leave grass or leaves in bags overnight or for long periods of time. Dampness from leaves or grass will cause deterioration of the bags. Also, damp leaves or grass when contained in the bags are combustible and can create a fire. For this reason, never store

garbage bags of leaves or grass bagging attachment with full or partially filled bags in a garage or other enclosure. Grass clippings make excellent compost. Clippings can be used also as mulch between garden rows or around flowers, shrubs and trees.

Providing Airflow For MCS

MCS needs strong airflow from mower to bags for best performance. Follow these suggestions to help airflow:

- Keep chute, hopper top, screen, bags and underside of mower clean.
- Keep throttle lever at fast position but travel at slow speed.
- Level mower front-to-rear so rear of mower is no more than 13 mm (1/2 in) higher than front of mower.
- Operate mower in higher cutting positions.
- Replace worn or damaged mower blades.

Filling Bags

CAUTION: Avoid injury! Rotating blades can throw objects and debris. Stop engine before removing or installing discharge chute or grass catcher, or approved mulch plug or guard.

- When clippings are up to hopper top window, empty bags to avoid plugging chute. Left bag normally fills first.
- Right bag may not fill completely when you are cutting thin stand of grass. Bag will fill if you slow engine to reduce airflow.
- Fill bags 1/2 full when operating on slopes to avoid tipping.

MG39705,00001BD-19-12APR19

Unplugging Mower or Material Collection System

CAUTION: Avoid injury! Do not attempt to unplug attachment with machine running.

- Rotating blades are dangerous. Shut off the engine and remove the key before getting off the seat to inspect the machine and attachment.
- Thrown objects can cause serious injury. Make sure all machine parts are stopped before raising hopper top or removing chutes.

Checking For Plugging While Driving

If grass builds up in front of mower discharge chute, check for plugged chute or problems with blower assembly (if equipped).

If there is a trail of clippings behind mower or clippings blow to the side, check for plugged chute, full collector bags, or problems with blower assembly.

Removing Debris From Inspection Points:

CAUTION: Avoid injury! Do not use hands or feet to clear plugged mower deck or blower assembly. Stored energy can cause blades to rotate.

1. Park machine safely. Wait for all moving parts to stop before getting off to inspect machine.
2. Open hopper cover. Check chute outlet.
3. Remove chute from mower deck or blower assembly. Check chute inlet.
4. Check under mower deck for debris.

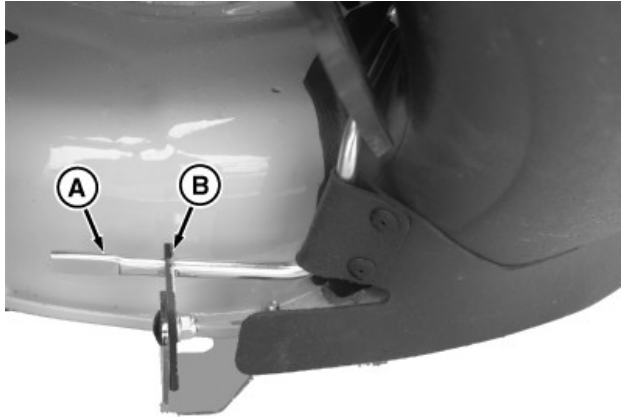
OUC0004,00009E8-19-20JUN14

Removing and Storing

Removing and Storing

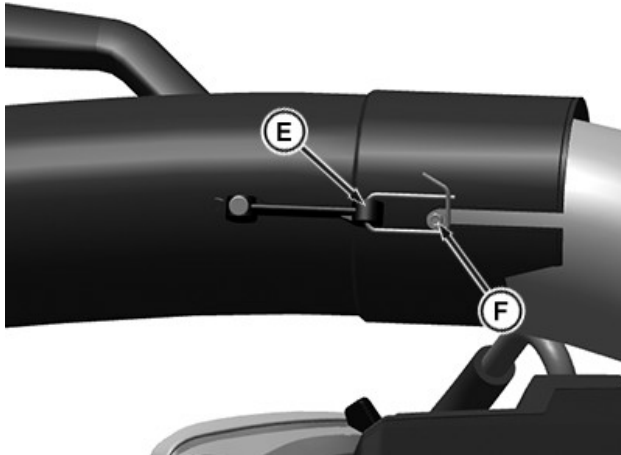
Removing MCS Assembly (42A Deck)

Removing Upper and Lower Discharge Chute



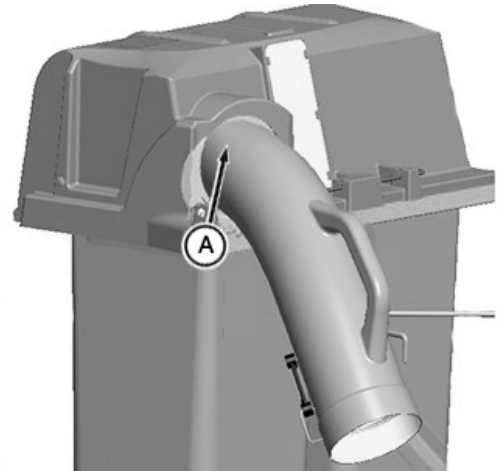
GXT002958—UN—07MAR16

1. Lift rear handle (A) over latch (B) and rotate outwards from deck. Lift discharge chute deflector and remove lower chute from mower.



APY538284—UN—01JUN22

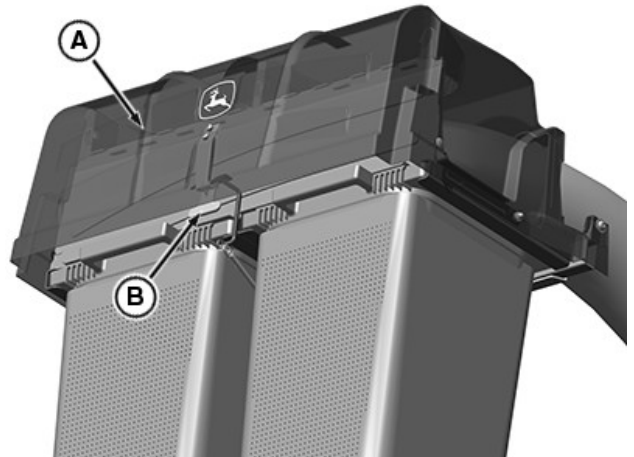
2. Unhook rubber strap latch (E) from bolt (F) in lower chute. Remove the Lower chute from the Upper chute assembly.



APY17705—UN—20FEB19

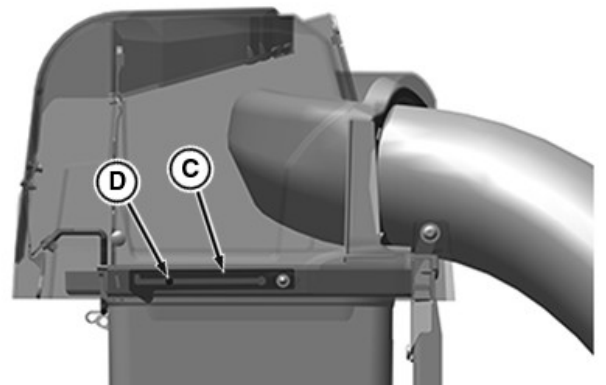
Remove the upper discharge chute (A) from the opening of hopper top.

Removing Bags



APY15474—UN—21MAR19

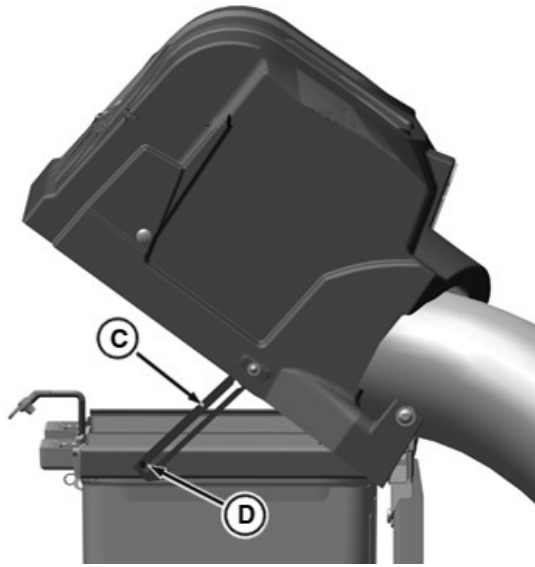
1. Open hopper top (A) by grasping latch (B) and pulling until it releases.



APY15472—UN—01APR19

Hopper top closed condition

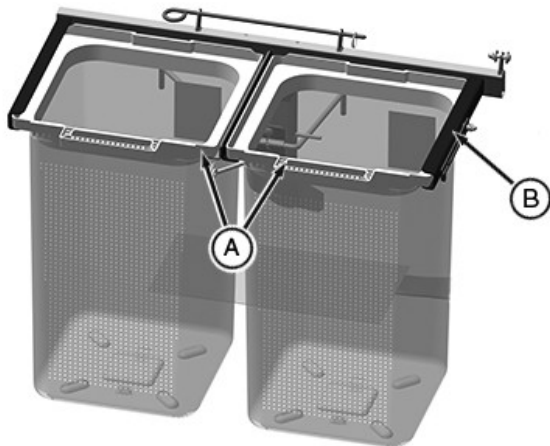
Removing and Storing



Hopper top open condition

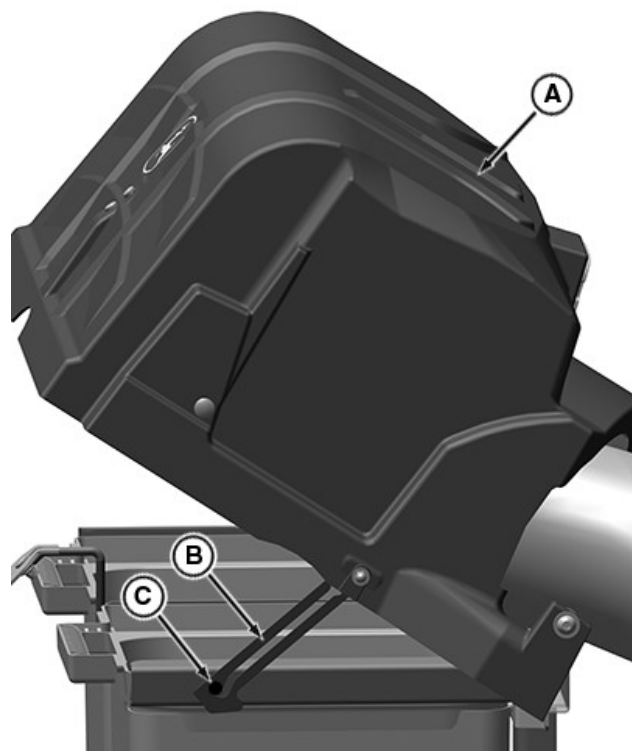
APY15478—UN—01APR19

2. As the hopper top is raised, the bracket (C) on the hopper top opens up. When it is fully open, the bracket gets locked by the pin (D).



APY17732—UN—13MAR19

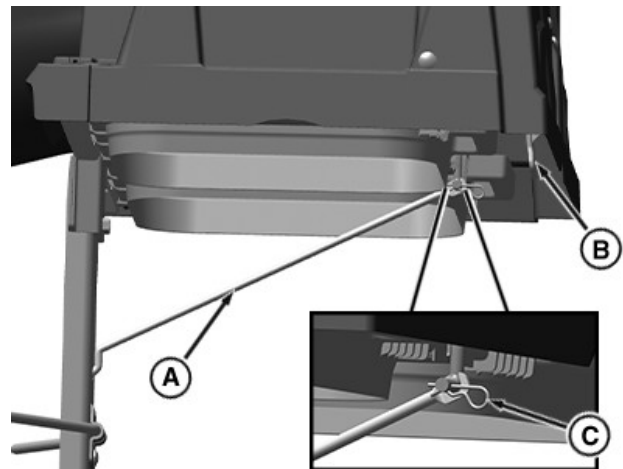
3. Remove grass bags (A) by sliding out of tabs (B).



APY24836—UN—04DEC19

4. Close the Hopper top (A) by releasing the bracket (B) from locking pin (C) by pulling latch backward by rounded trigger. Hold hopper up with other hand while releasing.

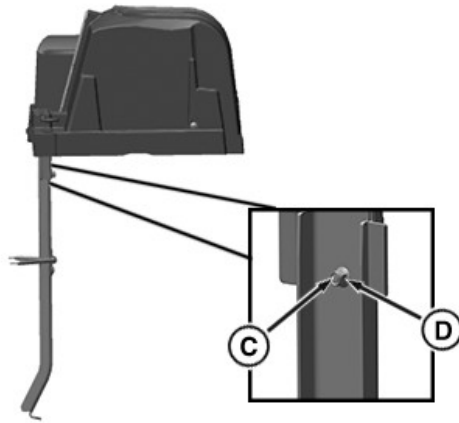
Removing Support Rod and Hopper Top Assembly



APY538268—UN—01JUN22

1. Release the spring locking pin (C). Raise hopper top (B) slightly and then remove the gusset rod (A) from hopper top assembly. Lower the gusset rod (A) to remove it from mounting post. Remove the gusset rod (A).

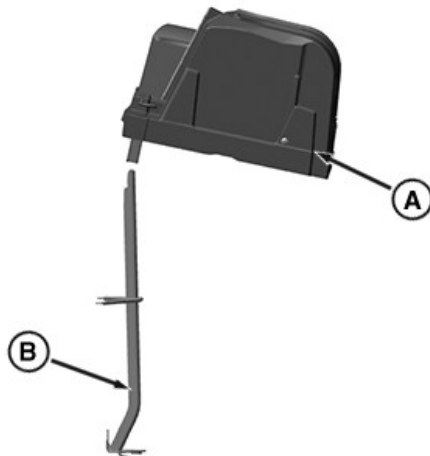
Removing and Storing



APY538266—UN—01JUN22



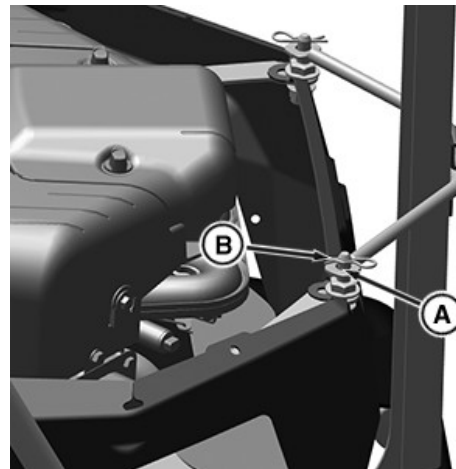
APY538265—UN—01JUN22



APY538264—UN—01JUN22

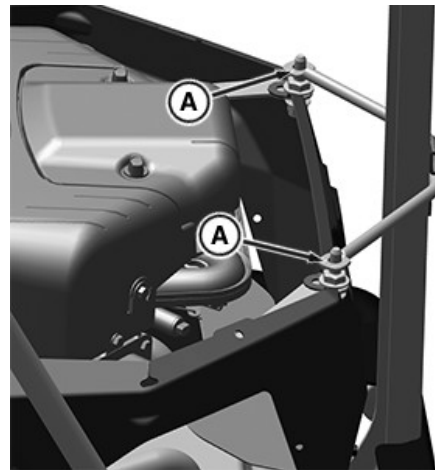
2. To remove the hopper top assembly (A), Remove spring locking pin (D) and pin (C). Slide up the hopper top assembly (A) from the mounting post (B) and remove it carefully.

Removing Mounting Post



APY538273—UN—01JUN22

1. Remove cargo pin (B) from holes in the stud securing the MCS support rod ends (A).



APY538272—UN—01JUN22

2. Raise mounting post upward toward the machine and remove MCS support rod ends (A) from the small holes in Cargo Mount™ brackets at the rear of the machine.
3. Remove mounting post.

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Storing Attachment

CAUTION: Avoid injury! Fuel vapors are explosive and flammable. Engine exhaust fumes contain carbon monoxide and can cause serious illness or death:

- Run the engine only long enough to move the machine to or from storage.
- Machine fires and structure fires can occur if a machine is stored before allowing it to cool, or if debris is not removed from around the engine and muffler, or if stored near combustible materials.
- Do not store vehicle with fuel in the tank inside a building where fumes may reach an open flame or spark.
- Allow the engine to cool before storing the machine in any enclosure.

NOTE: Some of the following steps may not apply to your attachment.

1. Remove attachment from machine.
2. Clean attachment and driveline, if equipped.

Troubleshooting

3. Remove any shields if needed to clean out all debris.
4. Repair or replace worn, bent, or damaged parts. Tighten loose hardware.
5. Apply paint to painted surfaces where needed to prevent rust.
6. Apply thin coat of grease to blades to prevent rust.
7. Lubricate any pivot points with engine oil to prevent rust.
8. Lubricate any grease points.

IMPORTANT: Avoid damage! Abrasive surfaces can damage attachment. Store attachment on non-abrasive surface or on wooden blocks.

9. If storing attachment outdoors, block up attachment if possible and place a waterproof cover over it.

JK79365,0000188-19-29JUL15

Troubleshooting

Using Troubleshooting Chart

If you are experiencing a problem that is not listed in this chart, see your Technical Manual or authorized dealer for service.

MP47322,00F467B-19-13NOV18

MCS Troubleshooting

IF	CHECK
Grass not being picked up completely.	• Mow grass only when dry. • Reduce mower ground speed. • Empty bags. • Clean screen in the hopper top. • Unplug chute. • Check cutting edge of mower blades. • Increase engine speed to full throttle. • Check for worn or slipping belt.
Collection chute plugged.	• Mow grass only when dry. • Empty bags. • Clean screen in the hopper top. • Reduce mower ground speed. • Stop mower when bags are full; monitor bags/hopper more frequently.

MG39705,00001BB-19-21MAR19

John Deere Quality Statement

John Deere Quality Statement

John Deere Quality

John Deere equipment is more than just a purchase, it's an investment in quality. That quality goes beyond our equipment to your John Deere dealer's parts and service support. This support is needed to keep you a satisfied customer.

That's why John Deere has initiated a process to handle your questions or problems, should they arise. The following three steps will help guide you through the process.

Step 1

Refer to your operator's manual

- A. It has many illustrations and detailed information on the safe and proper operation of your equipment.
- B. It gives troubleshooting procedures, and specification information.
- C. It gives ordering information for parts catalogs, service and technical manuals.
- D. If your questions are not answered in the operator's manual, then go to Step 2.

Step 2

Contact your dealer

- A. Your John Deere dealer has the responsibility, authority, and ability to answer questions, resolve problems, and fulfill your parts and service needs.
- B. First, discuss your questions or problems with your dealer's trained parts and service staff.
- C. If the parts and service people are unable to resolve your problem, see the dealership manager or owner.
- D. If your questions or problems are not resolved by the dealer, then go to Step 3.

Step 3

Contact John Deere

A. Your John Deere dealer is the most efficient source in addressing any concern, but if you are not able to resolve your problem after checking your operator's manual and contacting your dealer, contact John Deere for assistance.

B. For prompt, effective service, please have the following ready before you call:

- The name of the dealer with whom you've been working.
- Your equipment model number.
- Number of hours on machine (if applicable).
- Your serial number which you recorded on the inside front cover of this manual.
- If the problem is with an attachment, your attachment identification number.

C. Then call 1-800-537-8233 (United States and Canada) and our advisor will work with your dealer to investigate your concern. If you are outside the United States and Canada, visit the following website:

<https://www.deere.com/en/global-country-selector/>

Select your country and then click on the Contact Us link at the bottom of the page.

SP66632,00043A7-19-17MAY22

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