

Blower and 3 Bag Material Collection System

(Serial No. 010001 -)



JOHN DEERE

OPERATOR'S MANUAL

Blower and 3 Bag Material Collection System

OMUC22468 ISSUE I9 (ENGLISH)

CALIFORNIA

Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

If this product contains a gasoline engine:



WARNING

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

The State of California requires the above two warnings.

Additional Proposition 65 Warnings can be found in this manual.

John Deere Turf Care

North American 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 entire operator's manual, especially the safety information, before operating.

This manual is an important part of your machine. Keep all manuals in a convenient location so they can be accessed easily.

Use the safety and operating information in the attachment operator's manual, along with the machine operator's manual, to operate and service the attachment safely and correctly.

If your attachment manual has a section called Preparing the Machine, it means that you will have to do something to your tractor or vehicle before you can install the attachment. The Assembly and Installation sections of this manual provide information to assemble and install the attachment to your tractor or vehicle. Use the Service section to make any needed adjustments and routine service to your attachment.

If you have any questions or concerns with the assembly, installation, or operation of this attachment, see your local John Deere dealer or call the John Deere Customer Contact Center at 1-800-537-8233 for assistance.

Warranty information on this John Deere attachment can be found in the warranty that came with your John Deere tractor or vehicle.

TH84124,00000D9-19-23MAY13

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/?cid=VURL_TechInfoStore
or call:

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

TH84124,0000199-19-15AUG17

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 <http://JDParts.deere.com> for your Internet connection to parts ordering and information.

TC00531,00000E9-19-06MAR15

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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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Product Identification

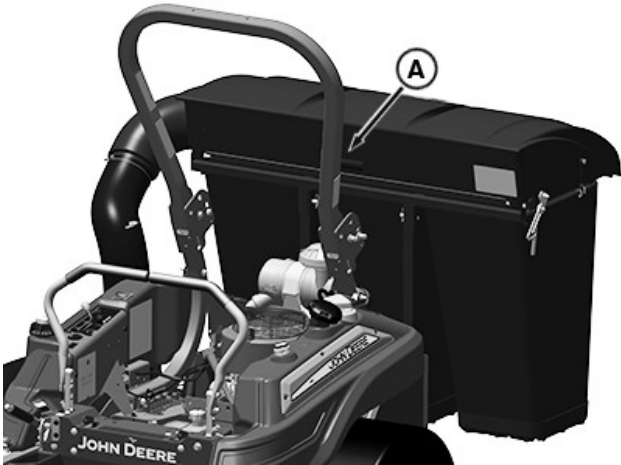
Product Compatibility

- The blower and rear bagger are compatible with Z915E, Z920M, Z925M, Z930M, Z945M, Z950M, Z955M, Z955R, Z960M, Z930R, Z950R, Z970R models.

MG39705,000016E-19-18SEP19

Record Identification Numbers

Hopper



APY15459—UN—27MAR19

Seat removed for photo clarity

Serial Number (010001 -)

If you need to contact an Authorized Service Center for information on servicing, always provide the product model and serial number.

You will need to locate the serial number (A) for the attachment. Record the information in the spaces provided below.

DATE OF PURCHASE:

DEALER NAME:

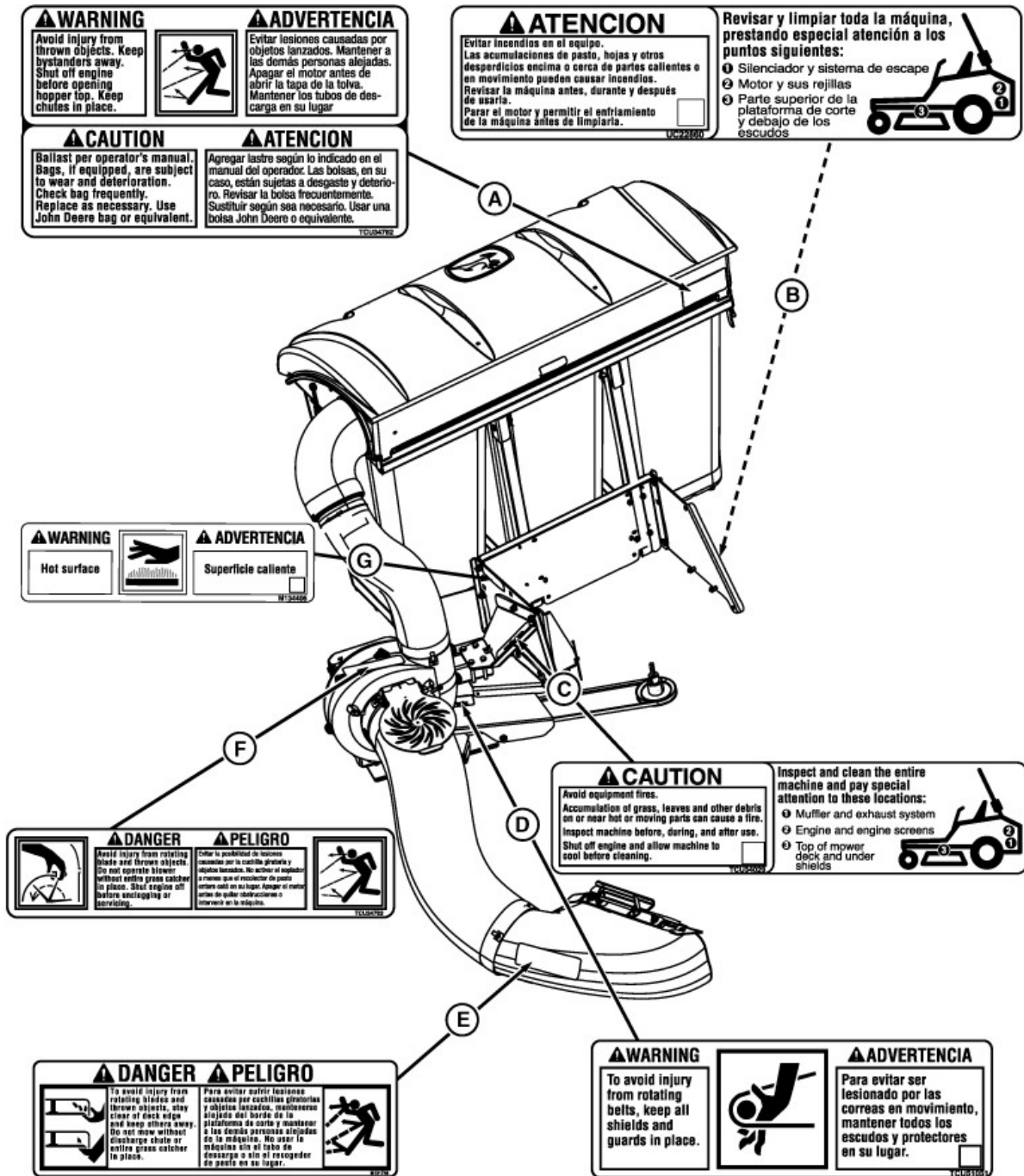
DEALER PHONE:

PRODUCT SERIAL NUMBER (A):

MG39705,000016F-19-02APR19

Safety Labels

Safety Label Location



A—TCU34782 (WARNING/CAUTION)
 B—UC22860 (CAUTION)
 C—TCU34029 (CAUTION)
 D—TCU51051 (WARNING)

E—M131748 (DANGER)
 F—TCU34783 (DANGER)
 G—M134406 (WARNING)

APY15468—UN—03APR19

MX00654,00002D9-19-03APR19

Safety Labels

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

MX00654,00001FD-19-12SEP18

WARNING / CAUTION



TCU34782
TCAL45466—UN—08APR13

WARNING

To avoid injury from thrown objects. Keep bystanders away. Shut off engine before opening hopper top. Keep chutes in place.

CAUTION

Ballast per operator's manual. Bags, if equipped, are subject to wear and deterioration. Check bag frequently. Replace as necessary. Use John Deere bag or equivalent.

AP43109,0000185-19-05DEC15

WARNING

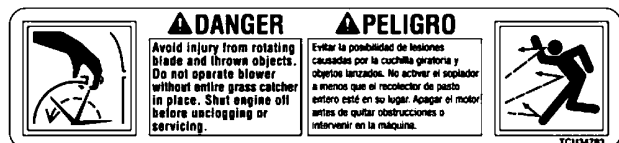


TCAL45468—UN—08APR13

To avoid injury from rotating belts, keep all shields and guards in place.

AP43109,0000187-19-05DEC15

DANGER



TCAL45464—UN—08APR13

Avoid injury from rotating blade and thrown objects. Do not operate blower without entire grass catcher in place. Shut engine off before unclogging or servicing.

AP43109,0000183-19-05DEC15

Safety Labels

WARNING



APY18501—UN—28MAR19

Hot surface.

SR99263,0000132-19-28MAR19

DANGER

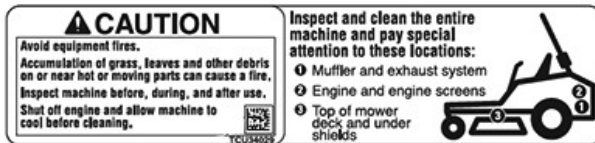


APY18502—UN—28MAR19

To avoid injury from rotating blades and thrown objects, stay clear of deck edge and keep others away. Do not mow without discharge chute or entire grass catcher in place.

SR99263,0000133-19-28MAR19

CAUTION



APY18503—UN—28MAR19

Avoid equipment fires.

Accumulation of grass, leaves, and other debris on or near hot or moving parts can cause a fire.

Inspect machine before, during, and after use.

Shut off engine and allow machine to cool before cleaning.

Inspect and clean the entire machine and pay special attention to these locations:

1. Muffler and exhaust system.
2. Engine and engine screens.
3. Top of mower deck and under shields.

SR99263,0000134-19-02APR19

Safety

Read Safety in Machine Operator's Manual

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

OUMX068,00004DC-19-19DEC13

Operating Safely

Read, understand and follow all instructions in this attachment manual, the machine operator's manual and safety signs on equipment before starting.

Use proper front ballast. Remove ballast when the material collection system is removed.

Hopper extends beyond machine. Be aware of surrounding objects when making short turns.

Do not operate material collection system unless entire grass catcher is fastened in place with hopper securely installed.

Do not let anyone ride on the mower or material collection system. Riders are subject to injury such as being struck by foreign objects or being thrown off. Riders may obstruct the operator's view and cause a collision.

Before hopper removal or installation:

- Stop mower.
- Disengage mower or PTO.
- Stop engine and remove key.
- Wait for engine and all moving parts to stop before leaving the operator seat.

Before backing up machine:

- Stop machine.
- Look behind hopper for children or others.
- Keep bystanders away when unloading material collection system.

Operate safely on slopes:

- Empty MCS when half full.
- Do not operate on steep slopes.
- Before turning, slow down.
- Avoid sudden starts and stops.
- Do not park machine with material collection system on slopes.

Hose Maintenance:

- Hose is subject to wear and deterioration.
- Check hose frequently; replace when necessary.

- Use John Deere hose or equivalent to comply with safety specifications.

OUMX068,00004DD-19-25MAR19

Parking Safely

1. Stop machine on a level surface, not on a slope.
2. Disengage mower blades or any other attachments.
3. Lower attachments to the ground.
4. Lock the park brake.
5. Stop the engine.
6. Remove the key.
7. Wait for engine and all moving parts to stop before you leave the operator's seat.
8. Close fuel shut-off valve, if your machine is equipped.
9. Disconnect the negative battery cable or remove the spark plug wire(s) (for gasoline engines) before servicing the machine.

OUMX068,00004DE-19-19DEC13

Protect Children

- Tragic accidents can occur if the operator is not alert to the presence of children. Keep children indoors when the machine and attachment are operated and under the watchful care of another responsible adult.
- Never assume that children will remain where you last saw them. Stay alert to the presence of children. Turn the machine off if a child enters the work area.
- Do not let children or an untrained person operate the machine.
- Do not carry or let children ride on any attachment or machine even with the attachment off. Do not tow children in a cart or trailer.

OUMX068,00004DF-19-19DEC13

Avoid Injury From Thrown Objects



TCAL41689—UN—08APR13

- When operating the vehicle with the MCS attachment installed make sure all chutes and hoses are securely in place. Keep hopper closed or MCS in operating position.

Safety

- Stop the engine and wait for all moving parts to stop before removing or lifting any attachment components.
- Avoid injury from impeller blades and thrown objects. Remove attachment when operating vehicle in side discharge mode. Make sure deflector shield is in place on mower deck if attachment is removed.

OUMX068,00004E0-19-19DEC13

- Never run engine unless park brake is locked.
- Keep all parts in good condition and properly installed. Fix damage immediately. Replace worn or broken parts. Replace all worn or damaged safety and instruction decals.
- Check all hardware at frequent intervals to be sure the equipment is in safe working condition.
- Do not modify machine or safety devices. Unauthorized modifications to the machine or attachment may impair its function and safety.

OUMX068,00004E2-19-19DEC13

Avoid Injury From Rotating Blades



TCAL46317—UN—15APR13

- Keep hands and feet away from rotating blades and blower assembly when engine is running.
- Stop engine and wait for moving parts to stop before servicing components.
- Do not operate MCS or blower unless all attachment components are in place and latched.

OUMX068,00004E1-19-19DEC13

Practice Safe Maintenance

- Only qualified, trained adults should service this machine.
- Understand service procedure before doing work. Keep area clean and dry.
- Do not operate the engine in a confined space where dangerous carbon monoxide fumes can collect.
- Never lubricate, service or adjust the machine or attachment while it is moving. Keep safety devices in place and in working condition. Keep hardware tight.
- Keep hands, feet, clothing, jewelry, and long hair away from any moving parts, to prevent them from getting caught.
- Lower any attachment completely to the ground or to an existing attachment mechanical stop before servicing the attachment. Disengage all power and stop the engine. Lock park brake and remove the key. Let machine cool.
- Disconnect battery or remove spark plug wire (for gasoline engines) before making any repairs.
- Before servicing machine or attachment, carefully release pressure from any components with stored energy, such as hydraulic components and springs.
- Release hydraulic pressure by lowering attachment or cutting units to the ground or to a mechanical stop and move hydraulic control levers.
- Securely support any machine or attachment elements that must be raised for service work. Use jack stands or lock service latches to support components when needed.

Preparing Vehicle

Checking Tire Pressure

Check tire pressure of machine before installing bagger. See your machine operator's manual.

AP43109,0000191-19-05APR13

Installing Proper Mower Blades

IMPORTANT: When replacing mower blades, always use genuine John Deere Service Parts.

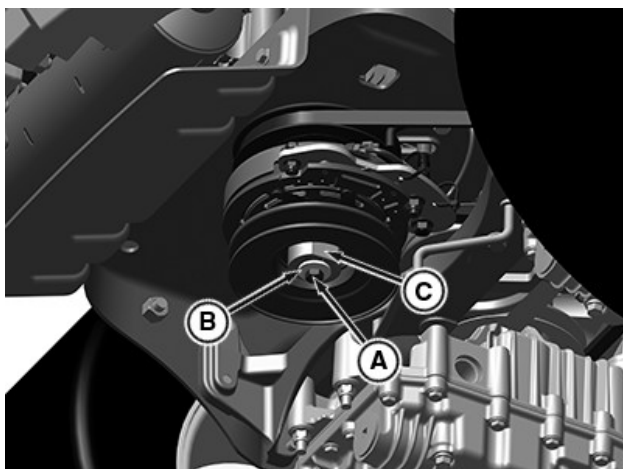
- For best performance, always use correct mower blade for job being performed.
- Always follow safety and service instructions in the machine operator's manual when changing mower blades.

For maximum performance from your material collection system (MCS), install the correct mower blades for your application.

AP43109,0000192-19-16DEC15

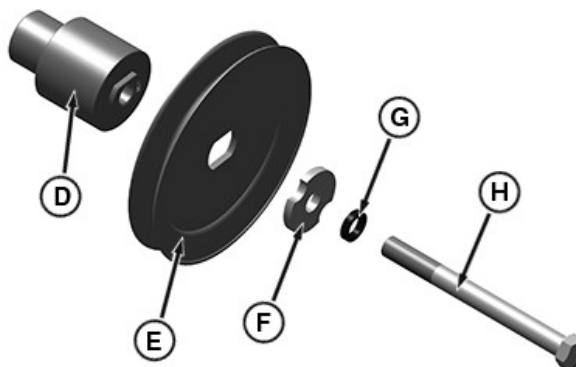
Install Pulley and Spacer

IMPORTANT: Avoid machine damage! Support clutch assembly during hardware removal so it does not fall.

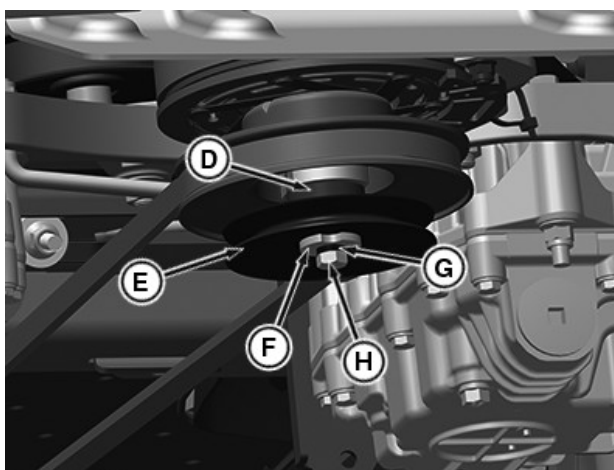


APY15441—UN—18MAR19

1. Loosen and remove the bolt (A), the washer (B), and the bushing (C).



APY15442—UN—18MAR19



APY15443—UN—18MAR19

2. Loosely assemble engine pulley bushing (D) and engine pulley (E) to PTO clutch pulley and fasten using clamp washer (F), lock washer (G), and hex bolt (H).

IMPORTANT: Avoid machine damage! Do not over tighten hex bolt.

3. Insert a screw driver through hole in engine pulley bushing (D) to hold it in place. Tighten hex bolt (H) to:

Specification

Hex bolt (H)—Torque. 74 N·m
(55 lb·ft)

MG39705,0000170-19-24MAY19

Installing Weight Bracket

Parts in Kit (Weight Bracket)

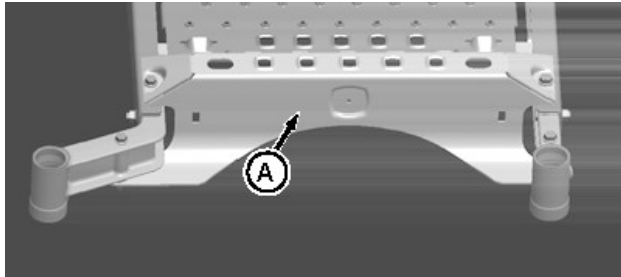
Qty.	Description
1	Bracket, Weight
2	Carriage Bolt, M12x50
2	Locknut, Flange
2	Backing Plate, Square

Preparing Vehicle

Qty.	Description
2	Backing Plate, 50 x 80 mm (2 x 3.1 in)
2	Screw, M12x130
2	Nut, M12, Flange, Prevailing Torque
2	Rod
4	Pin

1. Park machine safely. (See Parking Safely in the SAFETY section.)

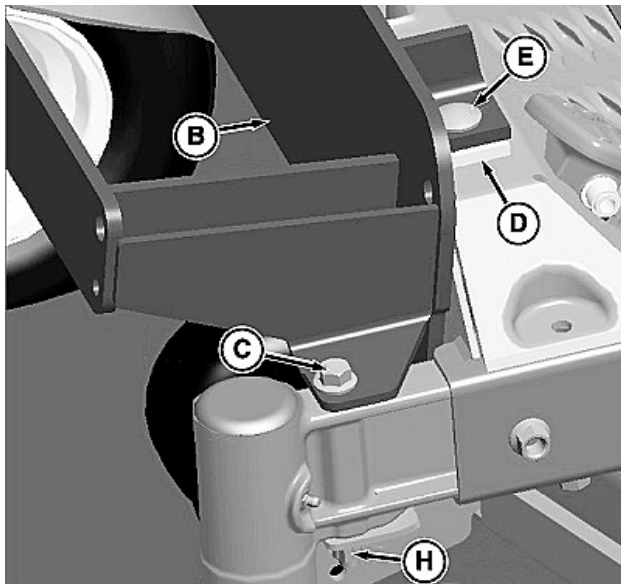
NOTE: Secure and support vehicle as required. Take all safety precautions.



TCT013245—UN—14DEC15

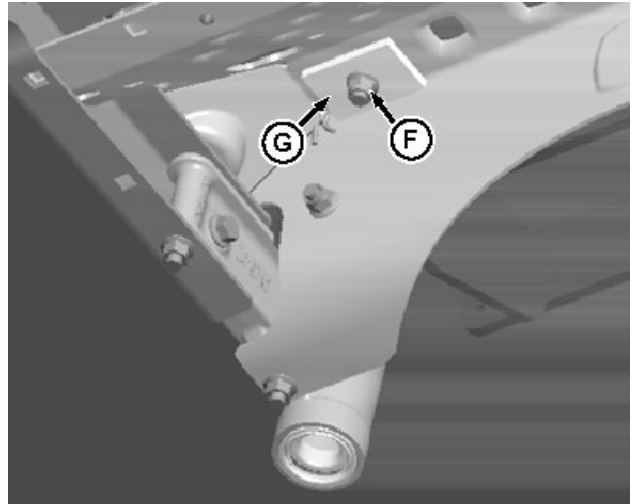
Front caster wheels not shown for photo clarity only.

2. Clean front cross-member (A) area of any debris.



TCT013110—UN—19MAR18

3. Center weight bracket (B) on cross-member.
4. Align front mounting holes of the weight bracket (B) with the holes in the cross-member.
5. Install M12x130 screws (C) and M12 prevailing torque nuts (H). Do not tighten at this time.
6. Place square backing plates (D) under upper mounting tabs of the weight bracket.
7. Install M12x50 carriage bolts (E) through top of the weight bracket. Do not tighten.



TCT013247—UN—14DEC15

8. Install 50 x 80 mm (2 x 3.1 in) backing plates (G) and nuts (F).
9. Tighten M12x50 carriage bolts (E) and then the M12x130 screws (C) to 80 lb·ft (108 N·m).

MX00654,0000343-19-18MAR19

Assembly

Rear Bagger Parts List

Qty.	Description
1	Bracket, Lower Mounting Assembly MCS
1	Bracket, Lower Mounting MCS Frame
1	Support, Left Hopper Frame
1	Support, Right Hopper Frame
1	Bracket, Upper Arm Mounting, Left Assembly
1	Door Assembly, MCS
3	Hinge, MCS Door
3	Pin, M10x60
5	Ring, Locking
23	Carriage Bolt, M10x25
27	Locknut, M10 (13.5 mm Thick)
1	Door Assembly, MCS
3	Bag, HD 3 Bag Bagger With Handle
3	Frame, Bag
2	Strap
2	Hook
2	Flange Head Bolt, M6x30
2	Washer, 0.281 x 0.625 in
13	Locknut, M6
1	Seal, MCS Door
3	Flange Head Bolt, M6x20
2	Carriage Bolt, M12x35
2	Washer, 8.4 mm (ID)
2	Locknut, M8
2	Bushing, Idler Arm Pivot
8	Carriage Bolt, M6x20
16	Washer, 10.5 mm (ID)
8	Flange Head Bolt, M10x70
2	Hook, Hood
1	Hopper Assembly
1	Structural Tube, Upper Arm
1	Latch, Left MCS
1	Latch, Right MCS
2	Shoulder Pin
2	Washer, 20 mm (ID)
2	Cotter Pin, M4x32
4	Locknut, M10 (10 mm Thick)

MX00654,00002DF-19-17JUL19

1	Hardware Bag / Wiring Harness
1	Rear Frame Bracket
1	Blower Cone Assy. w/ Snap Fasteners / 9"
1	Hardware Bag / Engine Pulley
1	Idler Mount Assy.
1	Belt Guard Bracket
1	Drive Assy. w/ Snap Fasteners / 4-Blade
1	Top Bracket / Mount Arm
1	Bottom Bracket / Mount Arm
1	6" Hose Clamp
1	Frame Gusset
1	Receiver Tube Assy. / Mount Arm
1	Weight Kit

MX00654,00002E0-19-01APR19

Bagger Parts List

Qty.	Description
1	Bagger Top Assembly
1	Hardware Bag / Vac Kit
1	Inlet
1	Upper Frame Assembly
3	Bag Ring
3	HD Collection Bag
2	Lower Mount Tube

MX00654,00002E1-19-17JUL19

Boot Kit Parts List

48 inch and 54 inch Side Discharge Deck

Qty.	Description
1	Boot with Snap Fasteners
1	Boot Plate
1	Hardware Bag

60 inch and 72 inch Side Discharge Deck

Qty.	Description
1	Boot with Snap Fasteners
1	Boot Plate
1	Hardware Bag

48, 54 and 60 inch MOD Deck

Qty.	Description
1	Boot with Snap Fasteners
1	Discharge Bracket 48" & 54"
1	Discharge Bracket 60"
1	Boot Plate
1	Boot Plate Adapter

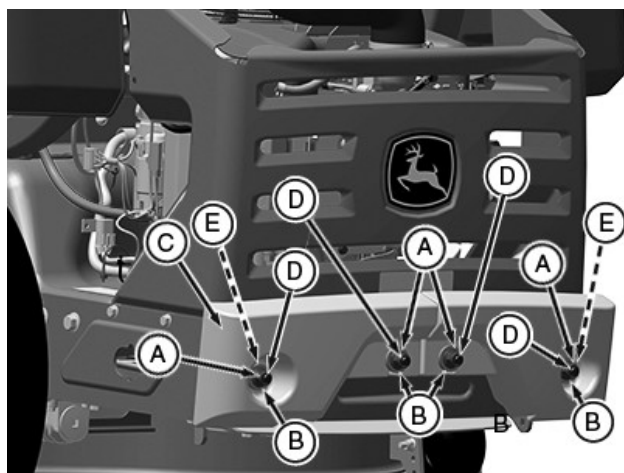
Mounting Parts List

Qty.	Description
1	Left Frame Bracket
1	Right Frame Bracket
1	Lower Hose / 9" x 40"
1	Upper Hose / 6" x 33"
1	Hardware Bag / Mount Kit

Remove Rear Bumper Weights (If Equipped)

1. Park machine safely. (See Parking Safety in the SAFETY section.)

CAUTION: Avoid Injury! Bumper weighs approximately 90 lb. John Deere recommends that two people remove the bumper from a machine.



APY16215—UN—10JAN19

Remove four M12 locknuts (A) one at a time, along with four washers (B).

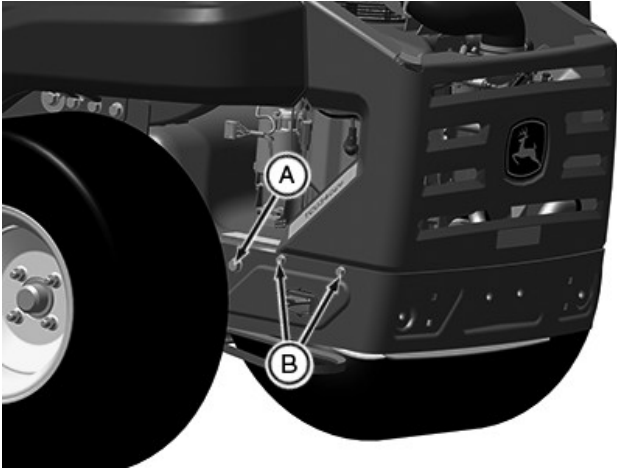
3. Remove rear bumper (C).
4. Remove four studs (D) along with two spacer (E), and additional nut on rear of frame.
5. Store weights in a safe dry place for later use when MCS is removed from machine.

Installing

Install Frame Assembly

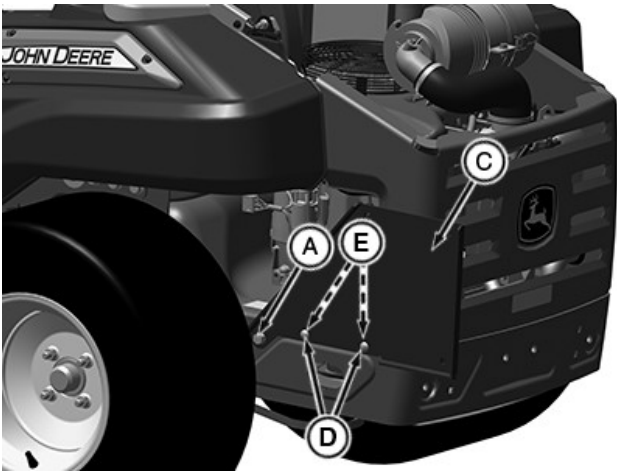
Install Left Frame Bracket

NOTE: Store parts for later use when MCS is removed.



APY15446—UN—18MAR19

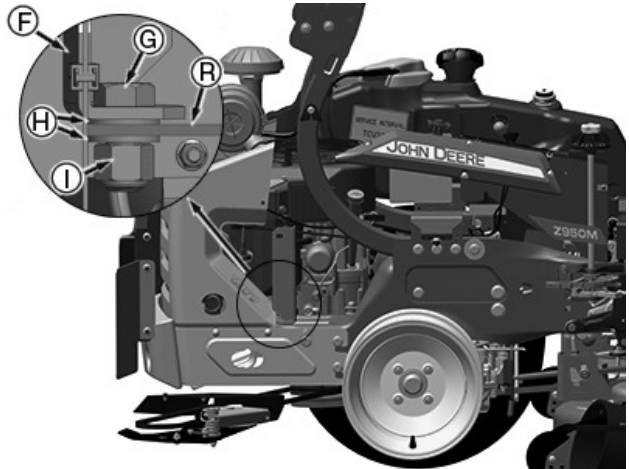
1. Remove M12x30 metric bolt (A) and screws (B) from the left side of the rear bumper of the machine.
2. Align the bottom bolt holes of the left frame bracket on the left side of the rear bumper.



APY16220—UN—20MAR19

3. Loosely secure the left frame bracket (C) using the pre-existing M12x30 metric bolt (A), carriage bolts (5/16"-18x1) (D), and flange lock nut (E).

Install Frame Gusset Installation



APY18504—UN—01APR19

1. Position the frame gusset (F) on the chassis of the machine as shown.

NOTE: The next installation will secure the top of the frame gusset.

2. Align bolt hole of the frame gusset to the bolt (G).
3. Loosely secure the frame gusset (F) and plate (R) to the chassis of the machine using bolt (G), flat washers (H), and nut (I).

Install Right Frame Bracket

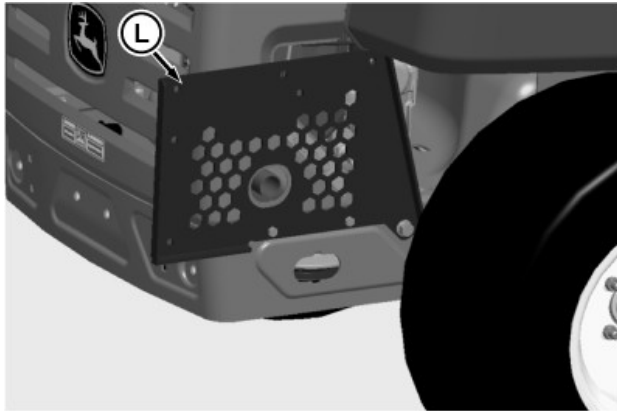
NOTE: Store parts for later use when MCS is removed.



APY15447—UN—19MAR19

1. Remove the M12x30 metric bolt (J) and screws (K) from the right side of the rear bumper of the machine.
2. Align the bottom bolt holes of the right frame bracket on the right side of rear bumper.

Installing



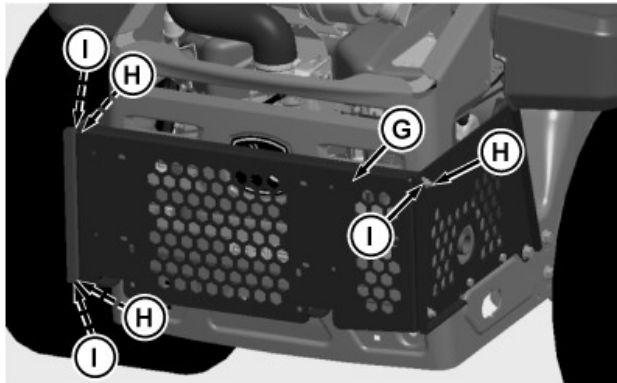
TC100912—UN—30JUN19

3. Loosely secure the right frame bracket (L) using the pre-existing M12x30 metric bolt (J).

Install Rear Frame Bracket

1. Position and align the bolt holes on either side of the rear frame bracket on the left and right frame bracket.

NOTE: Make sure that the bottom tabs of the rear frame bracket are pointing away from the mower.



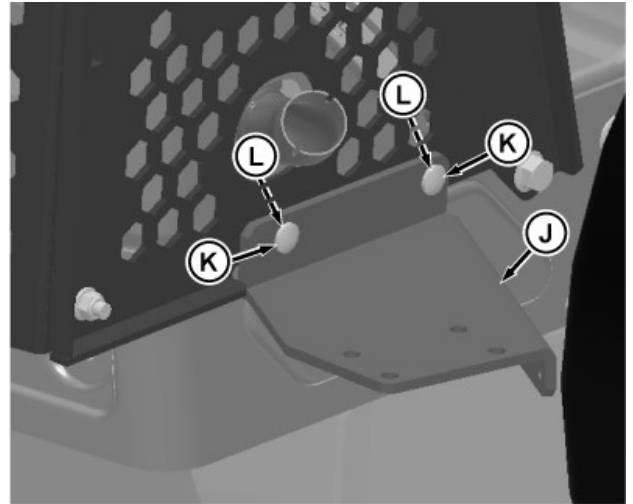
TC100917—UN—30JUN19

2. Secure the rear frame bracket (G) using carriage bolts (H) and flange lock nuts (I).

NOTE: Lower right bracket hardware will be installed later during Exhaust Deflector installation.

Install Bottom Bracket / Mount Arm

1. Align the bolt holes of the bottom bracket / mount arm to the bottom bolt holes of the right frame bracket.



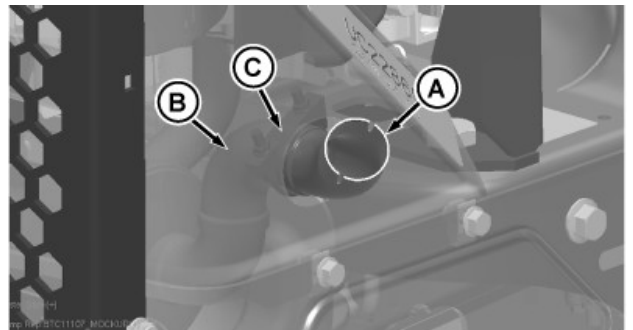
TC100918—UN—30JUN19

2. Loosely secure the bottom bracket / mount arm (J) by using carriage bolts (K) and flange lock nuts (L).

Install Exhaust Diverter

NOTE: Make sure to use correct side of exhaust diverter and as each end is a different size as per mower exhaust size.

Position diverter through the mount arm assembly to ensure exhaust blows to the rear, and is not facing the PTO assembly or the ground. Make sure that the diverter is centered between, and not resting on the top or bottom mount arms.



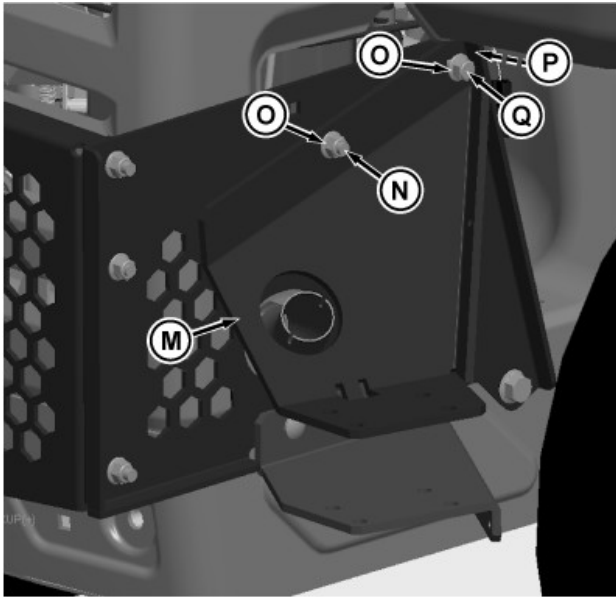
TC100921—UN—30JUN19

1. Attach exhaust diverter (A) to the engine exhaust pipe (B).
2. Loosely secure the exhaust diverter (A) using clamp kit (C).

Install Top Bracket / Mount Arm

1. Align the bolt holes of the top bracket / mount arm to the top bolt holes of the right frame bracket.

Installing



TC100919—UN—30JUN19

- Loosely secure the top bracket / mount arm (M) by using carriage bolt (N), carriage bolt (Q), and flange lock nuts (O).
- Loosely secure the frame gusset (P) along with the right frame bracket and top bracket / mount arm (M).

Tighten Hardware

Tighten hardware in the following order:

- Left frame bracket
- Right frame bracket
- Bottom bracket / mount arm
- Top bracket / mount arm
- Frame gusset to:

Specification

Frame Gusset Bolt—Torque. 360 N·m (266 lb·ft)

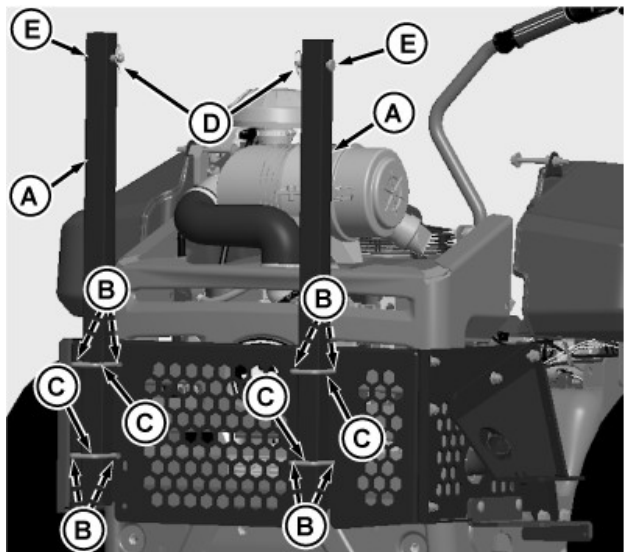
- Rear bracket

IMPORTANT: Before tightening, rotate exhaust diverter so that tip is centered in top bracket / mount arm cutout and is aiming exhaust outwards and not directly at PTO assembly or collection bags.

- Exhaust diverter clamp kit

SR99263,00000F7-19-19JUL19

Install Tube Assembly



TC100920—UN—05JUL19

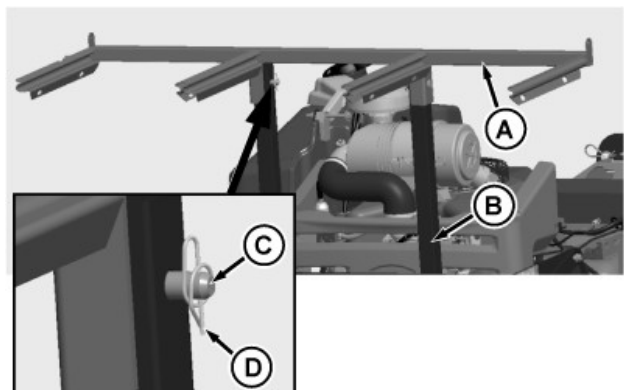
- Align the mount tubes (A) between the bolt holes on the rear frame bracket.
- Rest the mount tubes on top of the bottom tabs of the rear frame bracket.

NOTE: U-Bolts should be left loose until after installing top assembly. This allows the tubes to slide into the top frame brackets without having to adjust them later. Once the top assembly is mounted, the U-Bolts should be tightened.

- Loosely secure the mount tubes to the rear frame bracket by using U-Bolts (C) and flange lock nuts (B).
- Remove two cotter pins (D) and drilled pins (E). Retain for hopper frame installation.

MX00654,0000351-19-05JUL19

Install Hopper Frame Assembly



TC100925—UN—05JUL19

- Install hopper frame (A) onto tubes (B).

Installing

2. Secure with two drilled pins (C) and cotter pins (D) removed earlier.

MX00654,00003BB-19-05JUL19

Install Hopper

Install Inlet

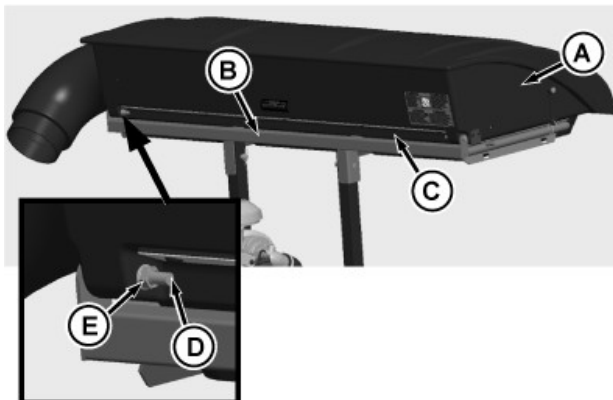


TC100923—UN—05JUL19

1. Position the top assembly (A) on its side with the inlet hole (B) facing up.
2. Insert the inlet (B) from inside the top assembly (A), up through the inlet hole (C), until the inlet retaining lip meets the inlet hole (C).

NOTE: Once installed, the inlet pivots freely about the inlet hole.

Install Top Assembly to an Upper Frame Assembly



TC100922—UN—05JUL19

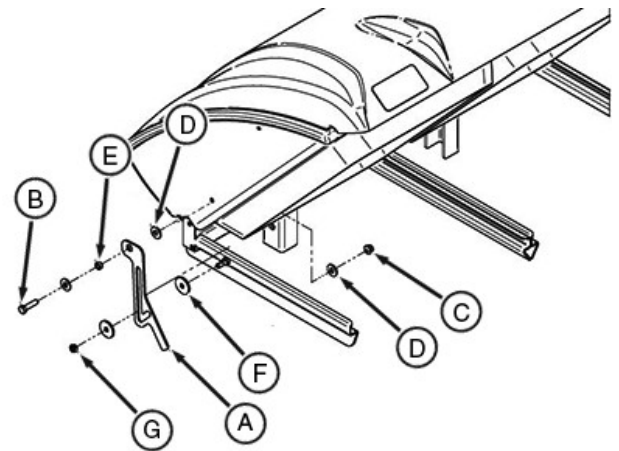
1. Align top assembly (A) pivot holes to the upper frame assembly (B).
2. Before fastening, pull rubber dust guard (C) outward to seal against upper frame assembly (B).
3. Fasten the top assembly (A) to the upper frame assembly (B) using hex bolt (D) and Nylock nuts (E).
4. Tighten U-bolts to:

Specification

U-Bolt—Torque. 23 N·m (17 lb·ft)

NOTE: Leave the Nylock nuts slightly loose to allow the Top Assembly to open and close easily.

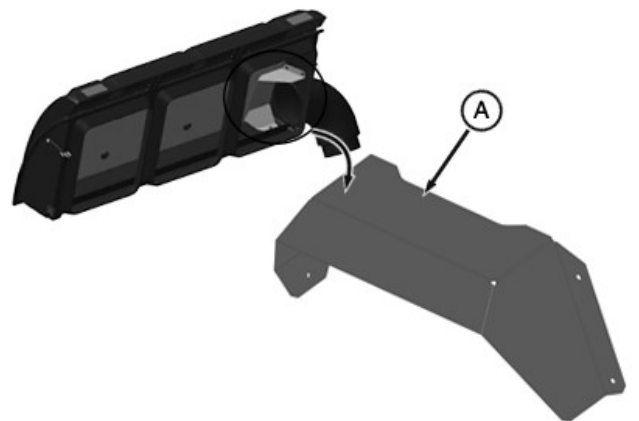
Install Hinge Kit Assembly



APY16238—UN—17JAN19

1. Assemble the hinge kit using latch plate (A), hex screw (B), Nylock nut (C), flat washers (D), latch spacer (E), extra heavy fender washers (F), and locknut (G).
2. Leave the nuts loose enough to allow fluid movement of the top when opening and closing.

Bag Fill Adjustment



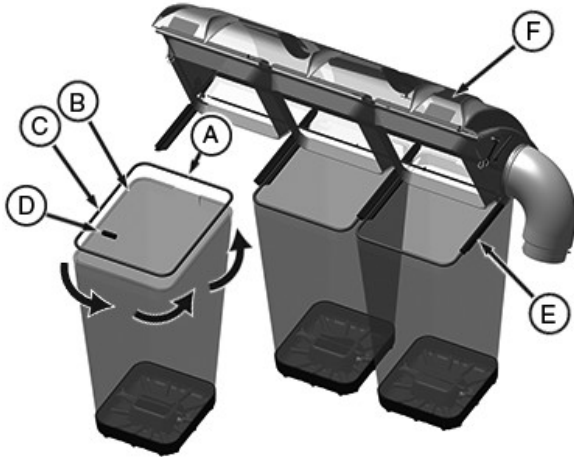
APY16239—UN—03FEB19

Installing

Adjust flap (A) up or down depending on the density of the material being collected.

Adjust to allow the material to reach the bag furthest away from the inlet first. After the furthest bag fills, the material will begin to enter the next bag until filling all three bags to the maximum.

Install Bag Assembly



APY16240—UN—03FEB19

1. Take one of the bag ring split ends (A) and insert it through the bag seam opening (B).
2. Rotate the bag around the bag ring (C) one full turn until the bag ring split ends (A) and the bag seam opening (B) are positioned on the same side.
3. Connect the bag ring (C) split ends (A) using end connector (D).
4. Rotate the bag ring (C) and the end connector (D) assembly one half turn to position the connector opposite of the bag seam opening (B).
5. Note final end location (G).

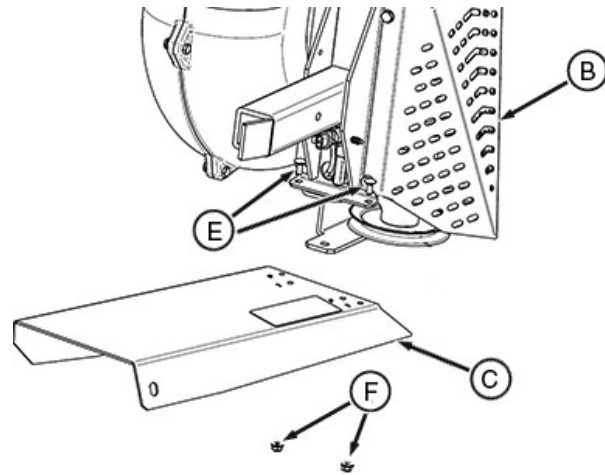
IMPORTANT: Avoid machine damage! Position bag with the mesh facing rearwards and away from machine.

6. Slide the complete bag assembly into the upper frame assembly rails (E) and close the top assembly (F).

SR99263,00000FC-19-17JUL19

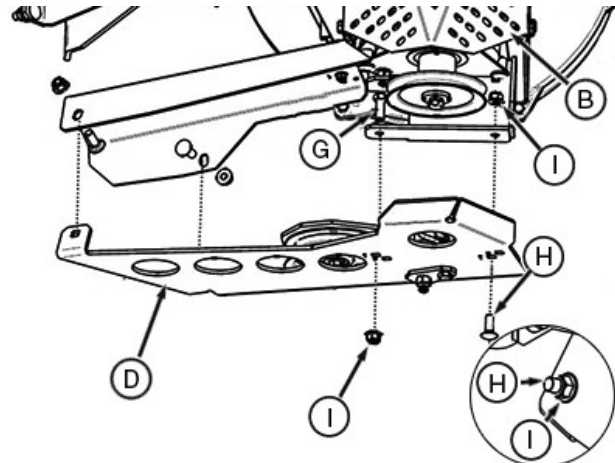
Install Blower Drive Assembly

Install PTO Drive



APY16252—UN—22JAN19

1. Assemble the belt guard (C) to the drive assembly (B) loosely, by aligning the holes designated with 'P' and using two carriage bolts (E) and two flange lock nuts (F).

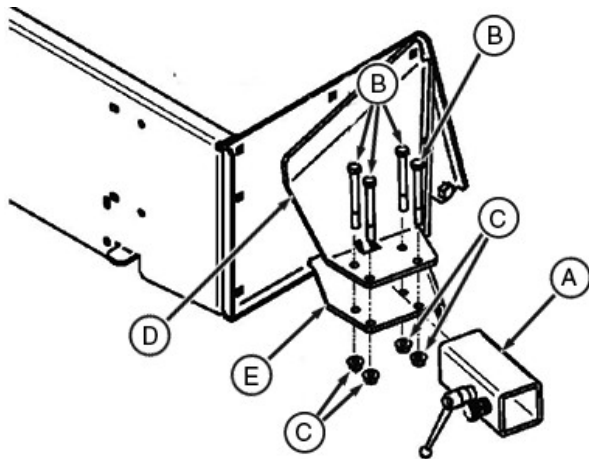


APY16253—UN—31JAN19

2. Assemble the idler mount assembly (D) to the drive assembly (B) loosely by aligning the holes designated with 'P' and using one cap screw (G) (notice direction of bolt), one carriage bolt (H) (notice direction of bolt), and two flange lock nuts (F).
3. Secure the idler mount assembly (D) to the belt guard (C) using two carriage bolts (H) and two flange lock nuts (I).
4. Tighten all six fasteners in order of initial assembly once the belt guard (C) and idler mount assembly (D) are assembled.

Installing

Install Mount Arm/Tube Assembly

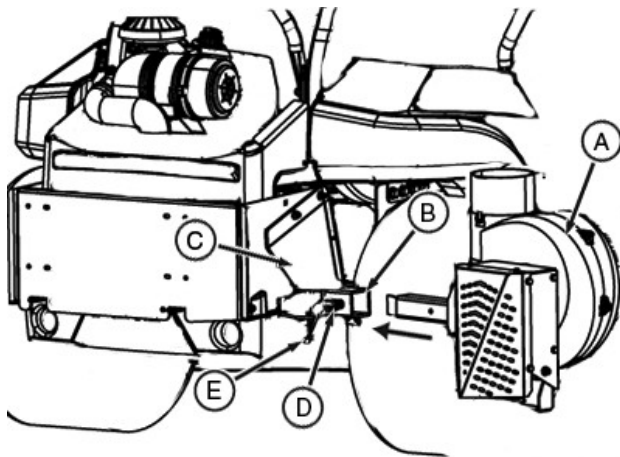


APY16233—UN—16JAN19

1. Position the Mount Arm / Tube Assembly (A) between the Top bracket (D) and Bottom bracket (E) with the tube assembly pushed and resting on the tab of the top bracket.
2. Secure the Mount Arm / Tube Assembly (A) by using four hex head cap screw (B) and four Nylock nuts (C).

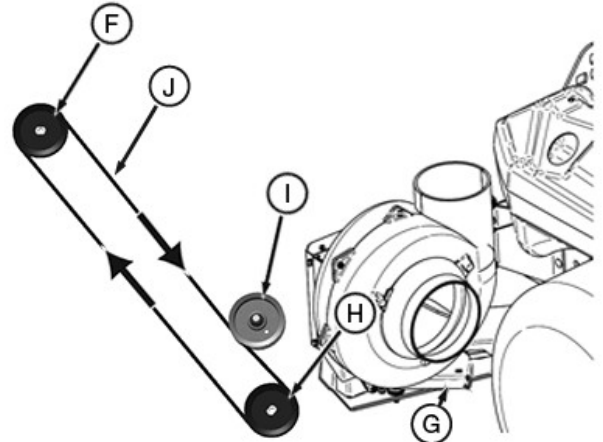
Install PTO Drive Assembly and Belt

CAUTION: John Deere recommends that someone assist during this step.



APY16216—UN—11JAN19

1. Insert the drive assembly (A) into the receiver tube (B).
2. Slide mount arm assembly (C) until the knob plunger pin (D) engages.
3. Turn lock handle (E) clockwise until tight.



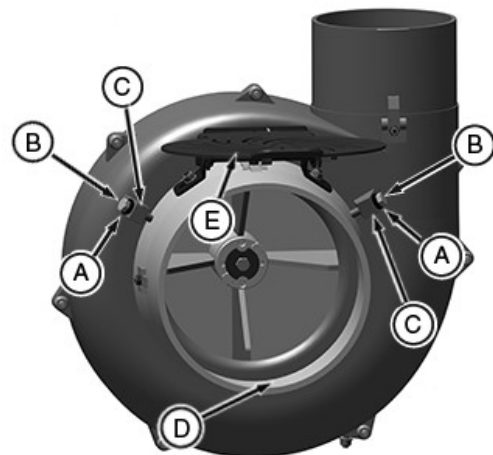
APY014156—UN—11JAN19

4. Place belt (J) around the engine drive pulley (F) on the underside of the mower.
 5. Route the belt through the inside of the idler mount assembly (G).
 6. Relieve tension from the idler arm (G) by inserting a screwdriver into the idler arm and rotating it clockwise.
- IMPORTANT: Avoid machine damage! Be sure belt does not rub on belt shield. If belt rubs, see Adjusting Blower Drive Belt Clearance in Service section.**
7. Clear the idler arm (G) of the belt (J). Once it is clear, place the belt end onto the drive assembly pulley (H) and slowly release the idler arm to engage the belt fully.

SR99263.00000F6-19-28JUN19

Install Blower Inlet Cone

Install Blower Cone



APY16244—UN—29MAR19

1. Thread the lock nut (A) onto each end of the cap screw (B).

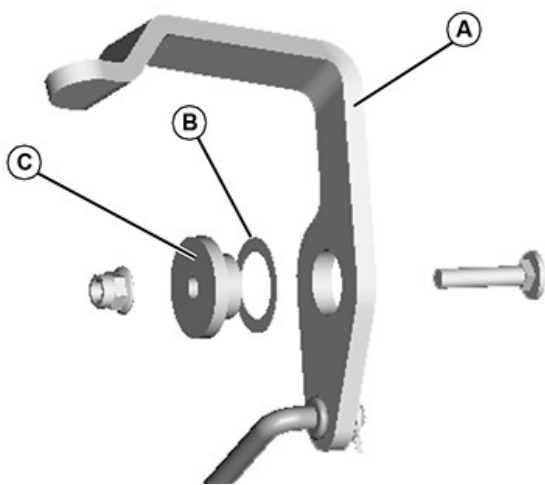
Installing

2. Partially thread cap screw (B) into each of the two threaded bosses (C) on the blower housing.
3. Place the blower cone (D) so the safety cover (E) is facing up as pictured and tighten the cap screws (B) evenly against the cone.
4. Tighten the lock nuts (A) against the threaded boss (C).

SR99263,00000FE-19-26MAR19

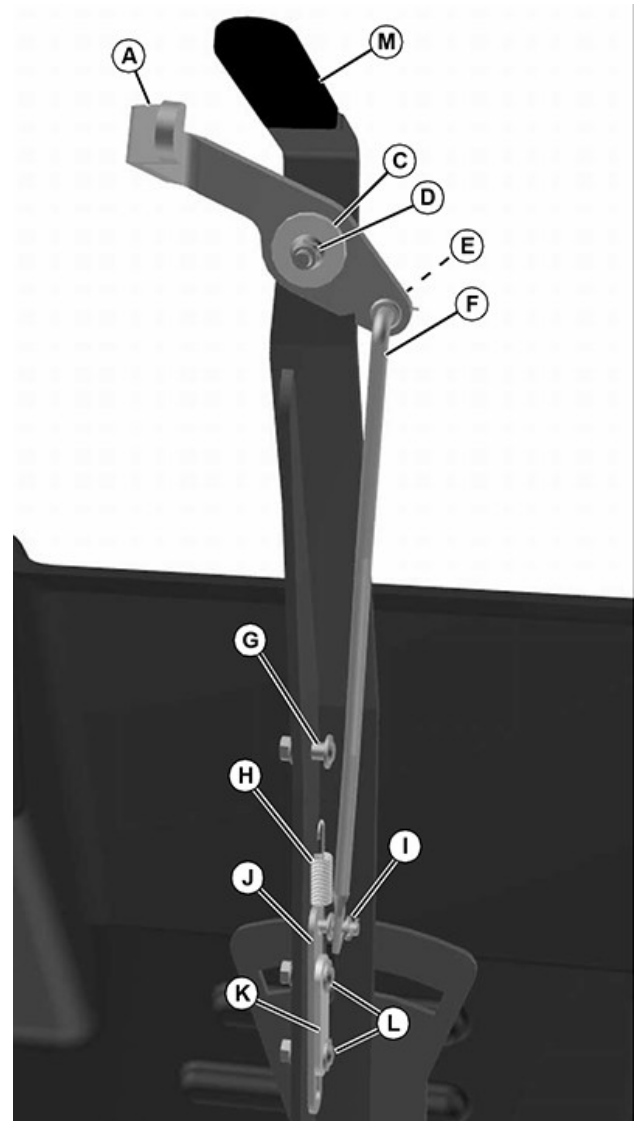
Install Mulch on-Demand Position Lever (Mulch on-Demand Mower Decks Only)

1. Park machine safely. (See Parking Safely in the SAFETY section.)



TCAL45482—UN—08APR13

2. Place shim washer (B) onto bushing (C).



TCAL45483—UN—08APR13

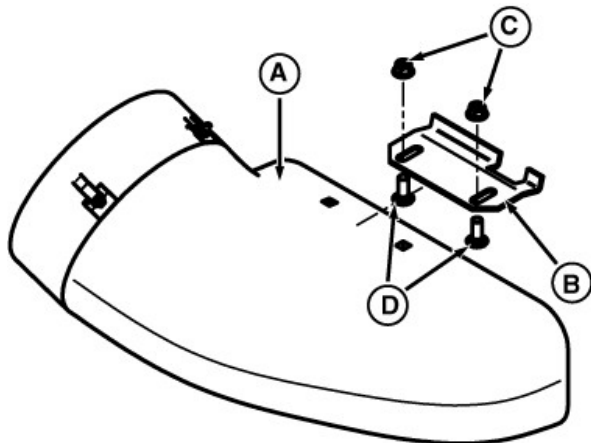
3. Insert bushing (C) into the lever release (A) and attach to the deck mode lever (M) with M6x30 cap screw and nut (D). Tighten hardware.
4. Position pawl plate (J) and shim latch (K) in place and secure with two M6x21 socket head shoulder bolts and nuts (L). Tighten to 8 lb·ft (11 N·m).
5. Install M6x21 socket head shoulder bolt and nut (G). Tighten hardware.
6. Install tension spring (H) from pawl plate (J) to the socket head shoulder bolt (G).
7. Install link latch (F) to the lever release and pawl plate. Secure link latch with M8.4x1.6 washer and cotter pin (E) and M6.4x1.6 washer and cotter pin (I). Spread cotter pins to secure in place.

AP43109,0000198-19-10MAR19

Installing

Install Boot Kit

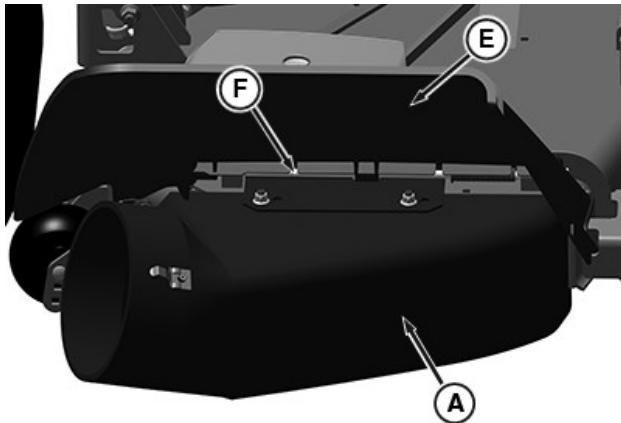
Install Boot Kit (48 and 54 in Side Discharge Decks)



APY15469—UN—28MAR19

1. Secure the boot plate (B) to boot (A) using snap fasteners (C) and Nylock nuts (D).

NOTE: Insert the bolts from the inside so that the threads are on top of the boot. This prevents grass clippings from collecting on the bolt threads.

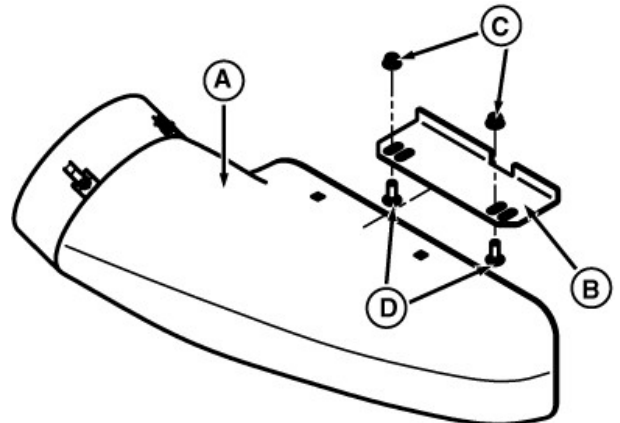


APY15445—UN—19MAR19

2. Lift the grass deflector (E) and slide the boot kit (A) under the rod (F).

NOTE: Make sure to close any gaps between the boot and the mower deck by adjusting the position on the boot in the boot plate slots.

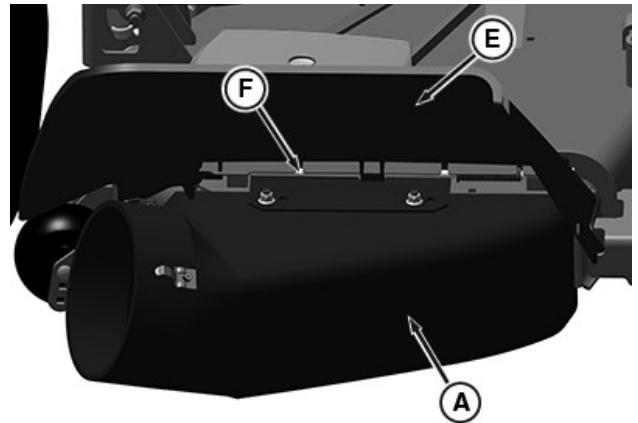
Install Boot Kit (60 and 72 in Side Discharge Decks)



APY15470—UN—28MAR19

1. Secure the boot plate (B) to boot (A) using snap fasteners (C) and Nylock nuts (D).

NOTE: Insert the bolts from the inside so that the threads are on top of the boot. This prevents grass clippings from collecting on the bolt threads.



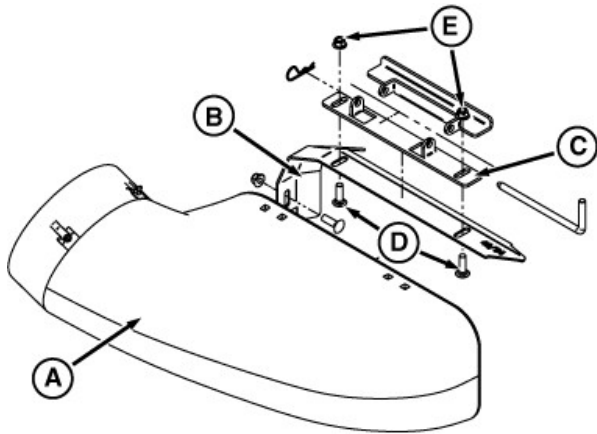
APY15445—UN—19MAR19

2. Lift the grass deflector (E) and slide the boot kit (A) under the rod (F).

NOTE: Make sure to close any gaps between the boot and the mower deck by adjusting the position on the boot in the boot plate slots.

Installing

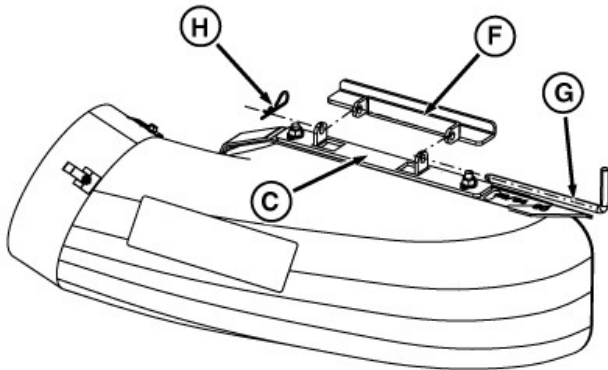
Install Boot Kit (48 and 54 in MOD Decks)



APY15501—UN—29MAR19

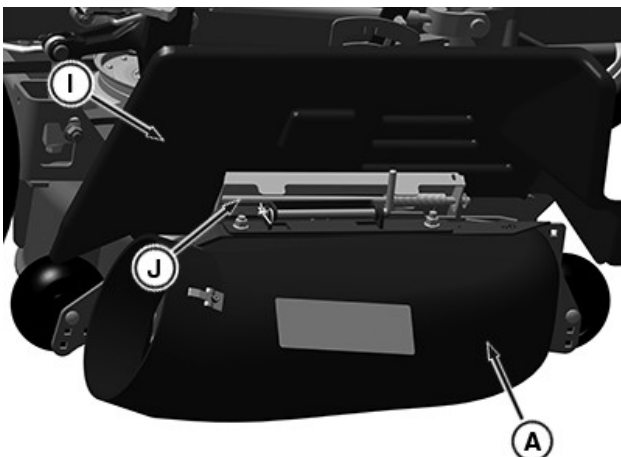
1. Secure the boot (A) to the discharge bracket (B) and boot plate adapter (C) using carriage bolts (D) and Nylock nuts (E).

NOTE: Insert the bolts from the inside so that the threads are on top of the boot. This prevents grass clippings from collecting on the bolt threads.



APY15505—UN—01APR19

2. Secure the MOD boot plate (F) to the boot plate adapter (C) using the pin (G) and spring pin (H).

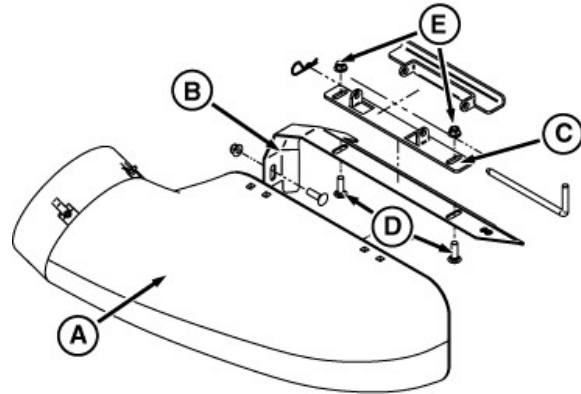


APY15506—UN—01APR19

3. Lift the grass deflector (I) and slide the boot kit (A) under the rod (J).

NOTE: Make sure to close any gaps between the boot and the mower deck by adjusting the position on the boot in the boot plate slots.

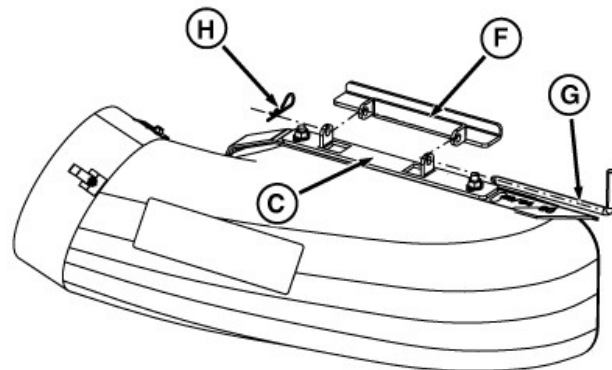
Install Boot Kit (60 in MOD Decks)



APY15502—UN—29MAR19

1. Secure the boot (A) to the discharge bracket (B) and boot plate adapter (C) using carriage bolts (D) and Nylock nuts (E).

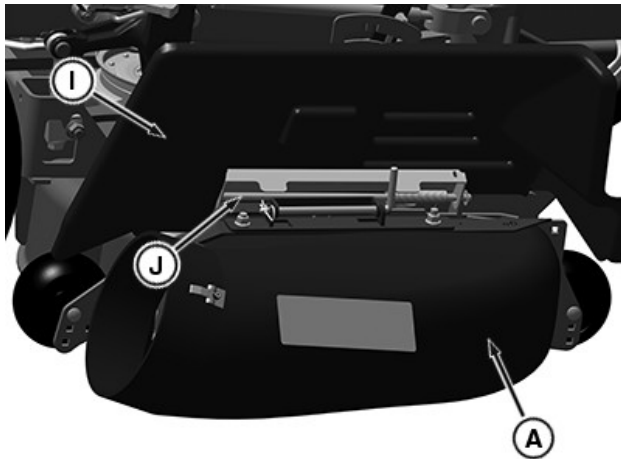
NOTE: Insert the bolts from the inside so that the threads are on top of the boot. This prevents grass clippings from collecting on the bolt threads.



APY15505—UN—01APR19

2. Secure the MOD boot plate (F) to the boot plate adapter (C) using and pin (G) and spring pin (H).

Installing



APY15506—UN—01APR19

3. Lift the grass deflector (I) and slide the boot kit (A) under the rod (J).

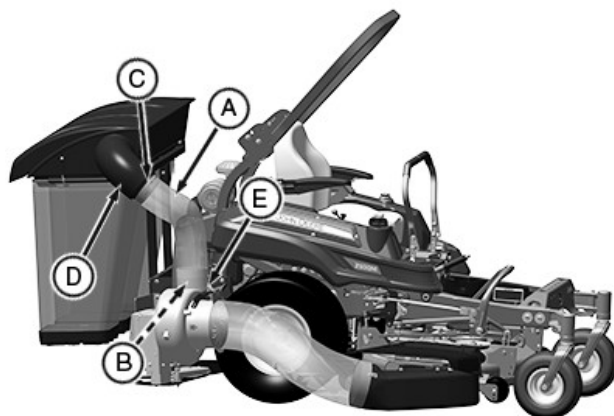
NOTE: Make sure to close any gaps between the boot and the mower deck by adjusting the position on the boot in the boot plate slots.

SR99263,0000101-19-01APR19

Install Hose

NOTE: Hoses may need to be cut to fit your machine, be sure you have tried to fit them on your machine before cutting.

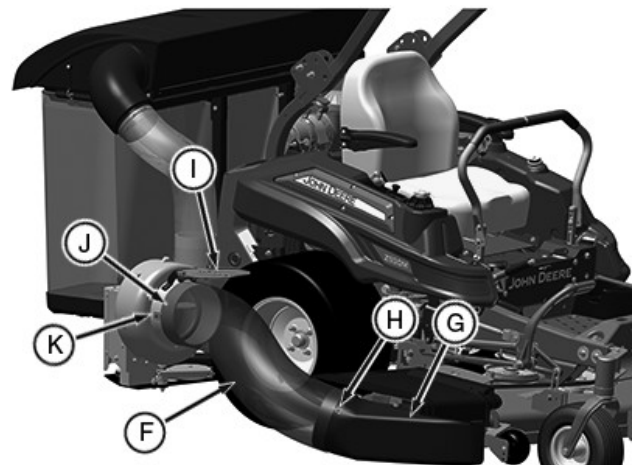
Upper Hose Installation



APY16246—UN—06FEB19

1. Slide the 6 in hose (A) all the way down on the blower outlet (B) and fasten the snap fastener (E) over the hose.
2. Slide the hose clamp (C) onto the top end of the 6 in hose.
3. Secure the top end of the hose onto the inlet (D) and tighten the clamp.

Lower Hose Installation



APY16247—UN—06FEB19

1. Slide one end of the 9 in hose (F) onto the boot (G) and secure it with the snap fasteners (H).
2. Open blower cover (I) to 90° upward to allow hose to slide into place.

NOTE: The lid of the cover is spring actuated so that it stays closed, blocking bystanders from reaching inside the blower when the tube is not present.

3. Secure the other end of the hose to the blower inlet cone (J).
4. Fasten hose by tightening the snap fasteners (K) and allow the blower cover to rest upon the top surface of the tube.

SR99263,00000FF-19-03APR19

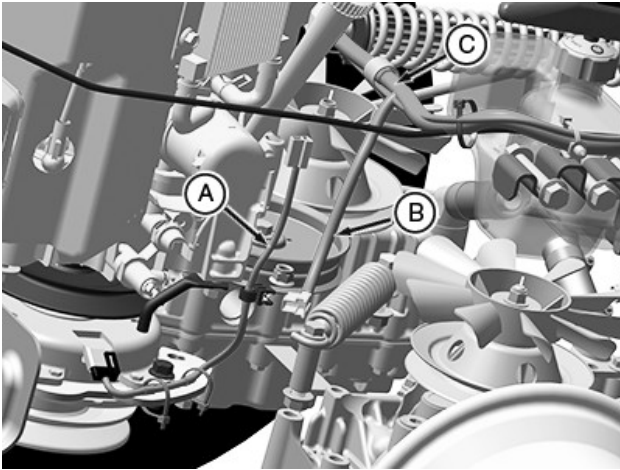
Install Wire Harness

⚠ CAUTION: To prevent serious injury! Proper installation of safety interlock harness is mandatory. Check that all the interlock points work correctly once installed.

1. Refer to the routing image for harness routing.

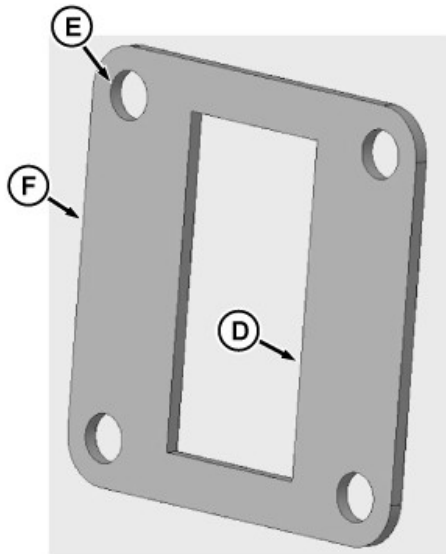
NOTE: Depending on the vehicle's engine, it may be easier to pull the clutch harness through the engine pan from below to access the connectors. Once the connectors are accessible from below, route the blower harness in front of the engine, down through where the clutch harness was pulled through. Then connect the T-connectors in place and gently feed the harness back through the engine pan. Secure the clutch harness in its original position.

Installing



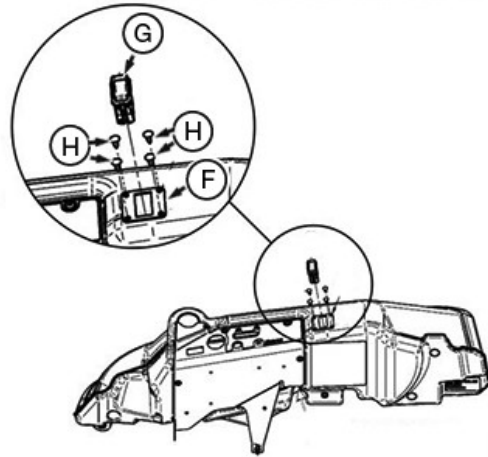
APY16248—UN—22JAN19

2. Route the T-connectors to the front side of the engine. Disconnect the mowers clutch harness (A) from the vehicle harness (B). Connect the T-connectors (C) in between the vehicle and clutch harness.



TC100901—UN—01APR19

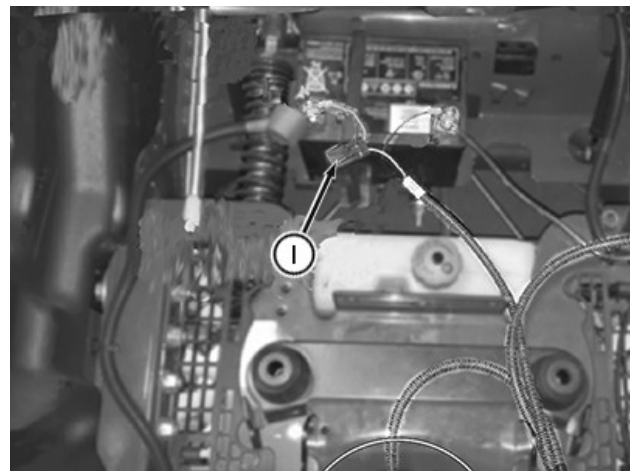
3. Position the blower switch mount plate (F) on the vehicle panel to the operator's right-hand side near the mower controls. Using the switch mount plate as a template, trace the inside (D) and mark four holes (E) on panel. Using a 1/4 in drill bit, drill four holes through the panel and cut out the center following the trace lines.



APY16250—UN—22JAN19

4. Secure the blower engagement rocker switch (G) to the blower switch mount plate (F) by firmly pressing the blower rocker switch into the center cutout of the blower switch. Route the Wire Harness in through the bottom corner of the panel. Connect the blower engagement rocker switch (G) to the wire harness and secure the blower switch mount to the mower by using four nylon plastic rivets (H).
5. Route the long lead end of the harness down to the blower so that it is not close to the exhaust, diverter, or the blower drive belt.

NOTE: Use the clip-on zip-tie and secure this section of the harness and the throttle cable to the lower portion of the frame gusset.



APY16251—UN—22JAN19

6. Route the battery leads to the battery. Use a zip tie to secure fuse (I) to the fixed point so it does not rattle. Ensure that the harness does not pinch when lowering the seat.

SR99263,0000100-19-28JUN19

Cutting Hose to Length

1. Cut hose to the length listed in the following for your

Installing

mower deck size. Hose may already be correct length for some machine configurations; see chart to verify hose length. Edges of the hose may be sharp after cutting; file to smooth the edges if needed.

Deck Size	Lower Hose (9 in dia.) Length	Upper Hose (6 in dia.) Length
48/54 MOD	965 mm (38 in)	609.6 mm (24 in)
60 MOD	991 mm (39 in)	609.6 mm (24 in)
72SD	1016 mm (40 in)	609.6 mm (24 in)
All others	914.4 mm (36 in)	609.6 mm (24 in)

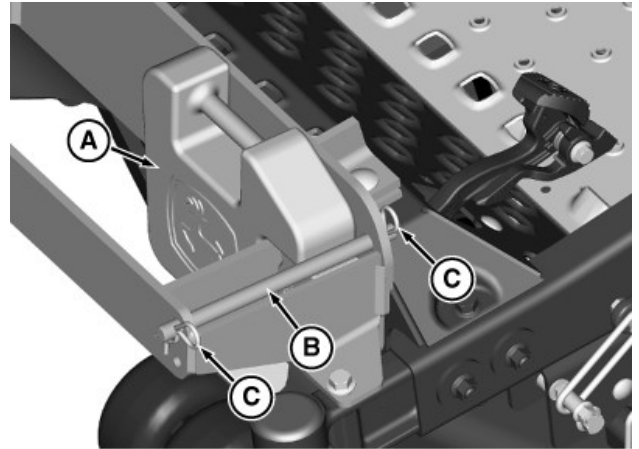
MG39705,0000173-19-03APR19

NOTE: If your specific model is not listed in the chart, contact your John Deere dealer to ensure compatibility and ballast requirements.

MX00654,0000344-19-18SEP19

Installing Weight

NOTE: See Ballast Chart for the proper weight requirements for your machine.



TCT014329—UN—26JUN18

1. Install suitcase weights (A) onto bracket.

NOTE: If the number of required weights is an odd number, add the odd number weight to the left side of machine (or opposite side of blower). Adding the weight to the left side offsets the weight of the blower assembly.

2. Lock down the weights by sliding the rod (B) over them.

3. Install locking pins (C) into rod.

MX00654,0000345-19-10MAR19

Installing Ballast

CAUTION: Machine can become unstable when operating with attachment. Ballast is required when the attachment is installed.

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 not included with this kit but is required for safe operation. Refer to chart for specific requirements and see your authorized John Deere dealer for ordering.
- Weight bracket should remain on machine when operating with the MCS even if chart shows that no weights are required.
- If your machine is equipped with a Propane Conversion Kit, refer to the ballast chart included in the propane kit Operator's Manual.

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

Model	Deck Size(s)	Required Weights
Z915E	48"	5
	54" / 60"	4
Z920M	48" / 48" MOD	5
	54" / 60"	4
Z925M	54" / 54" MOD / 60"	4
Z930M Z930R	54" / 54" MOD / 60" / 60" MOD	4
Z945M	60" / 60" MOD	4
Z950M Z950R	60" / 60" MOD / 72"	4
Z955M Z955R	60" / 60" MOD / 72"	4
Z960M	60" / 60" MOD / 72"	4
Z970R	60" / 60" MOD / 72"	4

Removing and Storing

Removing and Emptying Grass Bags

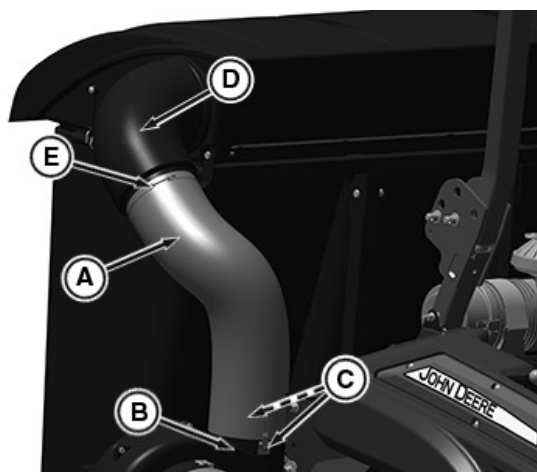
CAUTION: Contents in grass bags cause bagger to become heavy and unbalanced. Always remove and empty bags before removing bagger from machine.

1. Park the machine safely. (See Parking Safely in the SAFETY section.)
2. Release bungee hook straps from both sides of the bagger top.
3. Pivot top open and lock into place.
4. Slide bags outward to empty grass.

MG39705,0000176-19-25MAR19

Removing Hoses

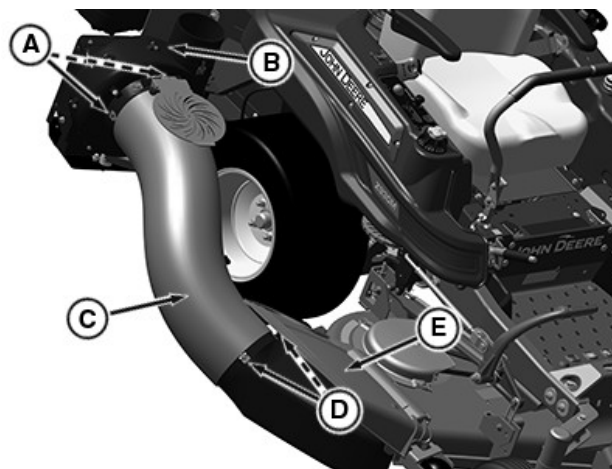
Remove Upper Hose



APY15448—UN—20JAN19

1. Remove one end of the upper hose (A)(6 in dia.) from the blower outlet (B) by loosening the bolts on the hose clamps (C).
2. Remove another end of the upper hose (A) from the inlet (D) by loosening the snap Fastener (E).

Remove Lower Hose

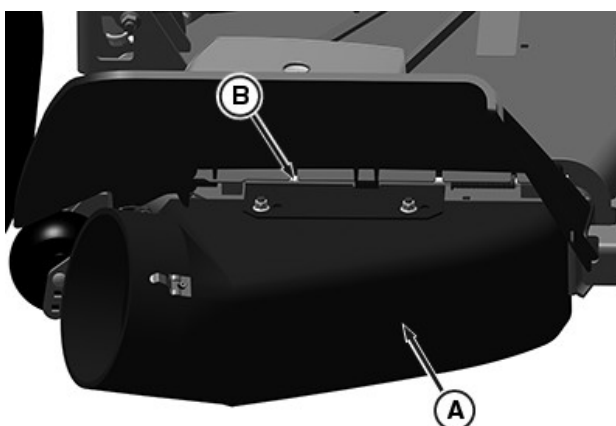


APY15449—UN—07FEB19

1. Remove one end of lower hose (C)(9 in dia.) from the blower cone (B) by loosening the bolts on the hose clamps (A).
2. Remove another end of lower hose (C) from the boot kit (E) by loosening the bolts on the hose clamps (D).

MG39705,0000177-19-25MAR19

Removing Boot Kit



APY15455—UN—19MAR19

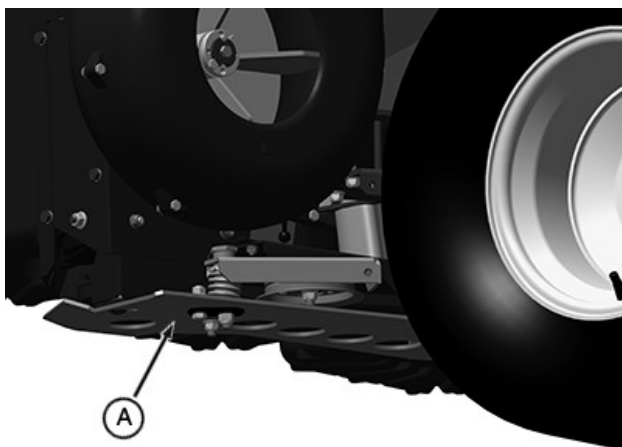
Lift the boot kit (A) and remove it by sliding it from under the rod (B).

MG39705,000017D-19-25MAR19

Removing Blower Drive Assembly

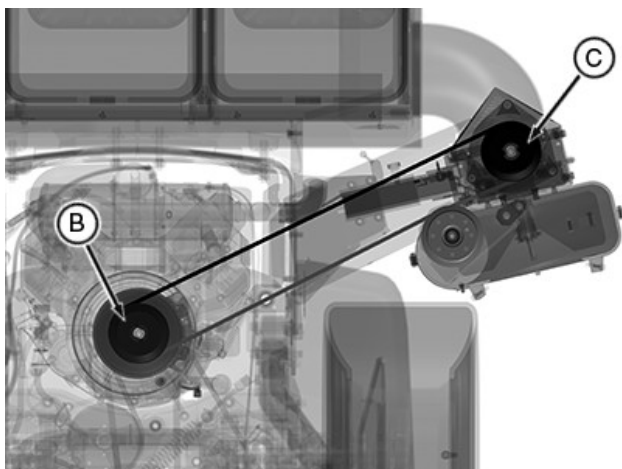
1. Removal of the belt

Removing and Storing



APY15454—UN—29MAR19

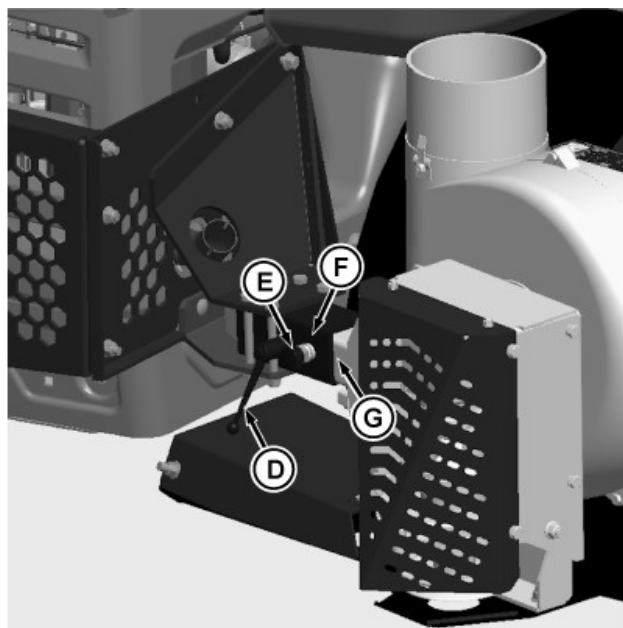
- Insert a large screwdriver into the hole on the idler mount arm assembly (A) and pry the arm back to release tension on the belt.



APY15456—UN—29MAR19

Model is Shown from Bottom Side

- Once the belt is loosened, remove it from the Engine drive pulley (B) and drive assembly pulley (C).
2. Disconnect the drive assembly wire harness from the quick disconnect blower clutch harness.



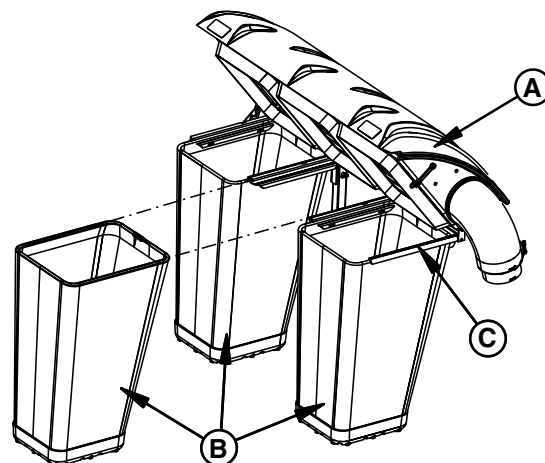
TC100913—UN—30JUN19

3. Turn the lock handle (D) counterclockwise to loosen. Pull the knob (E) and remove the drive assembly (G) from the receiver tube (F).

MG39705,0000180-19-30JUN19

Removing Hopper Assembly

Remove the Bag Assembly

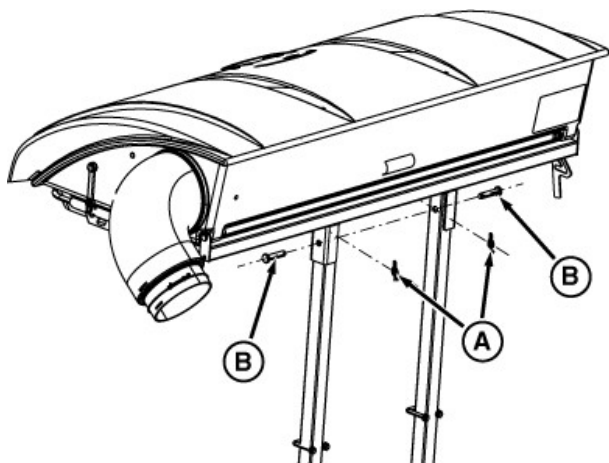


APY15503—UN—29MAR19

1. Release bungee hook straps from both sides of top assembly (A) and allow top to pivot open and lock.
2. Remove the bags (B) one by one from the upper frame assembly rails (C).

Removing and Storing

Remove Upper Frame Assembly

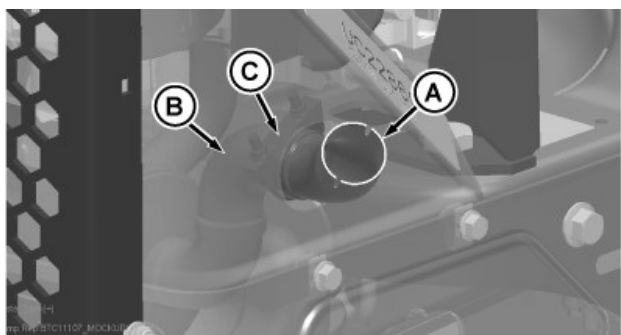


APY15504—UN—29MAR19

1. Remove cotter pins (A) from pins (B).
2. Remove hopper assembly and store securely.

MG39705,0000183-19-24MAY19

Removing Exhaust Diverter



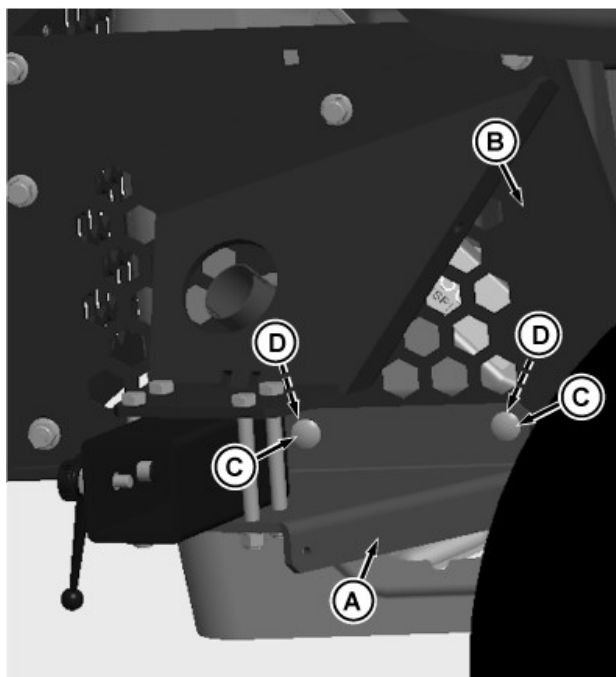
TC100921—UN—30JUN19

Remove exhaust diverter (A) from the engine exhaust pipe (B) by loosening the clamp (C).

MG39705,0000185-19-30JUN19

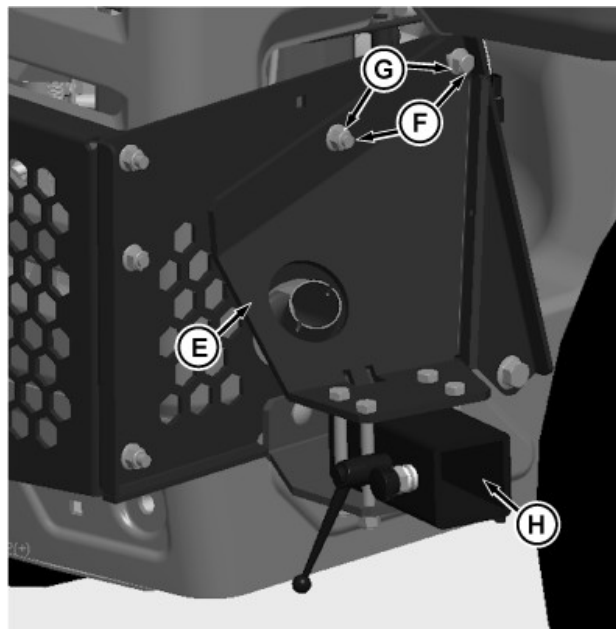
Removing Frame Assembly

Removing Mount Arm / Tube Assembly



TC100914—UN—30JUN19

1. Disassemble the bottom bracket (A) of the mount arm assembly from the right frame bracket (B) by loosening carriage bolts (C) and lock nuts (D).

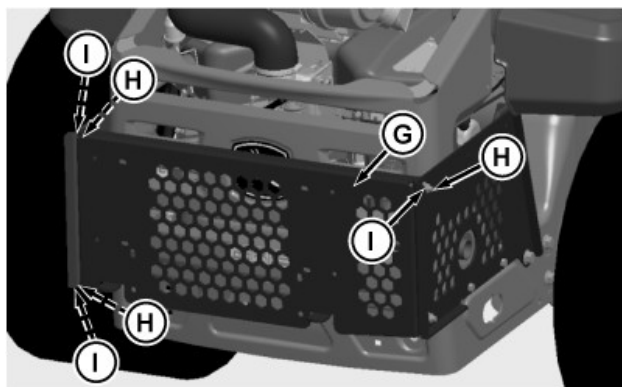


TC100915—UN—30JUN19

2. Disassemble the top bracket (E) of the mount arm assembly by loosening carriage bolt (F) and lock nuts (G).
3. Remove the Tube assembly (H) once loosened enough from the top bracket (C) and the bottom bracket (A).

Removing and Storing

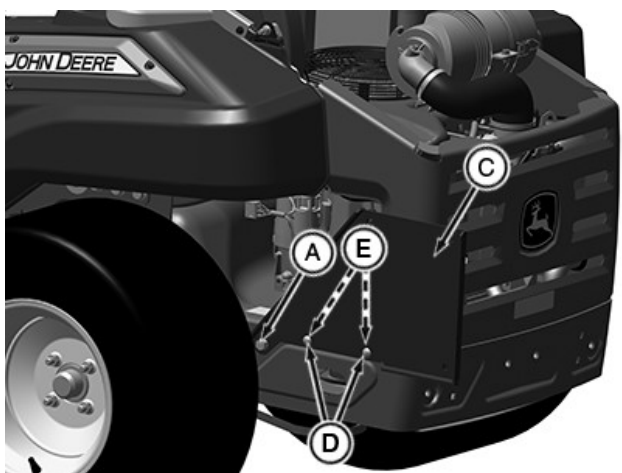
Remove Rear Frame Bracket



TC100917—UN—30JUN19

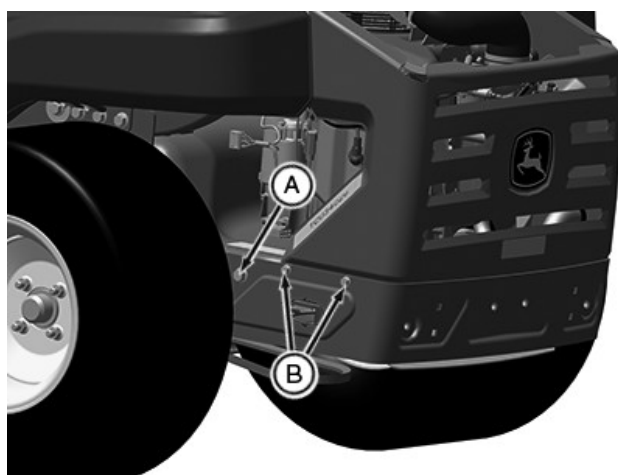
1. Disassemble the rear frame bracket (G) by loosening carriage bolts (H) and flange lock nuts (I) on the left and right frame bracket.
2. Remove the rear frame bracket (G) and store securely.

Remove Left Frame Bracket



APY16220—UN—20MAR19

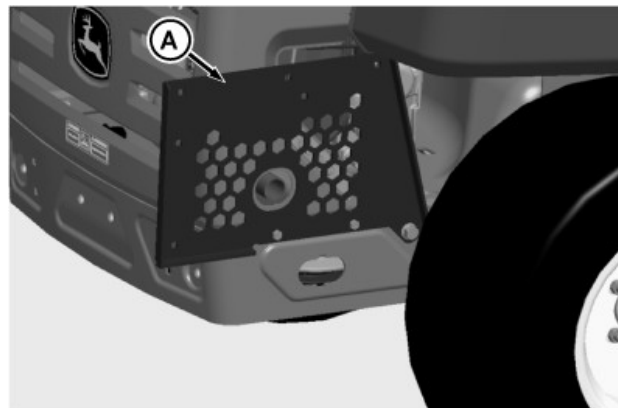
1. Disassemble the left frame bracket (C) by loosening the M12x30 metric bolt (A), carriage bolts (D), and lock nuts (E).
2. Remove the left frame bracket (C) and store securely.



APY15446—UN—18MAR19

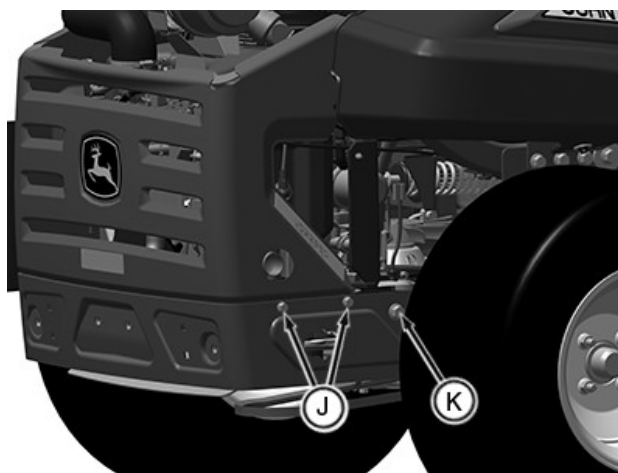
3. Reinstall pre-existing M12x30 metric bolt (A) and earlier removed screws (B) on the machine.

Remove Right Frame Bracket



TC100916—UN—30JUN19

1. Remove the right frame bracket (A) and store securely.

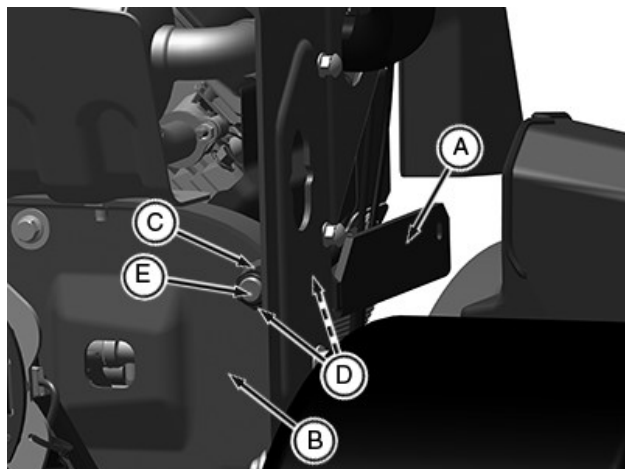


APY15447—UN—19MAR19

2. Reinstall pre-existing M12x30 metric bolt (K) and earlier removed screws (J) on the machine.

Removing and Storing

Remove Frame Gusset



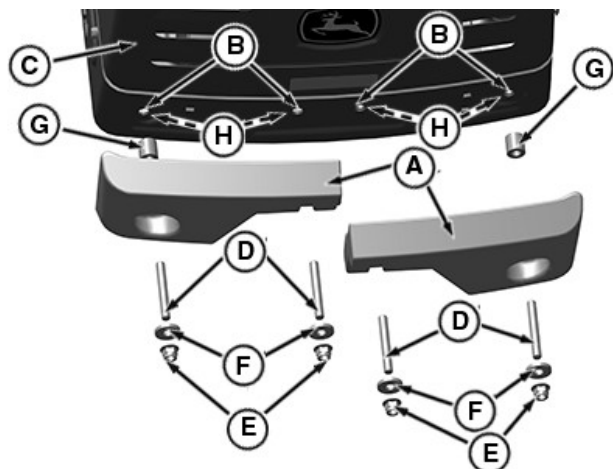
APY15465—UN—22JAN19

Model is Shown from Rear Right Chassis Side Bottom View

Remove the frame gusset (A) from the chassis (B) by loosening nut (C) and removing washers (D) and bolt (E).

MG39705,0000184-19-30JUN19

Install Rear Bumper Weights



APY15466—UN—22JAN19

1. Align the holes on the bumpers (A) with the holes (B) on the rear frame (C) of the machine.
2. Secure the bumpers (A) with studs (D), locknuts (E), washers (F), spacers (G) (between the rear frame and the bumpers), and additional nuts (H) on rear of frame.

MG39705,000017B-19-25MAR19

Removing Ballast

CAUTION: Machine can become unstable when operating with attachment. Ballast is required when the attachment is installed.

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

Use only attachments and accessories recommended by the manufacturer.

Remove any added ballast from machine.

AP43109,00001B7-19-05APR13

Storing Attachment

IMPORTANT: Avoid machine damage, on dump from seat units, store attachment by placing it door side down.

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

1. Remove any grass clippings from MCS or bagger attachment.
2. Remove attachment from machine.
3. Clean attachment and driveline, if equipped, with water pressure from a hose.
4. Remove any shields if needed to clean out all debris.
5. Repair or replace worn, bent, or damaged parts. Tighten loose hardware.
6. Apply paint to painted surfaces where needed to prevent rust.
7. Apply thin coat of grease to blades or tines to prevent rust.
8. Lubricate any pivot points with engine oil to prevent rust.
9. Lubricate any grease points.

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

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

AP43109,00001B8-19-04JAN16

Operating

Using the Blower

NOTE: If the blower is not picking up grass clippings adequately, reduce machine ground speed. Generally, ground speed must be slower when using the MCS or bagger.

Starting Blower

If the blower switch is left engaged, then whenever the PTO is engaged to start the mower deck, the blower engages simultaneously.

If the blower switch is off and the PTO is engaged to start the mower deck, then the blower switch must be engaged shortly after. Failure to engage the blower after the PTO could result in early clogging. For that reason, it is best to leave the blower switch on all the time when collecting.

Stopping Blower

If the blower switch is left engaged, then whenever the PTO is disengaged to stop the mower deck, the blower disengages simultaneously. The blower must be turned off at anytime by disengaging the blower switch.

SG77823,0000210-19-03APR19

Unplugging Mower, Bagger, or Material Collection System

CAUTION: Do not attempt to unplug attachment with the 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 that all machine parts are stopped before raising hopper top or removing chutes.

Checking for Plugging While Driving

If grass builds up in the front of the 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 hopper, or problems with blower assembly.

Removing Debris from Inspection Points:

CAUTION: 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 the mower deck or blower assembly. Check chute inlet.
4. Check under the mower deck for debris.

MX00654,00002FC-19-25MAR19

Using Grass Bags

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

Installing and Removing Grass Bags

1. Unlatch and raise the hopper top.
2. To remove, slide bags out from the support frame.
3. To install, slide bags in completely on a support frame so that vented end is facing rear of mower.

Filling the Bags

Check level of clippings often.

Empty bags when full to prevent plugging of chute.

Left bag normally fills first.

Right bag must not fill completely when you are cutting a thin stand of grass. Bag fills if you slow engine to reduce air flow.

To avoid tipping, fill bags 1/2 full when operating on slopes.

IMPORTANT: Do not leave clippings in bags:

- Moisture damages 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 causes 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.

SG77823,0000211-19-25MAR19

Transporting

If the blower and rear bagger will be left on the machine during transport, follow these guidelines when transporting the unit:

- If possible, empty the cloth bags and remove them from the hopper. Full bags add extra weight which can overstress the hopper frame on rough roads. At road travel speeds, wind can cause premature wear of the cloth bags.

Operating

- Make sure the hopper lid is latched securely to the hopper frame.
- If unit will be transported over long distances or at high speeds, remove the rear bagger and chute before transport.

AP43109,00001BC-19-05APR13

Service Intervals

Service Intervals

Daily - as Needed

- Clean hopper exhaust screen, hoses, and boot.

Every 50 Hours

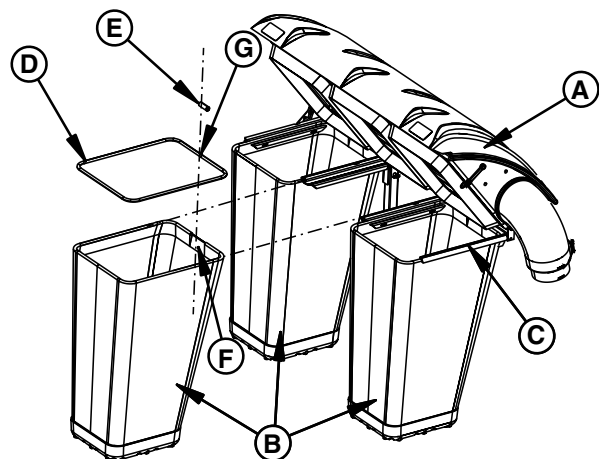
- Grease idler and blower gearbox (fitting on back of blower-bearing).
- Clean out blower housing, impeller, and boot (do not take housing apart).
- Check and grease idler bearings.
- Inspect blower housing for wear.
- Check bags and hoses for wear and deterioration. Replace if necessary.

SG77823,0000226-19-25MAR19

Replacing Grass Bags

Remove Grass Bag

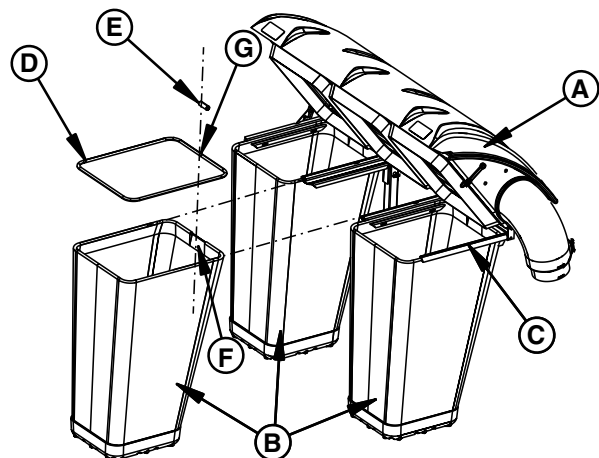
1. Park machine safely. (See Parking Safely in the SAFETY section.)



APY15462—UN—22JAN19

2. Open the top assembly (A).
3. Remove the bags (B) one by one from the upper frame assembly rails (C).
4. Rotate the bag ring (D) for half position till the end connector (E) is seen through the bag seam opening (F).
5. Disconnect the end connector (E) from the bag ring split ends (G).
6. Remove the bag ring (D) from the bag starting from one end of the seam opening (F).

Install Grass Bag



APY15462—UN—22JAN19

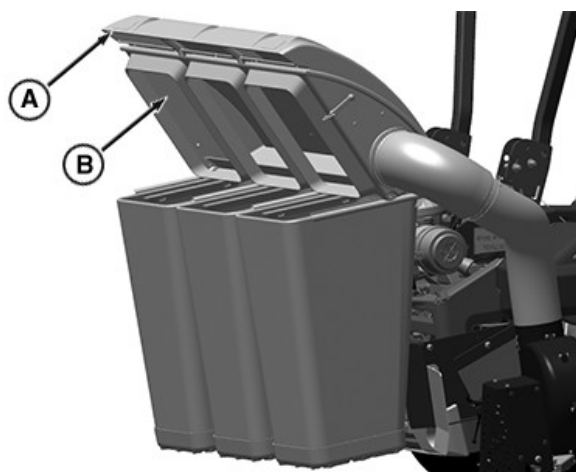
1. Take one of the bag ring split ends (G) and insert it through the bag seam opening (F).
2. Rotate the bag around the bag ring (D) until the bag ring split ends (G) and the bag seam opening (F) are positioned on the same side.
3. Connect the bag ring (D) and split ends (G) using end connector (E).

4. To position the connector opposite of the bag seam opening (F), rotate the bag ring (D) and the end connector (E) assembly half turn.
5. Slide the complete bag assembly into the upper frame assembly rails (C) and close the top assembly (A).

SG77823,0000224-19-23JAN19

Cleaning Grass Bag

1. Park machine safely. (See Parking Safely in the SAFETY section.)
2. Unlatch hopper top (A).



APY014167—UN—23JAN19

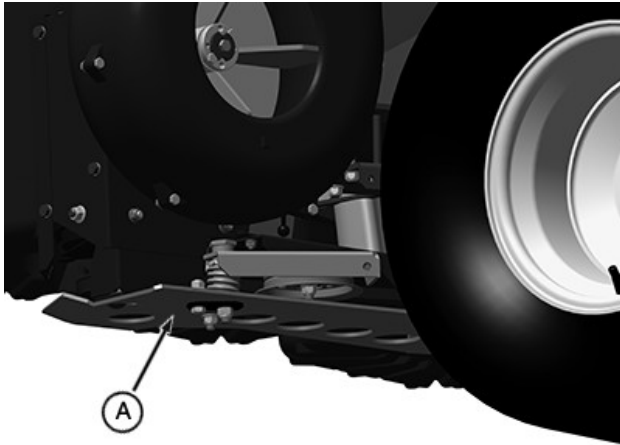
3. Clean the hopper screen (B) with soft bristled brush or water.
4. Lower hopper top (A) and secure latches.

SG77823,0000225-19-10MAR19

Removing PTO Drive Belts

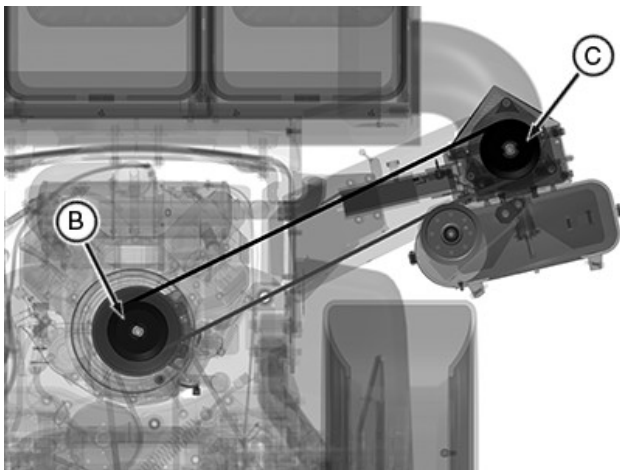
CAUTION: Rotating parts can catch fingers, loose clothing, or long hair. Wait for engine and all moving parts to stop before leaving operator station to adjust or service machine.

Service



APY15454—UN—29MAR19

1. Insert a large screwdriver into the hole on the idler mount arm assembly (A) and pry the arm back to release tension on the belt.



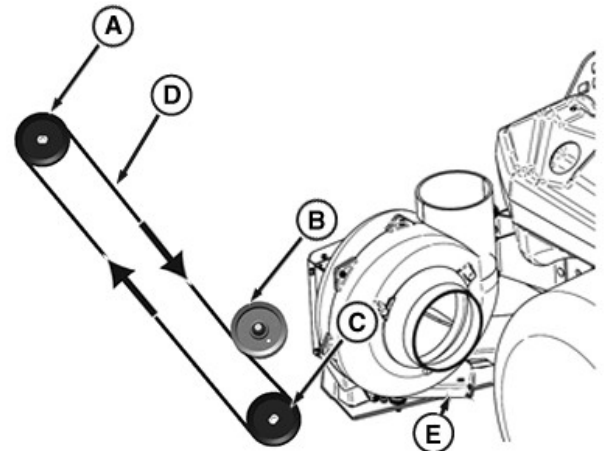
APY15456—UN—29MAR19

2. Once the belt is loosened, remove it from the engine drive pulley (B) and drive assembly pulley (C).

SG77823,0000223-19-03APR19

Installing PTO Drive Belts

CAUTION: Rotating parts can catch fingers, loose clothing, or long hair. Wait for engine and all moving parts to stop before leaving operator station to adjust or service machine.



APY014166—UN—11JAN19

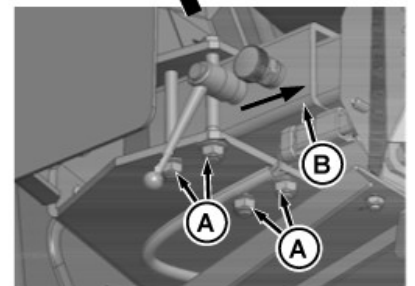
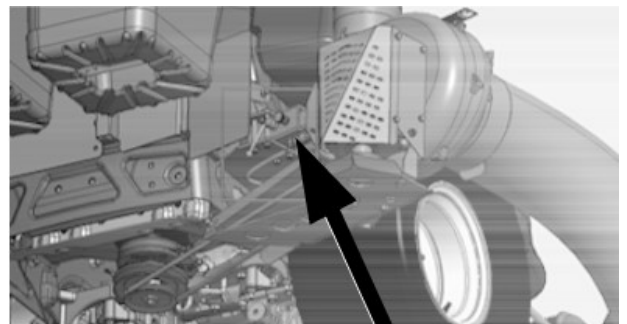
1. Place belt (D) around the engine drive pulley (A) on the underside of the mower.
2. Insert a screw driver into the idler mount assembly (E) and flat idler pulley (B).
3. Rotate lever arm clockwise to relieve tension from the belt (D).

IMPORTANT: Avoid machine damage! Be sure belt does not rub on belt shield. If belt rubs, see **Adjusting Blower Drive Belt Clearance** in Service section.

4. Place belt around the drive assembly pulley (C) and release the tension to tighten belt.

SG77823,0000222-19-28JUN19

Adjusting Blower Drive Belt Clearance



TC100908—UN—24MAY19

1. Gently loosen nuts (A) about a half turn for each bolt until square tube (B) is able to be moved outward.

Service

2. Move square tube (B) about 3.2 cm (.5 in) out. This will allow the belt shield to rotate slightly upward away from the belt, creating the clearance.
3. Tighten bolts to:

Specification

Tube Bolt—Torque. 47 N·m (35 lb·ft)

MX00654,0000380-19-24MAY19

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

Troubleshooting Chart

If	Check
Not All Grass Is Picked Up	Grass is too wet. Throttle speed too slow. Travel speed too fast. Grass bags are full. Hopper exhaust screen is dirty. Plugged chute or blower. Plugged or dirty mower deck. Incorrect or dull mower blades. Mower deck not leveled properly. Mower cutting height too low.
Grass Clippings Trail Behind Or Blow To The Side Of Mower	Belt is slipping or broken. Plugged chute. Blower not working properly. Grass bags are full.
Blower Or Chute Plugs	Belt is slipping or broken. Grass too wet. Throttle speed too slow. Travel speed too fast. Grass bags are full. Hopper exhaust screen is dirty. Mower deck not leveled properly. Mower cutting height too low. Plugged or dirty mower deck.
Grass Leaks From Hopper	Hopper top not latched. Hopper seal damaged or missing.

MX00654,0000346-19-03APR19

Specifications

Rear Bagger

Rear Bagger can be used with the following Mower Decks	48, 54, 60, 72 inch Side Discharge Decks and 48, 54, and 60 MOD Decks
Front Ballast Recommendation	(See Installing Ballast)
Total Capacity	0.425 m ³ (12 bushel)
Weight - Hopper Kit	30 kg (67 lb)
Weight - 48"/54" SD Boot Kit	6 kg (13.4 lb)
Weight - 60"/72" SD Boot Kit	8.7 kg (19.2 lb)
Weight - 48"/ 54"/ 60" MOD Boot Kit	11.3 kg (24.9 lb)
Weight - Mount Kit	74.4 kg (164 lb)

NOTE: Specifications and design are subject to change without notice.

SG77823.0000212-19-04APR19

Specifications

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:

http://www.deere.com/globalhome/deerecom/global_home.page?CC=true

Select your country and then click on the Contact Us link.

SP66632,00043A7-19-10MAY17

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