



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-19-20170510

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.

TH84124,00000D9-19-20130523

Machine Use

This machine is designed solely for use in customary lawn mowing operations. Use in any other way is considered as contrary to the intended use.

The manufacturer accepts no liability for damage or injury resulting from this misuse, and these risks must be borne solely by the user. Compliance with and strict adherence to the conditions of operation, service, and repair as specified by the manufacturer also constitute essential elements for the intended use.

This machine should be operated, serviced, and repaired only by persons familiar with all its particular characteristics and acquainted with the relevant safety rules (accident prevention). The accident prevention regulations, all other generally recognized regulations on safety and occupational medicine, and the road traffic regulations must be observed at all times.

Setting fuel delivery beyond published factory specifications or otherwise overpowering will result in loss of warranty protection for this machine.

Any arbitrary modifications carried out on this machine will relieve the manufacturer of all liability for any resulting damage or injury.

OU01023,0000025-19-20170605

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-19-20170605

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.

TH84124,0000199-19-20200205

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.

TC00531,00000E9-19-20210303

Mower Deck Identification

Mower decks in the following instructions are identified by a code designation. The codes are as follows:

∴ Mower Deck Codes

Code	Description
48A	48 Inch Accel Deep™ Deck for Select Series, Ztrak, and X700/X900 Tractors
54A	54 Inch Accel Deep™ Deck for Select Series, Ztrak, and X700/X900 Tractors
48HC	48 Inch High Capacity Edge™ Deck for Select Series, Ztrak, and X700/X900 Tractors

Product Compatibility

This Power Flow™ is compatible with the 48A, 54A, and 48HC mower decks for Select Series™, Ztrak™, and X700/X900 Tractors.

Record Identification Numbers

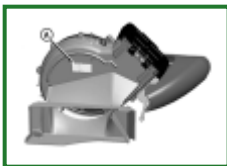
Power Flow™

Accel Deep™ Series High Performance Serial No. (120001 -)

HC Series High Performance Serial No. (120001 -)

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 model and serial number for the Power Flow™ and record the information in the spaces provided below.



GXT002367-UN: Identification Number

DATE OF PURCHASE:

DEALER NAME:

DEALER PHONE:

PRODUCT SERIAL NUMBER (A):

Understanding the Machine Safety Labels without Text



TCT005498-UN: Safety alert symbol

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.

MX00654,0000389-19-20180621

Avoid Injury From Thrown Objects



MXT009202-UN: Warning Label M158500

- Do not put hands or feet under or into mower when engine is running.
- Thrown Objects - Before mowing, clear area of objects that may be thrown by blade. Do not operate mower without discharge chute or entire grass catcher in place.
- Stay a safe distance from machine.
- Read operator's manual.

OUMX068,0000238-19-20130919

Certification Label



Read Safety in Machine Operator's Manual

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

OUMX068,0000230-19-20130918

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 cover securely latched.

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.
- Keep bystanders away when unloading material collection system.

Operate safely on slopes:

- Empty hopper 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.

OUMX068,0000231-19-20140327

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.

OUMX068,0000232-19-20130918

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.

OUMX068,0000233-19-20130918

Avoid Injury From Thrown Objects

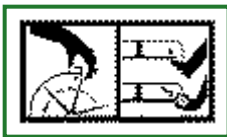


TCAL41689-UN: Thrown Objects

- 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.
- 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.

OUMX068,0000234-19-20130918

Avoid Injury From Rotating Blades



MXT008720-UN: Rotating Blades

- 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.

OUMX068,0000235-19-20130918

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.
- 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.

OUMX068,0000236-19-20170804

Identify Parts

Parts in Kit (48A, 48HC - ZTrak™ and X700/X900 Series)



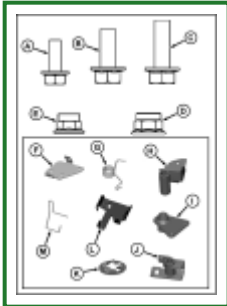
GXT002606-UN: Identify Parts

-: Parts in Kit

Quantity	Description
1	Power Flow™ (A)
1	Rear Stationary Shield (B)

Quantity	Description
1	Double Sheave (ZTrak™ with 48HC) (C)
1	Double Sheave (D)
1	Deck Belt Shield (E)
1	Bent Pin (F)

Parts in Bag



GXT003050-UN: Picture Note: Actual size shown, except for parts F through M shown in box.

∴ Parts in Bag

Quantity	Description
3	Bolt, M6x16 (A)
2	Bolt, M8x20 (B)
2	Bolt, M8x25 (C)
5	Locknut, Flange, M8 (D)
7	Locknut, Flange, M6 (E)
1	Bracket, Hinge (ZTrak™) (F)
1	Torsion Spring (ZTrak™) (G)
1	Front Mounting Bracket (ZTrak™ with 48HC) (H)
1	Front Mounting Bracket (Select Series™ with 48A/54A, and X700/X900 with 48A) (I)
1	Front Mounting Bracket (ZTrak™ with 48A) (J)
1	Retainer, Screw (6.35 mm ID) (K)
1	Bracket, Wire Handle Mounting (ZTrak™) (L)

Quantity	Description
1	Wire Handle (ZTrak™) (M)
3	Screw, Self-Tapping, M6x12 (Not Shown)

Parts in Kit (48A, X300 and X500 Series)



GXT003051-UN: 48A

-: 48A

Quantity	Description
1	Power Flow™ (A)
1	Rear Stationary Shield (B)
1	Deck Belt, Right (C)
1	Double Sheave (D)
1	Bent Pin (E)
1	Deck Belt Shield (F)

Parts in Kit (54A, X300 and X500 Series)

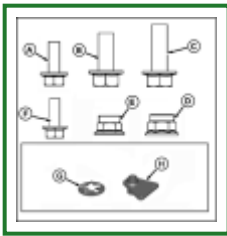


GXT003052-UN: 54A

-: 54A

Quantity	Description
1	Power Flow™ (A)
1	Double Sheave (B)
1	Rear Stationary Shield (C)
1	Deck Shield, Right (D)
1	Deck Belt Shield (E)
1	Bent Pin (F)

Parts in Bag



GXT003053-UN: 54A

:- 54A

Quantity	Description
3	Bolt, M6x16 (A)
2	Bolt, M8x20 (B)
2	Bolt, M8x25 (C)
5	Locknut, Flange, M8 (D)
7	Locknut, Flange, M6 (E)
3	Screw, Self-Tapping, M6x12 (F)
1	Retainer, Screw (6.35 mm ID) (G)
1	Front Mounting Bracket (H)

VS70618,0000D23-19-20210628

Remove Right Deck Shield



GXT002473-UN: Deck Shield

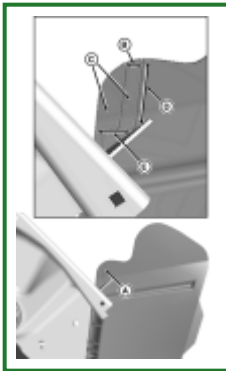
Remove screws (A) and plastic cover (B) over right spindle. (Set parts aside. Parts will be replaced with new cover in kit.)

JK79365,0000572-19-20151208

Modify Discharge Chute

1. Remove shield over right side spindle.
-

2.



GXT003054-UN: Picture Note: View from under 54 in. deck shown.

Locate embossed cut line (A) on deck discharge chute. Measure 25 mm (1 in.) (B) above line and mark section (C).

- To verify measurements, be certain that length is approximately 68.0 mm (2-11/16 in.) (D) and inward dimension is approximately 45.9 mm (1-13/16 in.) (E).
- Cut out and remove section (C).

BS62576,0001EDC-19-20160526

Install Double Sheave (48A and 54A Decks)

1. Disengage PTO.
-

2.



CAUTION:

Avoid injury! Mower blades are sharp. Always wear gloves when handling mower blades or working near blades.



GXT002378-UN: Remove Sheave

Remove end of tension spring (A) from bracket (B) on deck.

3. Remove mower deck belt from right spindle sheave (C). Inspect and replace belt if needed.
 4. With blade held stationary against wood block, remove and keep spindle nut (D). Remove right spindle sheave (C).
-

5.

IMPORTANT:

Avoid damage! Tightening spindle nut against blade bolt may damage bolt and spindle threads. Use a pipe wrench or other suitable device to hold double sheave stationary while tightening spindle nut.



GXT002379-UN: Double Sheave

Install double sheave (E) on spindle shaft with large pulley against deck.

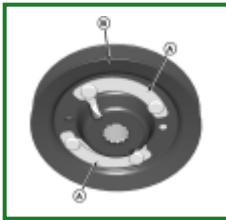
6. With blade held stationary against wood block, install spindle nut (F) and tighten to 163 N·m (120 lb·ft).

7. Install original mower deck belt in lower groove of double sheave, and connect tension spring onto bracket on deck.
8. Safely unblock and lower mower deck to ground.
9. Clean and store right spindle sheave for use if Power Flow™ and double sheave are removed.

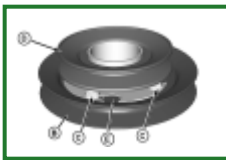
BS62576,0001EE5-19-20160602

Install Double Sheave (48HC ZTrak)

1.



GXT002463-UN: Picture Note: Sheave removed from spindle for clarity. View from



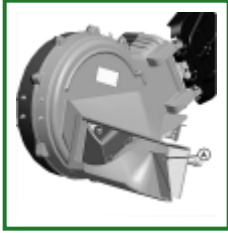
GXT002464-UN: Picture Note: Sheaves removed from spindle for clarity.

- Install upper sheave retaining plates (A) onto lower sheave (B) loosely by inserting them up through holes in lower sheave (B) and starting four locknuts (C) onto the threads.
2. Install upper sheave (D) onto right spindle sheave (B), lining up large end of key slots (E) in upper sheave with nuts on sheave retaining plates.
 3. Rotate the upper sheave (D) counterclockwise to position the nuts over the small end of the key slots. Tighten hardware to 9 - 17 N·m (7 - 12 lb·ft).

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48HC Power Flow™ Preparation

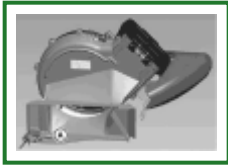
1.



GXT002371-UN: Cut Line

Trim along ridge on inlet to remove small triangular section (A) as shown.

2.



GXT002842-UN: Cut Line

Trim inlet (A) as shown in graphic to provide clearance for bolted front lip.

JK79365,000056A-19-20151209

Install Front Mounting Bracket

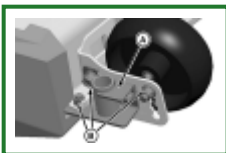
48HC (ZTrak™)



GXT002372-UN: 48HC, 54HC (ZTrak™)

1. Install front mounting bracket (A) on the right front gauge wheel bracket with two M8x25 bolts (B) and M8 lock nuts. Tighten to 20–40 N·m (15–29 lb·ft).

48A (ZTrak™)

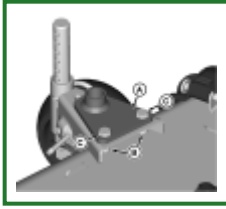


GXT002373-UN: 48A, 54A (ZTrak™)

1. Install bracket assembly (A) to the gauge wheel bracket with two M6 and one M8 carriage bolts and locknuts (B) as shown. Tighten M6 bolts to 10–18 N·m (7–13 lb·ft). Tighten M8 bolt to 20–40 N·m (15–29 lb·ft).

48A, 54A (Select Series™), and 48A (X700/X900)

1.



GXT003055-UN: 48A, 54A (X700)

Place mount bracket (A) on top of the gauge wheel bracket.

2. Insert each nut (B) under the gauge wheel bracket. Hold with a wrench to keep nut from spinning.
3. Thread M8 bolt (C) into nut from top. Start both bolts before tightening hardware.
4. Tighten nuts to 20–40 N·m (15–29 lb·ft).

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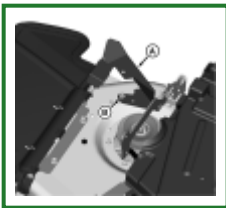
Install Rear Stationary Shield



CAUTION:

Avoid injury! Mower blades are sharp. Always wear gloves when handling mower blades or working near blades.

48HC ZTrak™



GXT003079-UN: 48HC ZTrak™ Stationary Shield

1. Install stationary shield (A) with M6 self-tapping screw (B).
2. Note placement of screw in outer hole position.
3. Align shield and hold in place when tightening down.

48A X700/X900, 48A/54A Select Series™, and 48A ZTrak™



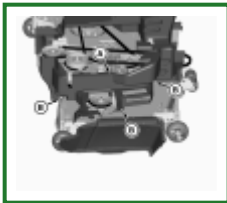
GXT003056-UN: 54A Select Series Shown. Others are Similar.

1. Install stationary shield (A) with two M6 self-tapping screws (B).

VS70618,0000D25-19-20210628

Install Right Deck Shield

X300 and X500 Series



GXT003057-UN: Deck Shield

1. Install new right deck shield (A) with screws (B).

BS62576,0001EDF-19-20160526

Assemble and Install Blower Belt Shield

ZTrak™ and X700/X900 Series

1.



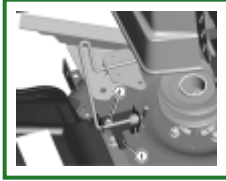
GXT002375-UN: Install Torsion Spring

Install torsion spring:

- Insert torsion spring (A) straight leg into mounting bracket hole (B) and place spring hook (C) over edge of bracket.

- Insert wire handle (D) through torsion spring center, and then through hole (E).
 - With wire handle in bracket slot (F), rotate handle clockwise one rotation, in the process the wire leg picks up the spring hook end.
2. Place the hinge bracket (G) (with three holes), over the wire handle as shown. Push the smaller (6.35 mm ID) screw retainer (H) over the wire handle until it snaps into the groove.
-

3.



GXT002376-UN: Install Wire Handle Bracket

Install wire handle mounting bracket (I) onto mower deck with M6x12 self-tapping screw (J). Or use M8 carriage bolt and lock nut, if supplied in kit for 48HC decks.

4.



GXT002377-UN: Install Front Blower Belt Shield

Rotate wire handle (A) forward and position front blower belt shield (K) onto rear stationary shield and under hinge bracket (G).

5. Rotate handle (A) back until three holes in hinge bracket (G) align with the front shield holes. Insert three M6x16 bolts (L) and fasten with M6 flange locknuts.
6. Check for proper operation and alignment of blower belt shield and blower belt shield spring.
7. Loosen M6x12 self-tapping screw (J), or M8 carriage bolt and lock nut if supplied in kit for 48HC decks, holding the mount bracket to deck. Reposition blower belt shield and blower belt shield spring for alignment, if needed.
8. Install clip nut to rear stationary shield. Push M8x25 bolt through front plastic shield hole and onto screw retainer. Connect to rear shield.

Install Proper Mower Blades

IMPORTANT:

Avoid damage! When replacing mower blades, always use genuine John Deere Service Parts.

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

For maximum performance from blower assembly, install correct mower blades for application:

- **Mulching Blades** – Not for use with blower assembly, except when operated in conjunction with MulchControl™ kit.
- **Standard Blades** – Standard blades are designed for bagging, side discharging, and all mowing conditions.

MulchControl is a trademark of Deere & Company

OUO2005,000039A-19-20161103

Installing Blower Assembly

1.



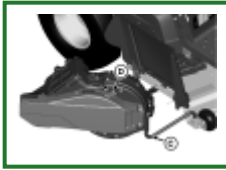
GXT002380-UN: ZTrak™ Shown.



GXT003059-UN: Select Series™ Shown. X700/X900 are Similar.

Install short end (A) of large bent rod in front mounting bracket (B).

2.



GXT003068-UN: ZTrak™ Shown.

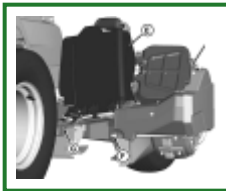


GXT003060-UN: Select Series™ Shown. X700/X900 are Similar.

Install Power Flow™ on long end (C) of bent pin.

3. Move tension lever (D) to release position.

4.



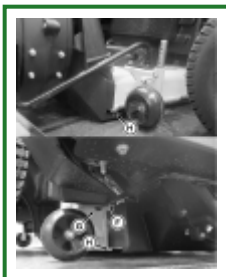
GXT002382-UN: ZTrak™ Shown.



GXT003061-UN: Select Series™ Shown. X700/X900 are Similar.

Fully raise mower deck discharge chute (E), and pivot Power Flow™ toward deck. Insert bent pin (F) into hole (G) in right rear deck bracket.

5.



GXT003062-UN: Select Series™ Shown. Others are Similar.

Power Flow™ must install on mower deck discharge areas (H) as shown, as you insert pin (F) into hole (G).

6. Hold Power Flow™ securely against mower deck discharge area.
-

7.



GXT002384-UN: ZTrak™ 48A, 48HC, and X700/X900 Series Belt Install



GXT003064-UN: Select Series™ Shown.

Raise deck belt shield (I). Install drive belt (J) to top sheave (K) with belt “V” in groove.

8. Install shield retainers (L) to shielding (Select Series™ Only).
-

9.



GXT003066-UN: Select Series™ Only.

Install screws (M) and retainers (N) to belt shield (Select Series™ Only).

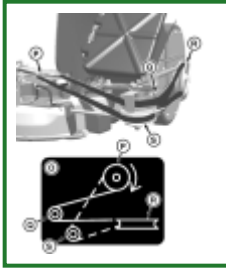
10.



GXT003067-UN: Select Series™ Only.

Install shield to deck with screws (M) (Select Series™ Only) with tool supplied in kit.

11.



GXT003070-UN: Assembly may vary slightly from image shown. Belt routing is identical.

Locate belt installation label (O) on belt shield and verify correct drive belt installation. The drive belt must run:

- a. from mower deck top sheave (P),
 - b. to idler (Q),
 - c. to top of sheave (R),
 - d. to V-idler sheave (S),
 - e. back to mower deck top sheave (P).
-

12.



GXT003071-UN: ZTrak™ Shown. Others Similar.

Move tension lever (T) to lock position.

VS70618,0000D1B-19-20210621

Adjusting Mower Deck

1.

IMPORTANT:

Avoid damage! Adjust mower deck right-hand wheels after each installation to provide adequate support for the Power Flow™ while traveling over the mowing area.

Adjust cutting height and level mower deck side-to-side and front-to-rear as described in tractor operator's manual.

2. Lower mower deck to pre-set cutting height.

3.

NOTE:

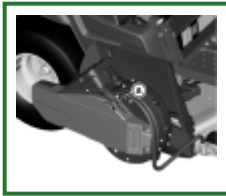
Move tension lever to release position, move Power Flow™ outwards to provide room for rear gauge wheel adjustment.

Adjust both right-hand mower deck wheels to one position lower than they were positioned when leveling mower deck.

BS62576,0001EE3-19-20160524

Removing Power Flow™

1.



GXT003071-UN: ZTrak™ Shown. Others Similar.

Move tension lever (A) to release position.

2.



GXT003072-UN: Select Series™ Only.

Remove screws (B) with tool supplies in kit from shield. (Select Series Only.)

3.



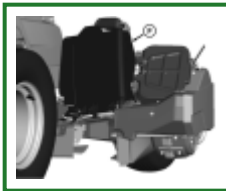
GXT002388-UN: Select Series™ Shown. X700/X900 are Similar.



GXT003074-UN: Select Series™ Shown.

Raise deck belt shield (C) (ZTrak™ and X700/X900 Series Only) and remove drive belt (D) from top sheave (E).

4.



GXT003078-UN: ZTrak™ Shown.



GXT003077-UN: Select Series™ Shown.

Raise mower deck discharge chute (F) and pivot Power Flow™ away from deck.

5.



GXT003076-UN: Select Series™ Shown. Others Similar.

Remove Power Flow™ from long end of bent pin (G).

6. Remove short end of bent pin from front mounting bracket (H).

VS70618,0000D1C-19-20210621

Storing Power Flow™

1. Remove Power Flow™ from mower deck.

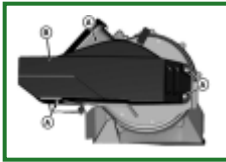
2.

IMPORTANT:

Avoid damage! Grass build-up, if allowed to dry out, may break off into small, hard pieces and be propelled inside blower assembly. Premature failure may result.

Clean exterior and interior of Power Flow™.

3.



GXT002391-UN: Power Flow Shield

Remove four bolts (A) attaching belt shield (B) to Power Flow™.

4. Remove belt shield.
5. Remove all grass accumulation around belt, idler and sheaves.
6. Remove and inspect drive belt. Replace belt if needed.
7. Store Power Flow™ in a clean, dry area. It is best to enclose it in its original shipping carton.

BS62576,0001EE2-19-20160524

Using the Blower Assembly

Starting Blower Assembly

Whenever tractor PTO is engaged to start mower deck, blower assembly will automatically start. (See tractor operator's manual for PTO operating instructions.)

Stopping Blower Assembly

Whenever tractor PTO is disengaged to stop mower deck, blower assembly will automatically stop.

BS62576,00014C4-19-20151209

Unplugging Mower, Bagger, 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:

1.



CAUTION:

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

Park machine safely. Wait for all moving parts to stop before getting off to inspect machine.

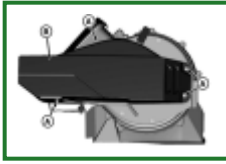
2. Open hopper cover. Check chute outlet.
3. Remove chute from mower deck or blower assembly. Check chute inlet.
4. Check under mower deck for debris.

BS62576,00014C5-19-20151209

Removing Drive Belt

1. Remove Power Flow™ from mower deck.
-

2.



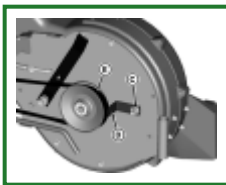
GXT002391-UN: Power Flow Shield

Remove four bolts (A) attaching belt shield (B) to Power Flow™.

3. Remove belt shield.

4. Remove all grass accumulation around belt, idler and sheaves.

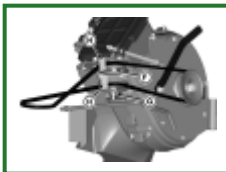
5.



GXT002392-UN: Remove Hardware

Loosen nut (C) and slide belt guide (D) over to remove belt (E).

6.



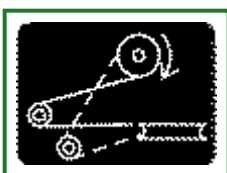
GXT002393-UN: Idler Nuts

Loosen nut on bolt (F) on idler and nut (G) on sheave.

7. Move belt brackets (H) away from idler and sheave, and remove belt.

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Installing Drive Belt

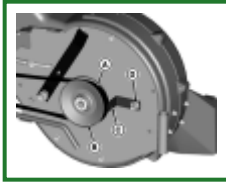


MXT009092-UN: Belt Diagram

NOTE:

Locate belt installation label on belt shield. This label illustrates correct belt installation. If belt is not installed correctly, it is possible that POWER FLOW fan will rotate backwards.

1.

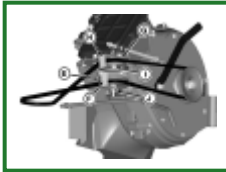


GXT002395-UN: Instal Belt on Sheave

Place belt (A) over driven sheave (B).

2. Adjust belt guide (C) to belt and tighten nut (D) while holding guide in place.

3.



GXT002396-UN: Route Belt

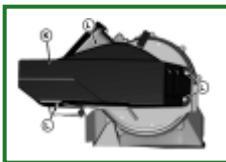
Route belt:

- a. between v-idler sheave (E) and belt bracket (F) with belt “V” in groove,
- b. between idler (G) and belt bracket (H) with belt “face” in groove.

4. Move belt brackets (F) and (H) perpendicular to outer edges of sheave and idler. Leave 3 mm (1/8 in.) clearance between brackets and outer edges.

5. Tighten nut on bolt (I) and nut (J) to 20–40 N·m (15–29 lb.-ft.).

6.



GXT002397-UN: Power Flow Belt Shield

Install belt shield (K) to Power Flow™ with four bolts (L).

OUMX068,000CAC-19-20150712

Using Troubleshooting Chart

-: 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-19-20181113

EC Declaration of Conformity

-: DOC

Deere & Company Moline, Illinois, U.S.A.
The undersigned hereby declares that
Machine Type: Mower Deck
Model: 48A, 54A, and 48HC
Serial Numbers: See Product Identification Page
fulfills all relevant provisions and essential requirements of the following directives:


-: Directives

DIRECTIVE	NUMBER	CERTIFICATION METHOD
Machinery Directive	2006/42/EC	Self-Certification

-: Authorization

Name and address of the person in the European Community authorized to compile the technical construction file:

--

<p>John Deere Walldorf GmbH & Co. KG</p> <p>Customer Support</p> <p>Impexstraße 3</p> <p>D-69190 Walldorf</p> <p>EUConformity@JohnDeere.com</p>
<p>Place of Declaration: Horicon, WI USA</p>
<p>Date of Declaration: 1 December 2020</p>
<p>Manufacturing Unit: John Deere Horicon Works</p>
<div style="text-align: center;">  <p>DXCE01-UN: CE Logo</p> </div>



PY31410-UN: Steve Dobrot

Name: Steve Dobrot

Title: Product Engineering Manager, RLE

VS70618,0000CF2-19-20210616

UK Declaration of Conformity

:- DOC

<p>Deere & Company</p> <p>Moline, Illinois, U.S.A.</p>
<p>The undersigned hereby declares that</p>
<p>Machine Type: Mower Deck</p>
<p>Model: 48A, 54A, and 48HC</p>

Deere & Company Moline, Illinois, U.S.A.
Serial Numbers: See Product Identification Page
fulfills all relevant provisions and essential requirements of the following UK regulations:

-: Directives

DIRECTIVE	NUMBER	CERTIFICATION METHOD
The Supply of Machinery (Safety) Regulations 2008	S.I. 2008/1597	Self-Certification

-: Authorization

Name and address of the person authorized to compile the technical construction file:
John Deere Walldorf GmbH & Co. KG Customer Support Impexstraße 3 D-69190 Walldorf EUConformity@JohnDeere.com
This declaration of conformity is issued under the sole responsibility of the manufacturer.
Place of Declaration: Horicon, WI USA
Date of Declaration: 1 October 2021
Manufacturing Unit: John Deere Horicon Works
Ag & Turf Products Importer: John Deere Ltd- Harby Road, Langar, Nottinghamshire, NG13 9HT
Forestry Products Importer: John Deere Forestry Ltd- Carlisle Airport Industrial Estate, Carlisle, Cumbria, CA6 4NW



TC101783-UN: UK Logo



PY31410-UN: Steve Dobrot

Name: Steve Dobrot

Title: Product Engineering Manager, RLE

VS70618,0000CF3-19-20210616

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.

SP66632,00043A7-19-20210308