



Snowblower, 47, 54, 59, 60 Inch



JOHN DEERE



OPERATOR'S MANUAL

Snowblower, 47, 54, 59, 60 Inch

OMLVU35934 ISSUE B6 (ENGLISH)



John Deere Augusta Works

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Introduction

Using Operator's Manual

Read the 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.

AL61114,0000712-19-13APR21

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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

Record Identification Numbers

The snowblower is designed for use with a compact utility tractor with a front hitch. The snowblower is recommended for installation on 1023E, 1025R, 2025R, 2032R (Serial Number GH100001—), 2038R, 3120, 3320, 3520, 3720, 3033R, 3038R, 3039R, 3045R, and 3046R.

Contact your John Deere dealer before installation on any other machines.

Record Purchase Information

DATE OF PURCHASE:

DEALER NAME:

DEALER PHONE:

PRODUCT SERIAL NUMBER:

PR59899,00005A1-19-13JAN21

Safety

Read Safety in Machine Operator's Manual

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

TH84124,0000132-19-22MAY13

Understand Signal Words

 **DANGER**

 **WARNING**

 **CAUTION**

TS187—19—30SEP88

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.

A signal word—DANGER, WARNING, or CAUTION—is used with the safety-alert symbol. DANGER identifies the most serious hazards. DANGER or WARNING safety signs are located near specific hazards. General precautions are listed on CAUTION safety signs. CAUTION also calls attention to safety messages in this manual.

DX,SIGNAL-19-05OCT16

Training

- Read, understand and follow all instructions on the machine and in the manuals before operating this unit. Be thoroughly familiar with the controls and the proper use of the equipment. Know how to stop the unit and disengage the controls quickly.
- Never allow children to operate the equipment. Never allow adults to operate the equipment without proper instruction.
- Keep the area of operation clear of all persons, particularly small children.

TH84124,0000134-19-22MAY13

Preparation

- Thoroughly inspect the area where the equipment is to be used and remove all doormats, sleds, boards, wires, and other foreign objects.
- Disengage all clutches and shift into neutral before starting the engine.
- Do not operate the equipment without wearing adequate winter garments. Avoid loose fitting clothing that can get caught in moving parts. Wear footwear that will improve footing on slippery surfaces.
- Handle fuel with care; it is highly flammable.
 - a. Use an approved fuel container.
 - b. Never add fuel to a running engine or hot engine.
 - c. Fill fuel tank outdoors with extreme care. Never fill fuel tank indoors.
 - d. Never fill containers inside a vehicle or on a truck or trailer bed with a plastic liner. Always place containers on the ground, away from your vehicle, before filling.
 - e. When practical, remove gas-powered equipment from the truck or trailer and refuel it on the ground. If this is not possible, then refuel such equipment on a trailer with a portable container, rather than from a gasoline dispenser nozzle.
 - f. Keep the nozzle in contact with the rim of the fuel tank or container opening at all times, until refueling is complete. Do not use a nozzle lock-open device.
 - g. Replace gasoline cap securely and wipe up spilled fuel.
 - h. If fuel is spilled on clothing, change clothing immediately.
- Adjust the collector housing height to clear gravel or crushed rock surface.
- Never attempt to make any adjustments while the engine is running (except when specifically recommended by the manufacturer).
- Let engine and machine adjust to outdoor temperatures before starting to clean snow.
- Always wear safety glasses or eye shields during operation or while performing an adjustment or repair to protect eyes from foreign objects that may be thrown from the machine.

UP00731,00002DF-19-18FEB15

Operation

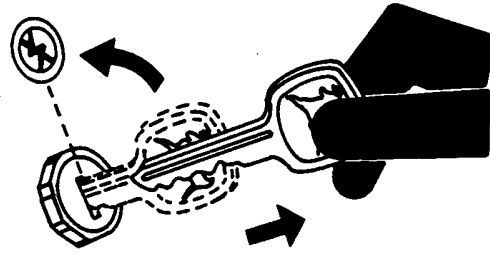
- Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.
- Exercise extreme caution when operating on or crossing gravel drives, walks, or roads. Stay alert for hidden hazards or traffic.
- After striking a foreign object, stop the engine,

remove the spark plug wire, or disconnect battery. Thoroughly inspect the snowblower for any damage, and repair the damage before restarting and operating the snowblower.

- If the unit starts to vibrate abnormally, stop the engine and check immediately for the cause.
- Stop the engine whenever you leave the operating position, before unclogging the collector or impeller housing, or discharge guide, and when making any repairs, adjustments, or inspections.
- When leaving the machine unattended, disengage the power take-off, lower the attachment, lock the park brake, stop the engine, and remove the key.
- When cleaning, repairing, or inspecting, make certain the collector or impeller and all moving parts have stopped. To prevent accidental starting, disconnect the spark plug wire and keep the wire away from the plug.
- Do not run the engine indoors, except when starting the engine and for transporting the snowblower in or out of the building. Open the outside doors; exhaust fumes are dangerous.
- Do not clear snow across the face of slopes, go up and down. Exercise extreme caution when operating on slopes. Do not attempt to clear steep slopes.
- Operate the snowblower with proper guards, and other safety protective devices are in place.
- Never direct the discharge toward people or areas where property damage can occur. Keep children and others away.
- Do not overload the machine capacity by attempting to clear snow at too fast a rate.
- Never operate the machine at high transport speeds on slippery surfaces. Look behind and use care when backing.
- Do not carry passengers.
- Never direct discharge at bystanders or allow anyone in front of the unit.
- Disengage power to the collector or impeller when the snowblower is transported or not in use.
- Use only attachments and accessories approved by the manufacturer of the snowblower (such as wheel weights, counterweights, and cabs).
- Never operate the snowblower without good visibility or light.

PR59899,00005AA-19-13JAN21

Park Machine Safely



TS230—UN—24MAY89

Before working on the machine:

- Lower all equipment to the ground.
- Stop the engine and secure the machine. If equipped, remove the key before leaving the machine unattended.
- Disconnect the battery ground strap.
- Hang a "DO NOT OPERATE" tag in operator station.

DX,PARK-19-25NOV25

Clearing a Clogged Discharge Chute

- Hand contact with the rotating impeller inside the discharge chute is the most common cause of injury associated with snowblowers. Never use your hand to clean out the discharge chute.
- To clear the chute:
 - a. Shut the engine off.
 - b. Wait ten seconds to be sure the impeller blades have stopped rotating.
 - c. Always use a clean-out tool, not your hands.

TH84124,0000138-19-06JUN13

Maintenance and Storage

- Check shear bolts and other bolts at frequent intervals for proper tightness to be sure the equipment is in safe working condition.
- Never store the machine with fuel in the fuel tank inside a building where ignition sources are present such as hot water and space heaters, and clothes dryers. Allow the engine to cool before storing in any enclosure.
- Always refer to operator's manual for important details if the snowblower is to be stored for an extended period.
- Maintain or replace safety and instruction labels as necessary.

- Run the machine a few minutes after blowing snow to prevent freeze up of the collector or impeller.

TH84124,0000139-19-06JUN13

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.

TH84124,000013A-19-22MAY13

Avoid Injury from Moving Parts

Before cleaning, repairing, or inspecting, make certain all moving parts have stopped. Disconnect the tractor spark plug wire or battery to prevent accidental starting.

Do not put hands or feet near or under rotating parts. Keep clear of any discharge area at all times.

Protect your hands when you inspect or unplug the attachment. Wear gloves and use proper tools.

Before you dismount to unplug or adjust attachment:

- Disengage PTO.
- Stop the engine.
- Lock the park brake.
- Remove the key.
- Wait for all moving parts to stop.
- Keep hands, feet and clothing away from attachment when engine is running.

TH84124,000013B-19-22MAY13

Avoid Injury from Hitting Obstructions

- Raise the attachment when driving between jobs.
- Drive at slow speeds when using the attachment. Be cautious of hidden obstacles.

TH84124,000013C-19-22MAY13

Stay Clear of Rotating Drivelines



TS1644—UN—22AUG95

Entanglement in rotating driveline can cause serious injury or death.

Keep all shields in place at all times. Make sure rotating shields turn freely.

Wear close-fitting clothing. Stop the engine and be sure that all rotating parts and drivelines are stopped before making adjustments, connections, or performing any type of service on engine or machine driven equipment.

DX,ROTATING-19-18AUG09

Avoid High-Pressure Fluids



X9811—UN—23AUG88

Inspect hydraulic hoses periodically—at least once per year—for leakage, kinking, cuts, cracks, abrasion, blisters, corrosion, exposed wire braid or any other signs of wear or damage.

Replace worn or damaged hose assemblies immediately with John Deere approved replacement parts.

Escaping fluid under pressure can penetrate the skin causing serious injury.

Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure.

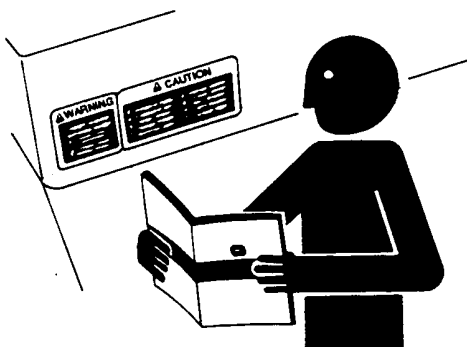
Search for leaks with a piece of cardboard. Protect hands and body from high-pressure fluids.

In case of accidental skin injection, seek immediate surgical treatment.

DX,FLUID-19-05NOV25

Safety Labels

Replace Safety Signs



TS201—UN—15APR13

Replace missing or damaged safety signs. Use this operator's manual for correct safety sign placement.

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

DX,SIGNS-19-18AUG09

CAUTION

To avoid injury from loss of braking or steering,

- Install ballast per operator's manual.

PR59899,00005AB-19-24DEC20

Avoid Injury from Rotating Auger

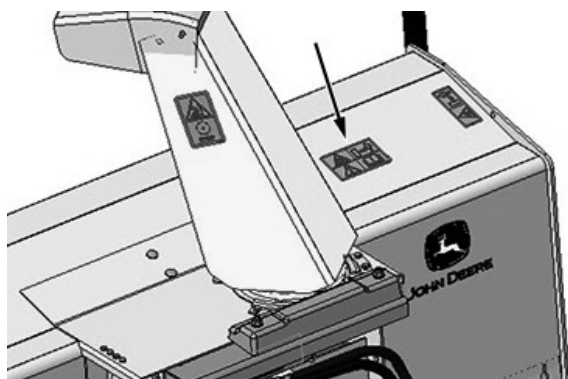


LV29995—UN—22MAR18

Avoid Injury from Thrown Object

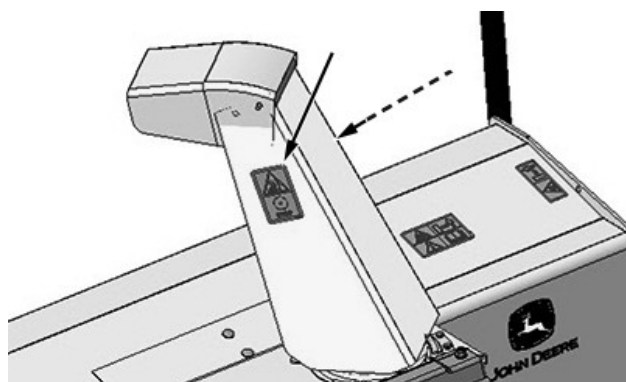


LV29996—UN—22MAR18



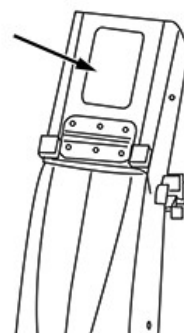
LV30004—UN—17APR18

Snowblower



LV30003—UN—18APR18

59 Snowblower



LV30015—UN—28MAR18

47 & 54 Snowblower

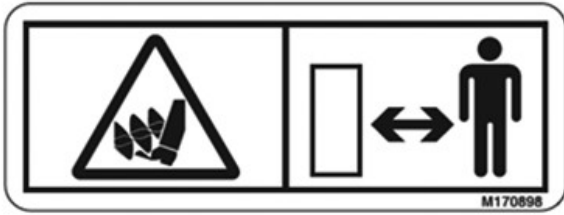
WARNING

- Read operator's manual.
- Keep all shields in place.
- Keep bystanders a safe distance away.

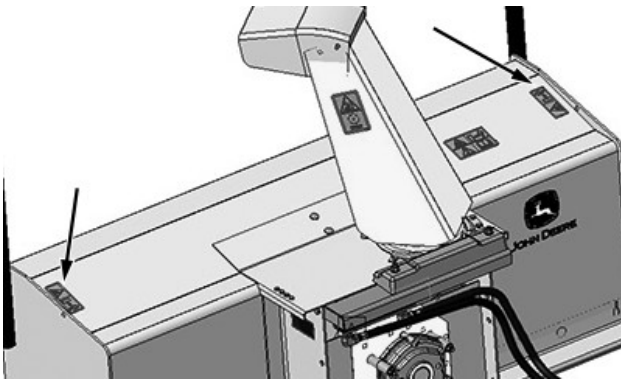
To avoid injury from rotating auger, keep hands, feet, and clothing away.

AL61114,000070B-19-07APR21

Avoid Injury from Rotating Blades



LV29994—UN—22MAR18

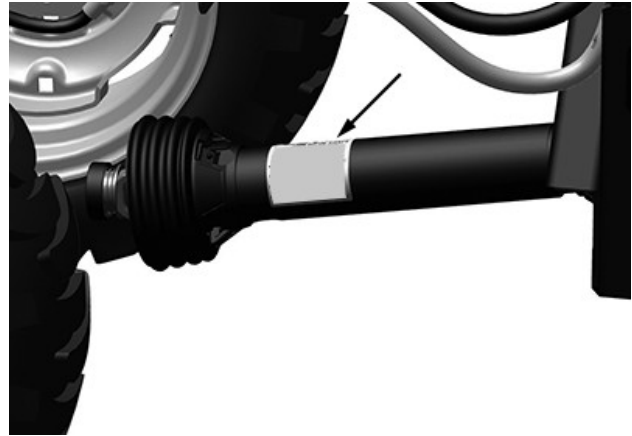


Snowblower Chute

LV30007—UN—17APR18

- Shut off engine before unclogging discharge chute.

PR59899,00005AD-19-24DEC20



Driveshaft

LV30040—UN—17APR18

ROTATING DRIVESHAFT
CONTACT CAN CAUSE DEATH
KEEP AWAY!

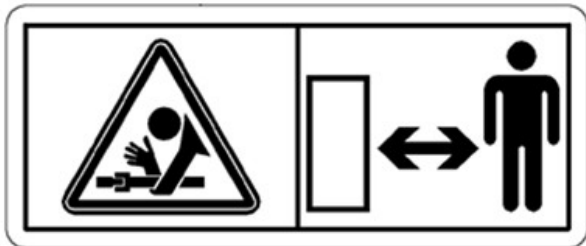
Do not operate without:

- All driveshaft guards, tractor, and equipment shields in place
- Driveshaft securely attached at both ends
- Driveshaft guards that turn freely on driveshaft
- Reading operator's manual

DO NOT USE PTO ADAPTERS

PR59899,00005AE-19-13JAN21

Stay Clear of Rotating Drivelines

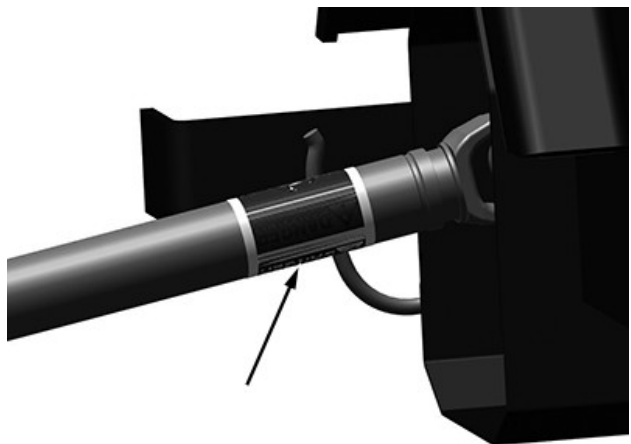


LV29997—UN—22MAR18

Avoid Operating - Guard Missing



LV24963—UN—12APR16



LV24150—UN—09OCT15

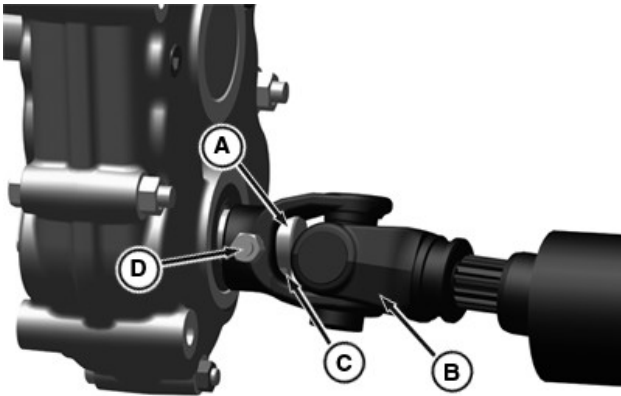
Driveline

DANGER
GUARD MISSING
DO NOT OPERATE

PR59899,00005AF-19-06JAN21

Assemble Snowblower

Install Driveshaft on Snowblower



LVP11494—UN—08JAN21

A—Driveshaft Coupler
B—Gear Case Shaft
C—Shaft Key (5/16 x 2 in)
D—Cap Screw and Lock Nut

1. Install shaft key (C), align holes and key slot of the driveshaft coupler (A) with the gear case shaft (B), then slide the driveshaft on.
2. With the driveshaft on the gear case shaft, line up the bolt holes and secure using cap screw and lock nut (D).

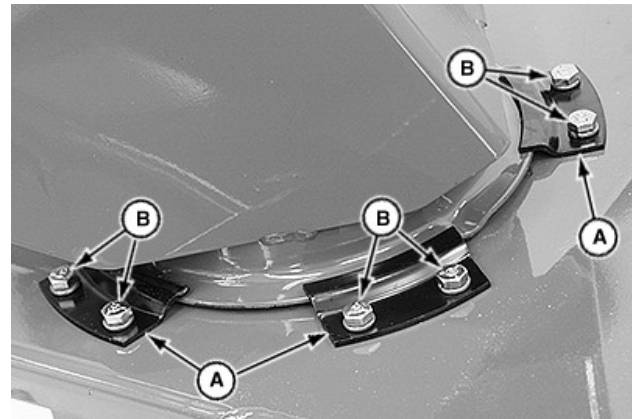
AL61114,000070D-19-09APR21

Install Chute



LVP11369—UN—26MAR21

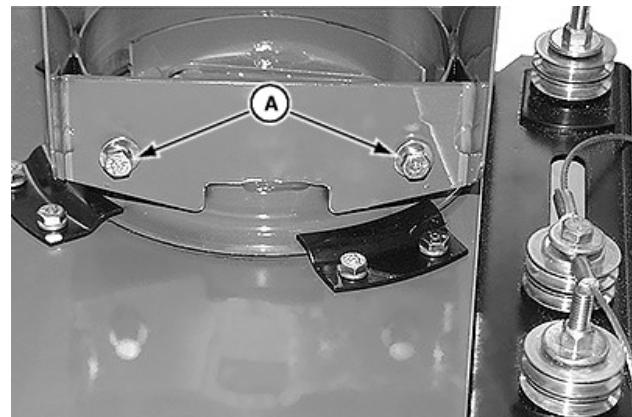
1. Apply grease on the bottom and inside flange of the discharge chute.
2. Place discharge chute over auger opening on the auger housing.



LV23148—UN—23SEP14

A—Clip (4 used)
B—Cap Screw (5/16 x 3/4 in), Lock Washer, and Nut (8 used)

3. Install clips (A) with cap screws, lock washers, and nuts (B).
4. Turn chute so spout faces left.



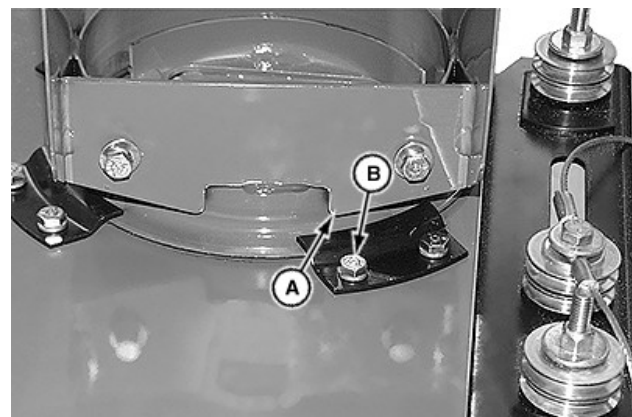
LV23149—UN—23SEP14

A—Cap Screw (5/16 x 3/4 in) and Washer (M9 x 28 mm) (2 used)

5. Install cap screws and washers (A) in chute threaded holes, and tighten by two or three turns.

AL61114,000070E-19-09APR21

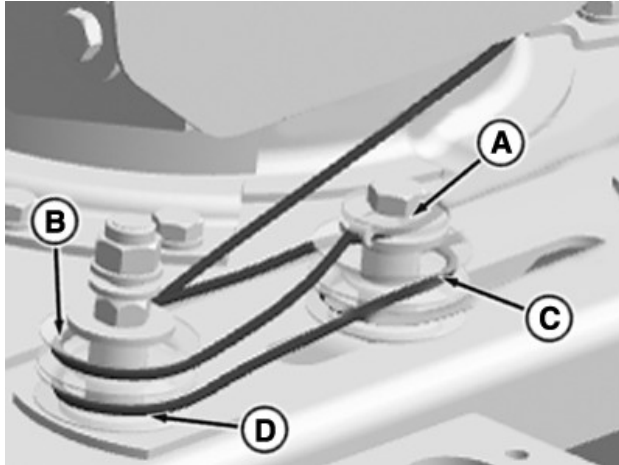
Route Chute Cables



LV23150—UN—23SEP14

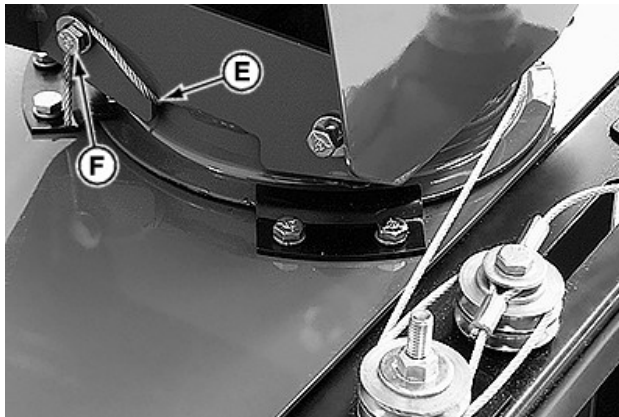
A—Tab
B—Screw

1. Move chute so tab (A) on chute is in line with edge of screw (B). Chute opening is towards the left-hand side.



LVP11374—UN—09APR21

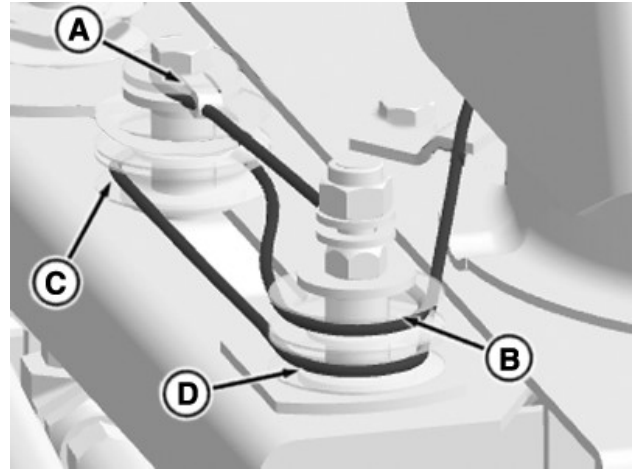
Right Cable Hidden for Clarity



LVP11376—UN—09APR21

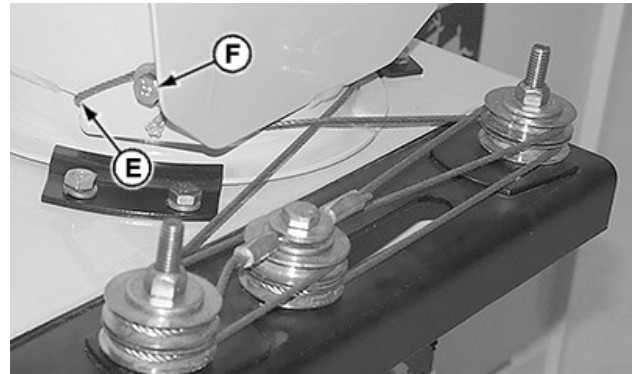
A—Washer
B—Top Left Pulley
C—Top Center Pulley
D—Bottom Left Pulley
E—Tab
F—Cap Screw

2. Route left (long) cable:
 - a. Behind washer (A).
 - b. Around the top left pulley (B).
 - c. Around the top center pulley (C).
 - d. Around the bottom left pulley (D).
 - e. Around chute.
 - f. Under tab (E).
3. Use locking pliers to pull cable tight.
4. Tighten cap screw (F).



LVP11375—UN—09APR21

Left Cable Hidden for Clarity



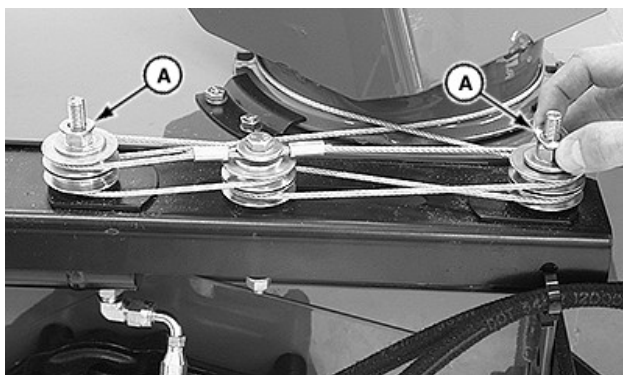
LVP11377—UN—09APR21

A—Washer
B—Top Right Pulley
C—Bottom Center Pulley
D—Bottom Right Pulley
E—Tab
F—Cap Screw

5. Route right (short) cable:
 - a. Behind washer (A).
 - b. Around the top right pulley (B).
 - c. Around the bottom center pulley (C).
 - d. Around the bottom right pulley (D).
 - e. In front of chute.
 - f. Under tab (E).
6. Use locking pliers to pull cable tight.
7. Tighten cap screw (F).
8. Move the chute back to original position.

AL61114,000070F-19-12APR21

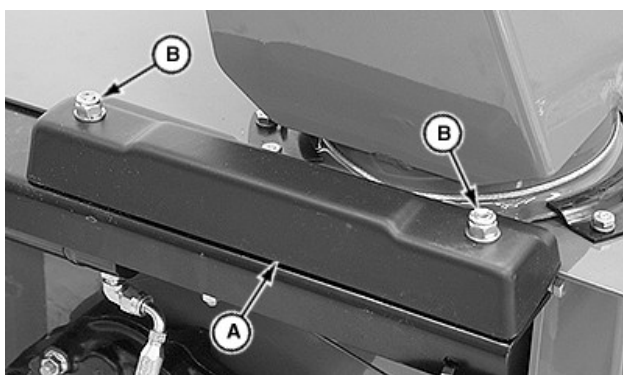
Install Cable Shield



LV23153—UN—23SEP14

A—Washer (M10.5 x 20 mm)

1. Install washer (A) on each cable shield bolt.



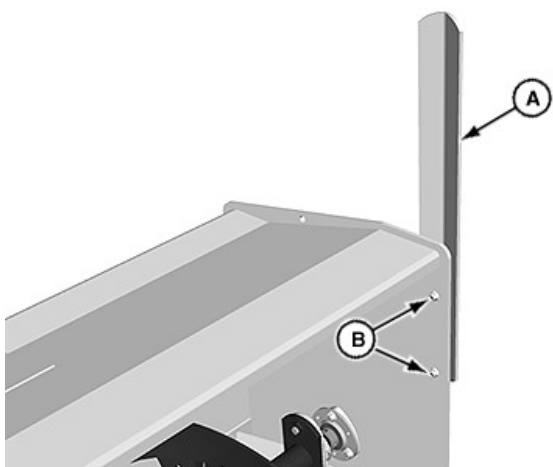
LV23154—UN—23SEP14

A—Cable Shield
B—Washer (M10.5 x 20 mm) and Stop Nut (3/8 in) (2 used)

2. Install cable shield (A).
3. Install washers and stop nuts (B).

AL61114,0000710-19-09APR21

Install Drift Blades



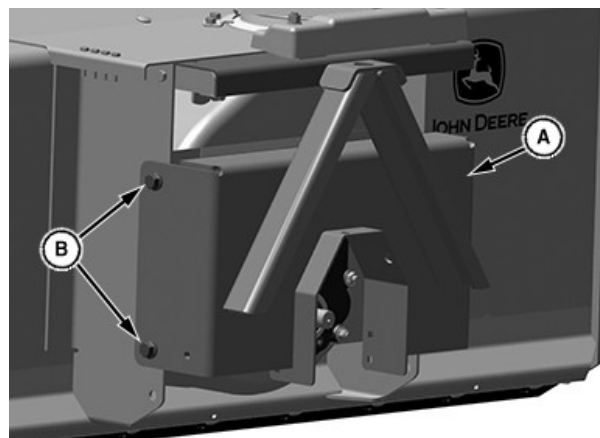
LV23155—UN—23SEP14

A—Drift Blade
B—Bolt (M6 x 30 mm) and Lock Nut (M6) (4 used)

Fasten drift blade (A) to each side of the auger housing using bolts and lock nuts (B).

AL61114,0000711-19-09APR21

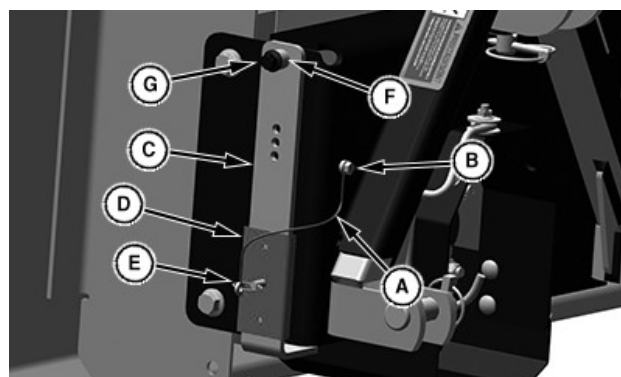
Install A-Frame Mount



LV24141—UN—07OCT15

A—Adapter
B—Cap Screw (M12 x 50 mm), Washer (M13 x 37 mm), and Lock Nut (M12) (4 used)

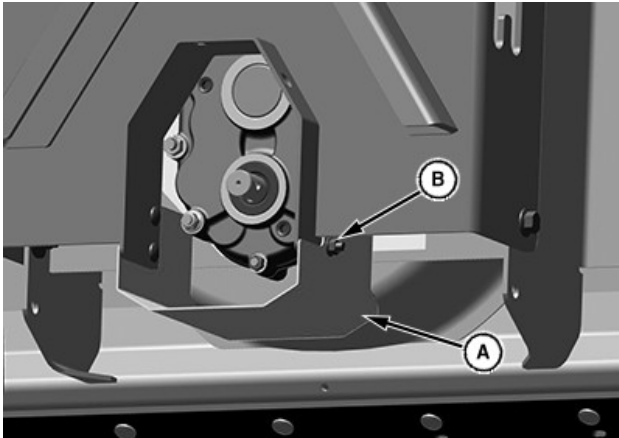
1. Install A-frame receiver adapter (A) on the auger housing with cap screws, washers, and lock nuts (B).



LV24983—UN—13APR16

A—Pin Retainer
B—Cap Screw
C—Parking Stand
D—Bracket
E—Locking Pin
F—Spacer
G—Cap Screw

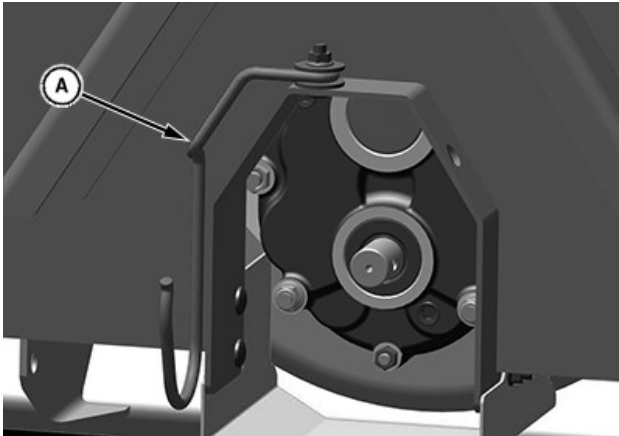
2. Install locking pin retainer (A) on adapter and secure with the cap screw (B) and nut.
3. Slide parking stand (C) through bracket (D).
4. Install locking pin (E) to secure in up position.
5. Install spacer (F) and cap screw (G).



LV24143—UN—07OCT15

A—Shield
B—Nut

6. Install shield (A) on adapter and secure using cap screw and nut (B).



LV24145—UN—07OCT15

A—Wire Form

7. Install wire form (A) and two washers on adapter.
Secure using cap screw and nut.

AL61114,00006FA-19-12APR21

Install Snowblower on Tractor

Prepare Tractor

Required Equipment

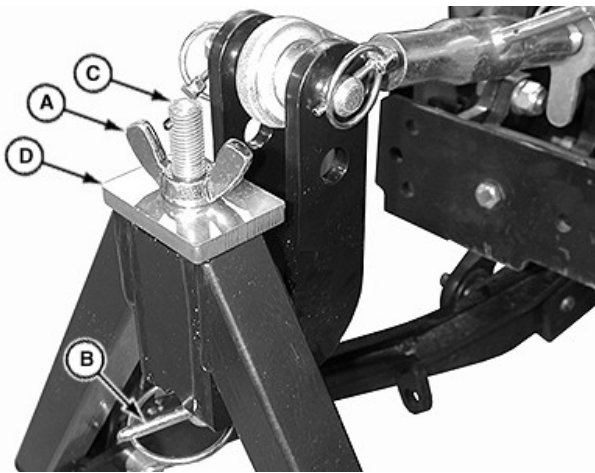
- Front PTO
- Front hitch

Install Ballast

Ballast is required when using the snowblower. See your tractor operator's manual or your John Deere dealer.

AL61114,0000704-19-02APR21

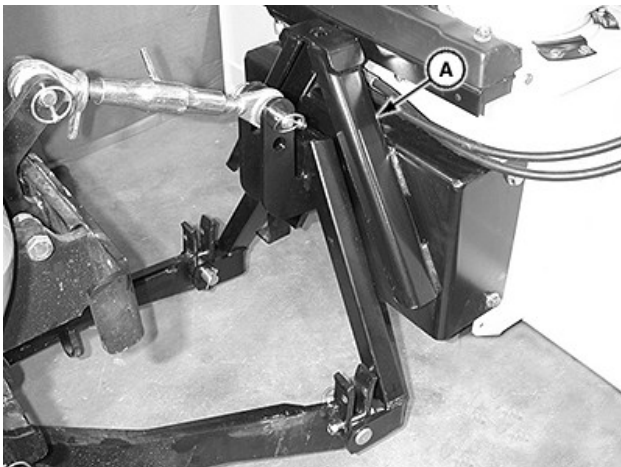
Installing Implements on Front Hitch with A-frame



LV23157—UN—23SEP14

A—Wing Nut
B—Quick-Lock Pin
C—Rod
D—Plate

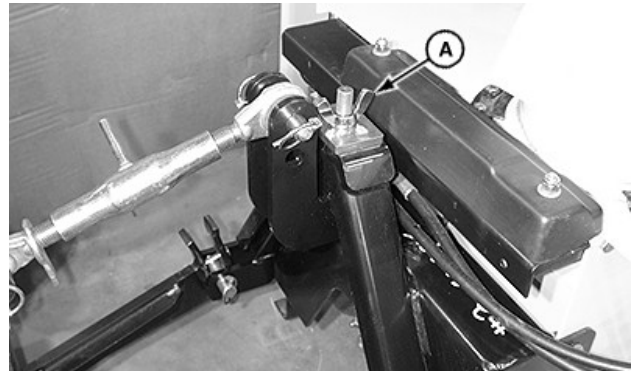
1. Loosen wing nut (A) and remove quick-lock pin (B).
2. Remove the retainer rod (C) with wing nut and retainer plate (D) from A-frame.



LV23158—UN—23SEP14

A—Mount

3. Drive tractor forward slowly, and align the A-frame with mount (A) on implement.
4. Raise the hitch to install the A-frame on mount.



LV23159—UN—23SEP14

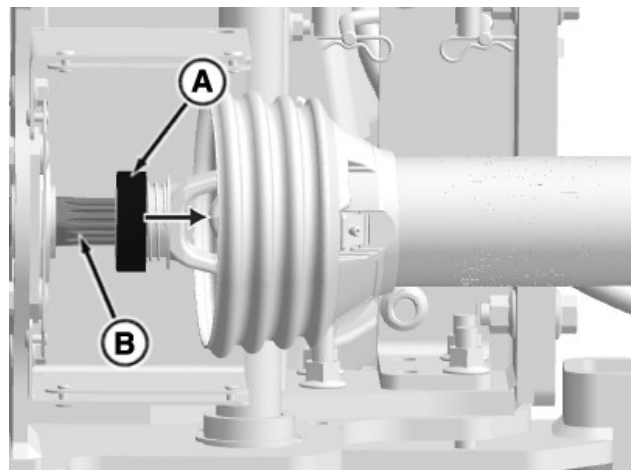
A—Wing Nut

5. Install the retainer rod with wing nut and retainer plate through mount and A-frame. Position wing nut (A) as required to install quick-lock pin in the retainer rod.
6. Tighten wing nut to secure implement to A-frame.
7. Install cotter pin in the small hole at the end of the retainer rod.

AL61114,0000706-19-02APR21

Connecting Driveshaft to Tractor

1. Park tractor safely.



LVP11370—UN—02APR21

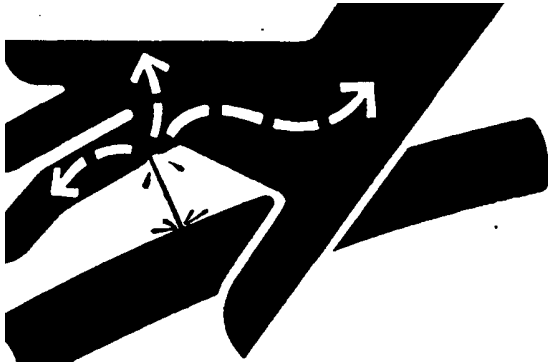
A—Coupler
B—PTO Shaft

2. Pull back coupler (A) on the driveshaft to open the collar lock.
3. Push the driveshaft onto the tractor PTO shaft (B) until coupler locks.

AL61114,0000707-19-02APR21

Connecting Hydraulic Hoses

1. Park tractor safely. (See Parking Safely in SAFETY Section of the tractor operator's manual.)

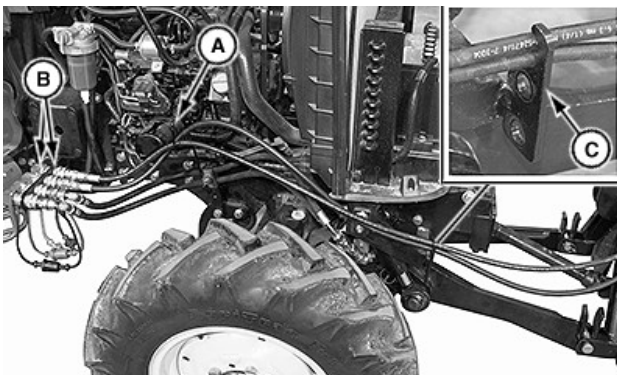


X9811—UN—23AUG88

CAUTION: Escaping fluid under pressure can penetrate the skin causing serious injury. Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure. Search for leaks with a piece of cardboard. Protect hands and body from high-pressure fluids.

If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result. Doctors unfamiliar with this type of injury should reference a knowledgeable medical source. Such information is available from Deere & Company Medical Department in Moline, Illinois, U.S.A.

2. Review the information in the tractor operator's manual about using the hydraulic selective control valves (SCV).
3. Move the tractor dual SCV lever rearward-to-forward and side-to-side several times to relieve the hydraulic pressure.
- 4.



LV23160—UN—23SEP14

Tractors with Mid-Mount Couplers

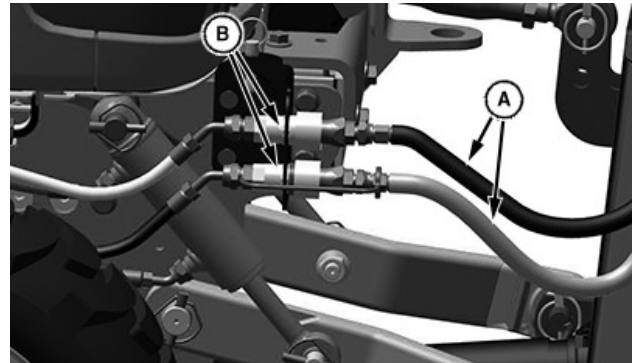
A—Hose Support
B—Couplers

C—Bracket

Route hydraulic hoses for tractors with mid-mount couplers:

- a. Route snowblower hydraulic hoses through front hitch hose support (A) and install hoses in SCV couplers (B) with matching yellow and red coupler dust plugs.
- b. Install coupler dust plugs in hose dust covers for storage.

5.



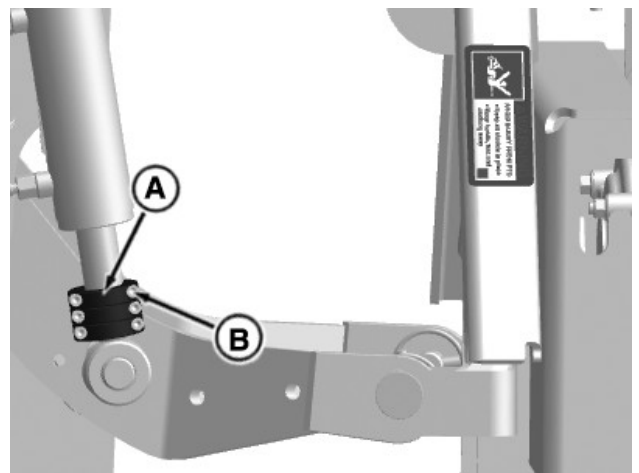
LV24144—UN—12OCT15

Tractors with Front-Mount Couplers

A—Hydraulic Hose
B—Front Couplers

Route hydraulic hoses for tractors with front-mount couplers:

- a. Remove front hose extensions from snowblower.
- b. Install couplers on shorter hydraulic hoses (A) and connect to front couplers (B).



LVP11373—UN—09APR21

A—Spacer (3 used)
B—Spacer Screw (6 used)

For 2025R Only

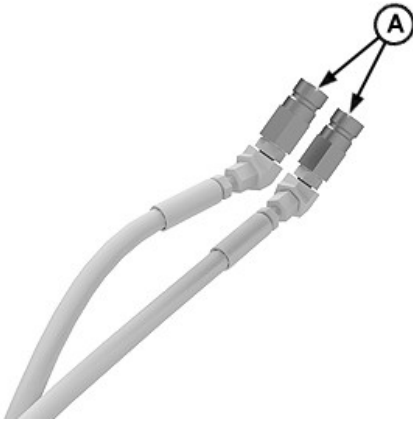
1. Install the spacer kit on the hitch hydraulic cylinder.

Stack the spacers (A) on top of each other at the bottom of the cylinder piston rod.

IMPORTANT: Spacers must be installed at the bottom of the piston rod to avoid damage.

2. Tighten the spacer screws (B) to ensure that spacers do not slide on the rod during the hitch operation.

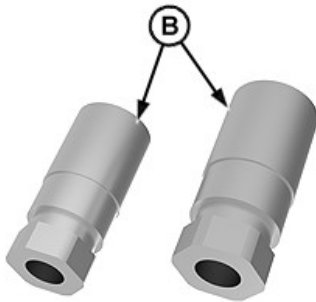
For Models Equipped with Single Point Hydraulic Connection



LVP18204—UN—19JUN23

A—Hydraulic Quick Coupler Plug

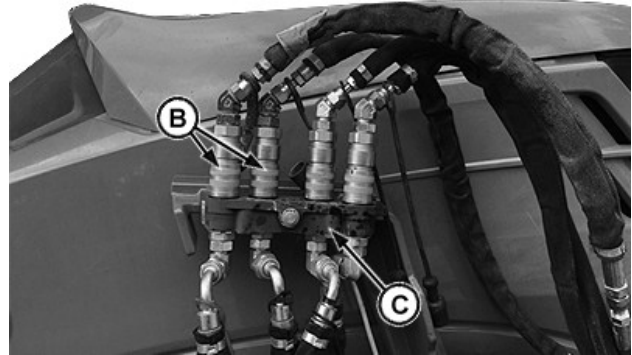
1. Remove hydraulic quick coupler plug (A) from snowblower kit.



LVP18205—UN—19JUN23

B—Hydraulic Quick Connect Coupler (Item in kit BXX11234 parts list)

2. Install hydraulic quick connect coupler (B) to snowblower kit.



LVP18206—UN—19JUN23

C—Single Point Hydraulic Connection (SPHC)

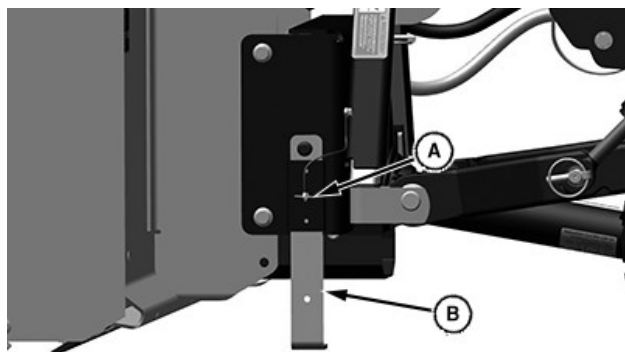
3. Install hydraulic quick connect coupler (B) to single point hydraulic connection (C).
4. Start the engine and check for leaks. Repair any leaks found.
5. Check the hydraulic oil level. Add oil if necessary.

AL61114,0000708-19-19FEB26

Remove Snowblower from Tractor

Set Parking Stand

1. Park tractor safely.



A—Locking Pin
B—Parking Stand

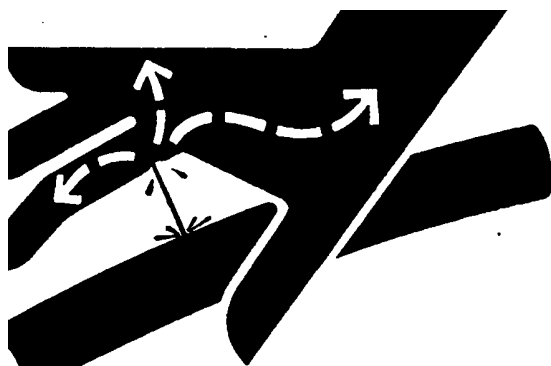
LV24977—UN—13APR16

2. Move the parking stand (B) to the down position before removing the snowblower.
 - a. Remove the locking pin (A) from the parking stand (B).
 - b. Slide parking stand (B) down.
 - c. Install the locking pin (A) to lock the parking stand (B) in position.

DN39857,000036B-19-07APR21

Disconnect Hydraulic Hoses

1. Park tractor safely.

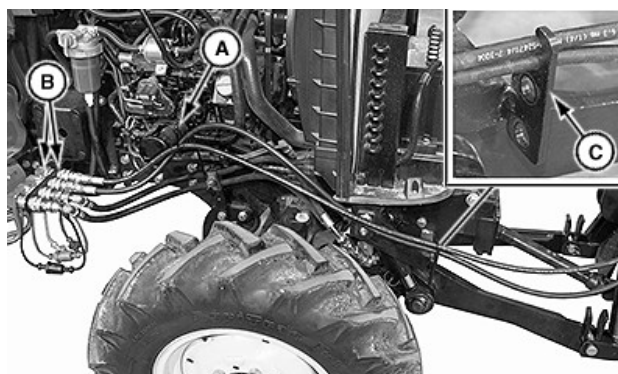


X9811—UN—23AUG88

CAUTION: Escaping fluid under pressure can penetrate the skin causing serious injury. Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure. Search for leaks with a piece of cardboard. Protect hands and body from high-pressure fluids.

If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene can result. Doctors unfamiliar with this type of injury must reference a knowledgeable medical source. Such information is available from Deere & Company Medical Department in Moline, Illinois, U.S.A.

2. Move the tractor dual SCV lever rearward-to-forward and side-to-side several times to relieve the hydraulic pressure.
3. Disconnect hydraulic hoses:

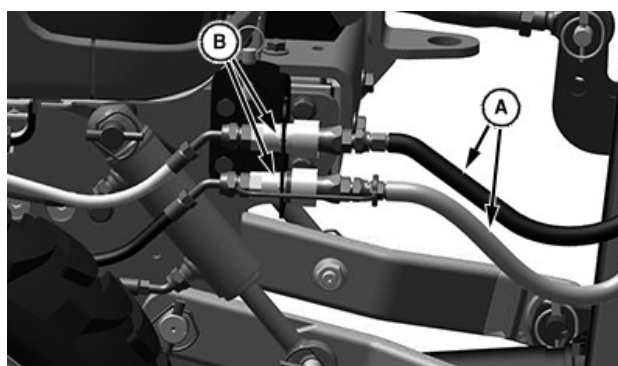


LV23160—UN—23SEP14

Tractors with Mid-Mount Couplers

A—Hose Support
B—Couplers
C—Bracket

- a. **For tractors with mid-mount couplers:**
Disconnect hydraulic hoses from SCV couplers (B) and remove hoses from front hitch hose support (A) and front hitch support bracket (C).



LV24144—UN—12OCT15

Tractors with Front-Mount Couplers

A—Hydraulic Hose
B—Front Couplers

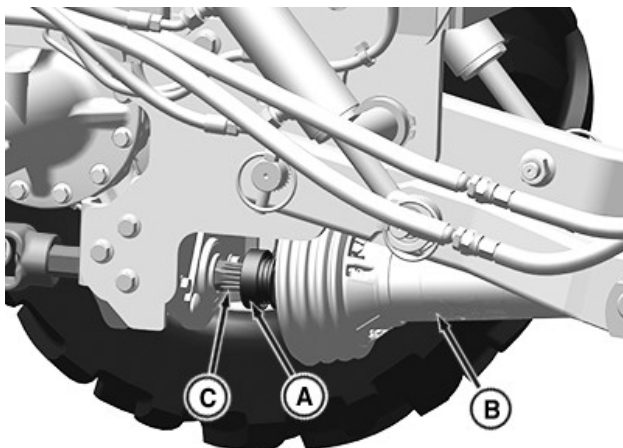
- b. **For tractors with front-mount couplers:**
Disconnect hydraulic hoses (A) from front SCV couplers (B).
4. Install dust covers on hose ends, and secure hoses to snowblower.

5. Install SCV coupler dust plugs in couplers.

DN39857,000036C-19-07APR21

Disconnect Driveshaft from Tractor

1. Park tractor safely.



LVP11629—UN—06APR21

A—Coupler
B—Driveshaft
C—PTO Shaft

2. To release the collar, pull back coupler (A) on driveshaft (B).
3. Remove the driveshaft (B) from the tractor PTO shaft (C).

DN39857,000036D-19-07APR21

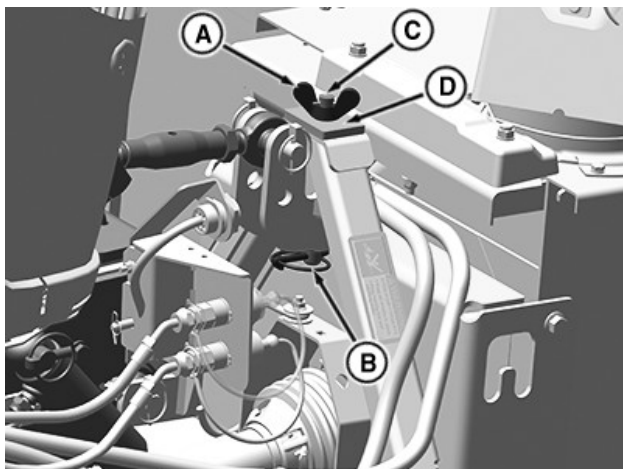
B—Quick-Lock Pin
C—Rod
D—Plate

3. Loosen wing nut (A) and remove quick-lock pin (B).
4. Remove the retainer rod (C) with wing nut and retainer plate (D).
5. Lower the hitch to remove the A-frame from the implement mount, and slowly back tractor away from implement.
6. Install the retainer rod with wing nut and retainer plate on the A-frame with quick-lock pin.

DN39857,000036E-19-06APR21

Remove Implements from Front Hitch with A-frame

1. Park tractor safely.
2. Lower snowblower onto the level surface and set parking stand.



LVP11628—UN—06APR21

A—Wing Nut

Storage

Store Attachment

NOTE: Not necessarily all the procedures are applicable to your attachments. Validate the steps with your product.

1. Remove attachment from the machine.
2. Clean attachment and driveline, if equipped.
3. To clean out all debris, remove any shields.
4. Repair or replace worn, bent, or damaged parts.
Tighten loose hardware.
5. To prevent rust, do the following:
 - a. Apply paint to painted surfaces if necessary.
 - b. Apply thin coat of grease to blades.
 - c. Lubricate any pivot points with engine oil.
 - d. Lubricate any grease points.

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

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

DN39857,000036A-19-25MAR21

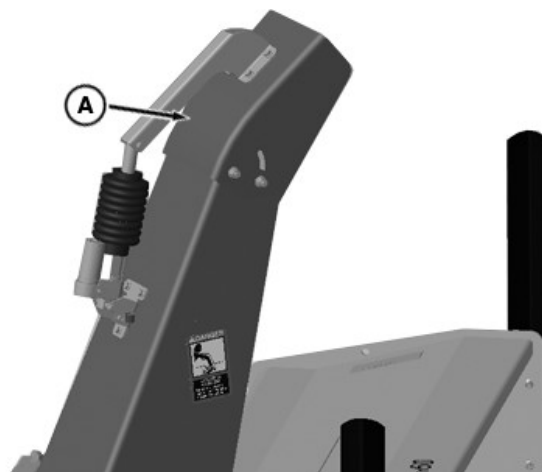
Operation

Raise and Lower Snowblower

IMPORTANT: Avoid damage! Turn PTO OFF before raising snowblower to the full hitch height.

1. Review the tractor operator's manual for information about the use of selective control valves.
2. To lower the snowblower, move dual SCV lever forward.
3. To raise the snowblower, move dual SCV lever rearward.

DN39857,000036F-19-07APR21



LVP11492—UN—08JAN21

Operate Discharge Chute

1. Review the tractor operator's manual for information about the use of selective control valves.
2. To rotate the chute to the right, move dual SCV lever to right.
3. To rotate the chute to the left, move dual SCV lever to left.

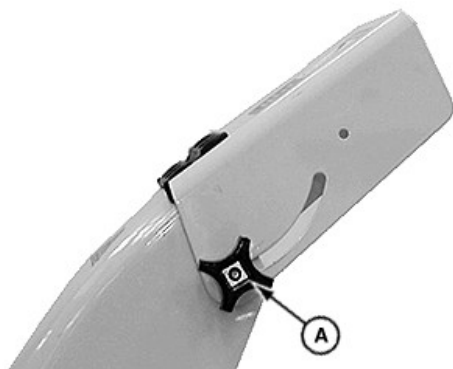
DN39857,0000370-19-07APR21



LVP11630—UN—06APR21

Adjust Spout - Manual

1. Park tractor safely. (See Parking Safely in Safety Section of the tractor operator's manual.)



A—Knob

LV23163—UN—23SEP14

2. Loosen the knob (A).
3. Tilt the spout to the desired angle.
4. Tighten the knob.

PR59899,00005A5-19-07APR21

A—Spout
B—Rocker Switch

1. Operate the rocker switch (B) to change the angle of the spout (A).
2. Push top of the rocker switch (B) to raise and bottom to lower the spout.

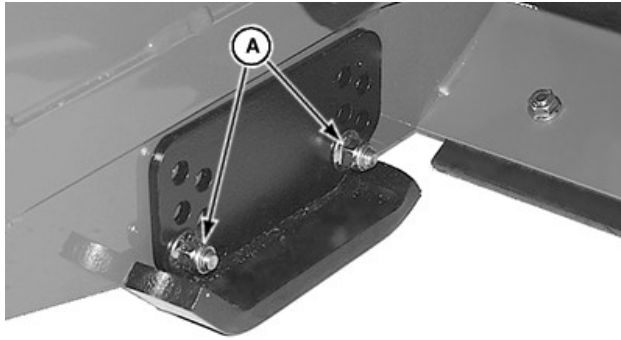
DN39857,0000371-19-06APR21

Adjust Skid Shoes

1. Raise the snowblower.
2. Put blocks under scraper blade on both sides of snowblower.
3. Lock park brake.
4. Stop the engine and remove key.
5. Lower snowblower onto blocks.

Adjust Spout - Electric

NOTE: Angle of the spout can be changed at any time during the snowblower operation.



LV23179—UN—23SEP14

A—Nuts

6. Remove nuts (A) and bolts from each skid shoe.

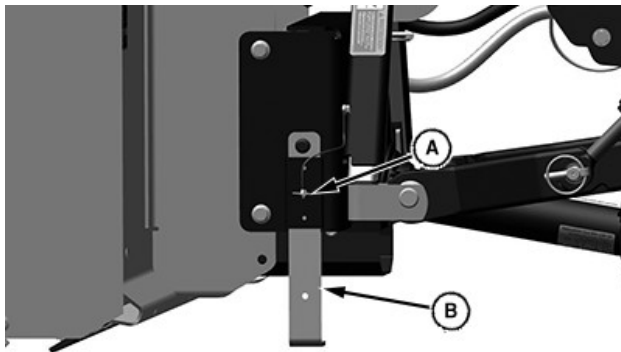
NOTE: Both skid shoes must be installed in the same position.

7. Install bolts and nuts in holes to raise or lower the scraper blade. Each hole changes the blade height by 13 mm (1/2 in).
8. Replace the old skid shoe with the new skid shoe if necessary.

DN39857,0000373-19-06APR21

Use Park Stand

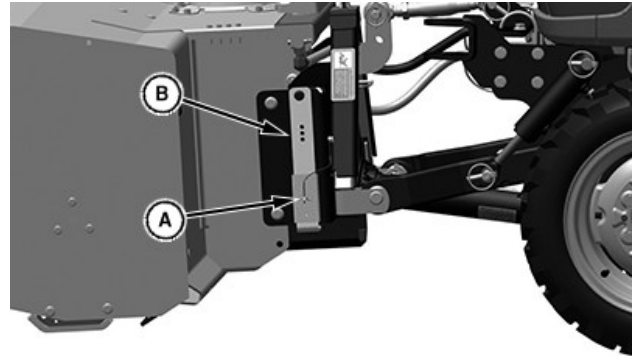
1. Park tractor safely.
2. Move the parking stand to the up position before operating the snowblower.



LV24977—UN—13APR16

**A—Locking Pin
B—Parking Stand**

- a. Remove the locking pin (A) from the parking stand (B).
 - b. Slide parking stand (B) up.
 - c. Install the locking pin (A) to lock the parking stand (B) in up position.
3. Move the parking stand to the down position before removing the snowblower.



LV24980—UN—13APR16

**A—Locking Pin
B—Parking Stand**

- a. Remove the locking pin (A) from the parking stand (B).
- b. Slide parking stand (B) down.
- c. Install the locking pin (A) to lock the parking stand (B) in down position.

DN39857,0000372-19-07APR21

Operate Snowblower

Review the tractor operator's manual for information about the use of selective control valves and PTO.

NOTE: Do not leave PTO engaged with snowblower at the full raised height, or during transport.

Engage Snowblower

1. Start the tractor engine.
2. Push dual SCV lever forward to lower the snowblower to the ground and lock in the float position.
3. Adjust the engine throttle setting to 1500 rpm.
4. Engage PTO.

NOTE: Operate the snowblower at full throttle for the best performance.

5. Move engine throttle to the full throttle position.
6. Unlock tractor park brake.
7. Begin forward travel slowly.

Disengage Snowblower

1. Stop the tractor.
2. Adjust the engine throttle setting to 1500 rpm.
3. Disengage PTO.
4. Push dual SCV lever forward to lower the snowblower to ground.

DN39857,0000375-19-07APR21

Transport Snowblower

 **CAUTION: Avoid injury! Use extra care when loading or unloading the machine into a trailer or truck.**

Close fuel shutoff valve, if your machine is equipped.

IMPORTANT: Avoid damage! Always lower attachment to trailer deck when transporting the snowblower.

1. Drive machine and attachment onto the heavy-duty trailer equipped with lights and signage required by law.
2. Lower attachment to the trailer deck.
3. Stop the engine.
4. Lock park brake.
5. Fasten the machine and attachment to deck with straps, chains, or cables.

DN39857,0000374-19-31MAR21

Service

Service Intervals

Before Each Use

- Lubricate discharge chute.

Every 25 Hours

- Check and clean auger gear case vent hole.
- Check auger gear case oil level.
- Check snowblower gear case oil level.
- Lubricate gear case shaft.
- Lubricate driveshaft.
- Lubricate auger shaft.

DN39857,0000383-19-12APR21

Grease

IMPORTANT: Avoid damage! Use recommended John Deere greases to avoid component failure and premature wear.

The recommended John Deere greases are effective within an average air temperature range of -29 to 135 °C (-20 to 275 °F).

If operating outside that temperature range, contact your Service dealer for a special-use grease.

The following greases are preferred:

- John Deere Multi-Purpose SD Polyurea Grease
- John Deere Multi-Purpose HD Lithium Complex Grease

If not using any of the preferred greases, be sure to use a general all-purpose grease with an NLGI grade No.2 rating.

Wet or high speed conditions may require use of a special-use grease. Contact your Service dealer for information.

DN39857,0000384-19-12APR21

Transmission Oil

Use oil viscosity based on the expected air temperature range during the period between oil changes.

John Deere GL-5 Gear Lubricant is recommended.

Other oils may be used if recommended John Deere oils are not available, provided they meet one or more of the following specifications:

- API Service Classification GL-5.
- Military Specification MIL-L-2105D.
- Military Specification MIL-L-2105C.

- Military Specification MIL-L-2105B.

Oils meeting Military Specification MIL-L-10324A may be used as arctic oils.

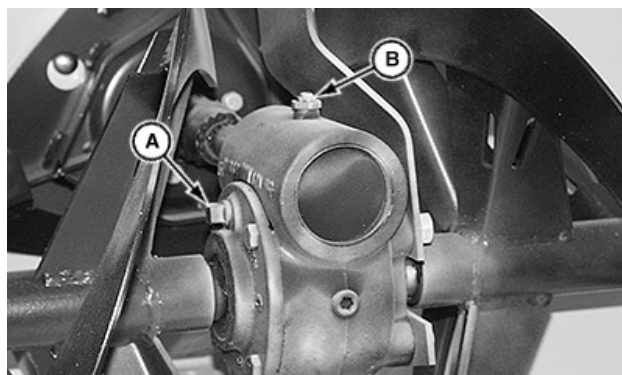
DN39857,0000385-19-12APR21

Check Auger Gear Case Oil Level

NOTE: Snowblowers have two different types of auger gear cases. One has the check plug option and the other does not. Refer to the correct procedure for your snowblower.

Snowblowers Equipped with Check Plug:

1. Park tractor safely.



LV23165—UN—23SEP14

A—Check Plug
B—Fill Plug

2. Remove the check plug (A).

IMPORTANT: Avoid damage! Check the vent hole in the fill plug when checking oil level. Vent hole must be clear of obstructions. Obstructed vent hole builds pressure in gear case and causes gear case to leak.

3. Ensure that oil is level with check plug hole.
4. Remove the fill plug (B).
5. Add recommended transmission oil as needed.
6. Install and tighten the fill plug and check plug.

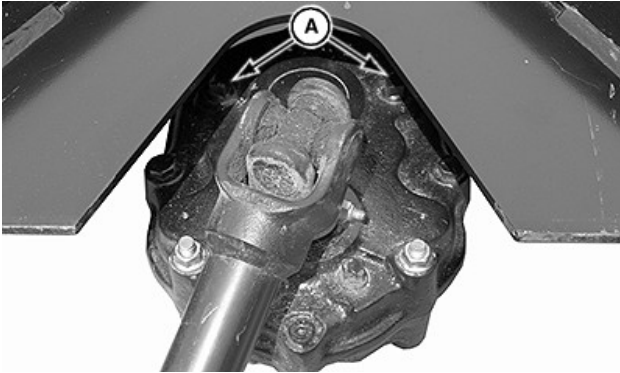
Snowblowers without Check Plug:

1. Park tractor safely.
2. Remove the fill plug (B). Keep oil level 25.4 mm (2 in) from the top fill hole.
3. Add recommended transmission oil as needed.
4. Install and tighten the fill plug.

DN39857,0000376-19-12APR21

Check Snowblower Gear Case Oil Level

1. Park tractor safely. (See Parking Safely in Safety Section of the tractor operator's manual.)



LV23166—UN—23SEP14

A—Check Plugs

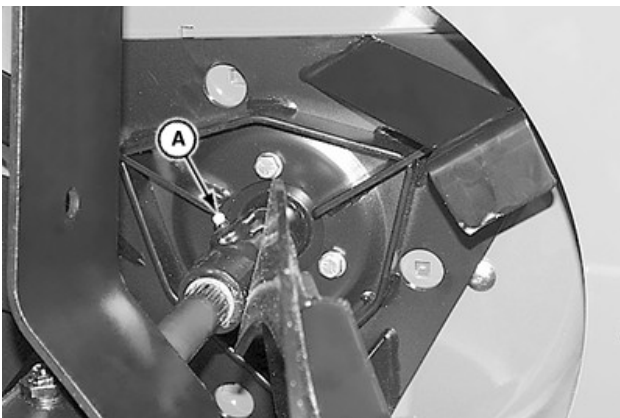
2. Remove one of the check plugs (A).
3. Ensure that oil is level with check plug hole.
4. Add recommended transmission oil as needed.
5. Install and tighten the plug.

DN39857,0000377-19-12APR21

Lubricate Gear Case Driveshaft

1. Park tractor safely.

IMPORTANT: To avoid damaging the seal, do not over-lubricate.



LV23167—UN—23SEP14

A—Fitting

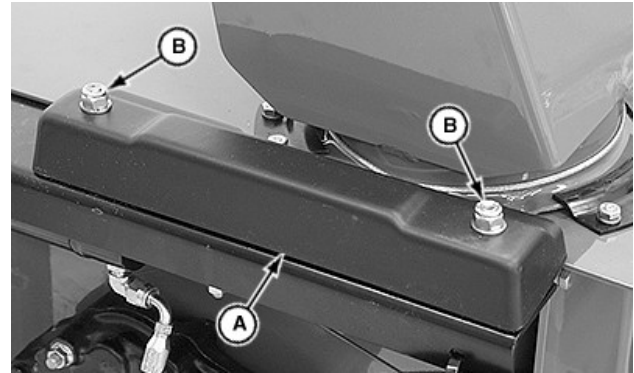
2. Lubricate fitting (A) with one or two shots of grease.

DN39857,0000378-19-12APR21

Lubricate Discharge Chute and Cable Pulleys

1. Start engine.

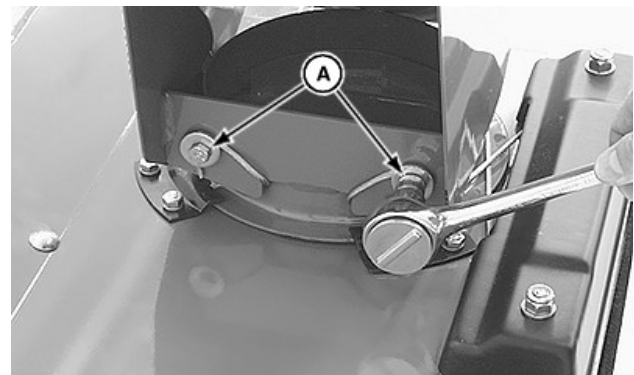
2. Turn the chute completely to left. Hydraulic cylinder must be retracted.
3. Park tractor safely. (See Parking Safely in Safety Section of the tractor operator's manual.)



LV23154—UN—23SEP14

A—Cable Shield B—Stop Nuts

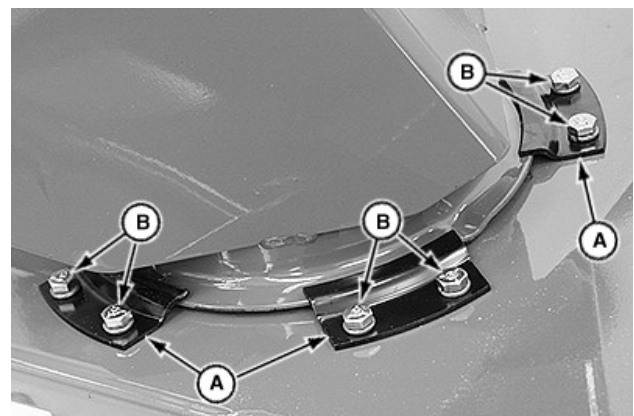
4. Remove stop nuts (B) and cable shield (A).



LV23172—UN—23SEP14

A—Cap Screws

5. Loosen cap screws (A).
6. Disconnect cable ends from chute.



LV23148—UN—23SEP14

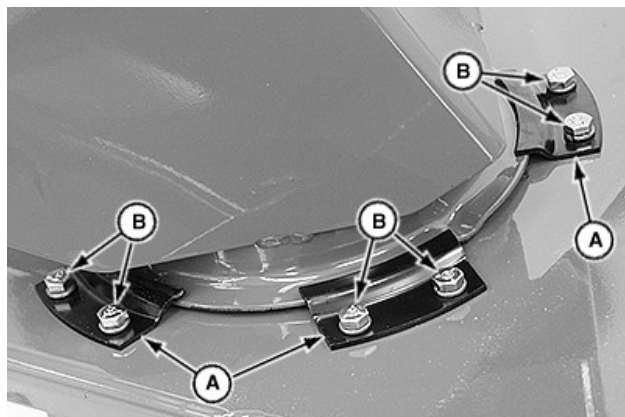
A—Clip (4 used) B—Cap Screw and Nut (8 used)

7. Remove cap screws and nuts (B).
8. To remove discharge chute, remove the clips (A).



LVP11369—UN—26MAR21

9. Apply grease on the bottom and inside flange of the discharge chute.
10. Place discharge chute over auger opening on the auger housing.



LV23148—UN—23SEP14

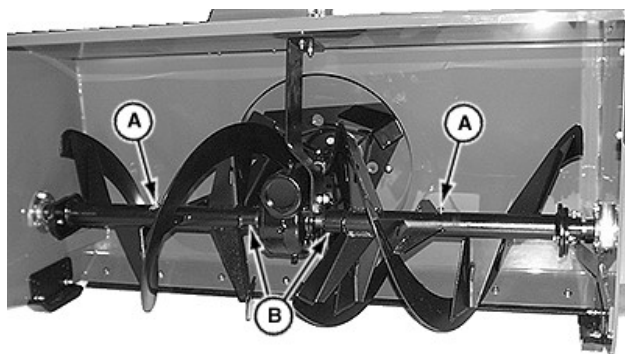
- A—Clip (4 used)**
B—Cap Screw (5/16 x 3/4 in), Lock Washer, and Nut (8 used)

11. Install clips (A) with cap screws, lock washers, and nuts (B).
12. Turn the chute so spout faces left. Route the two chute cables. (See Route Chute Cable in the assembly section.)
13. Apply light grease to cable pulleys.
14. Install the cable shield. (See Install Cable Shield in the assembly section.)

DN39857,0000379-19-12APR21

Lubricate Auger Shaft

1. Park machine safely.



LV23168—UN—23SEP14

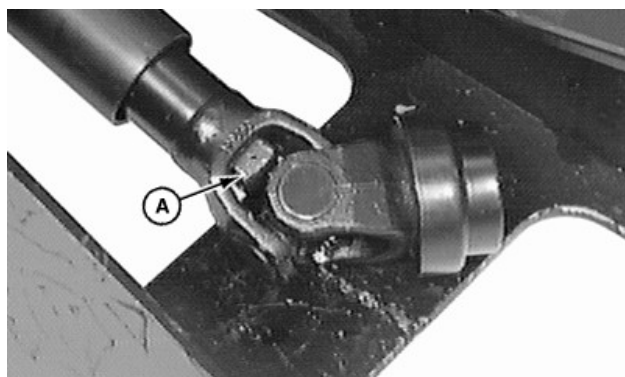
- A—Fittings**
B—Auger Shafts

2. Lubricate fittings (A) with grease until it just comes out of auger shafts (B).

DN39857,000037A-19-12APR21

Lubricate Driveshaft

1. Park machine safely.
2. Lubricate all U-joint fittings with one or two shots of grease.



LV23170—UN—23SEP14

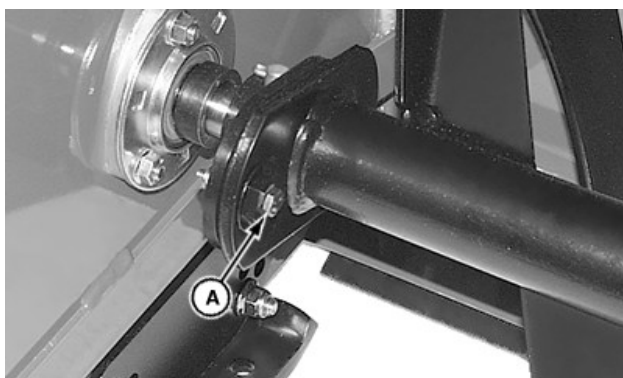
- A—Inner Shaft**

3. Lubricate the inner shaft (A) with grease. Extend and compress driveshaft several times to distribute grease.

DN39857,000037B-19-12APR21

Replace Shear Bolt

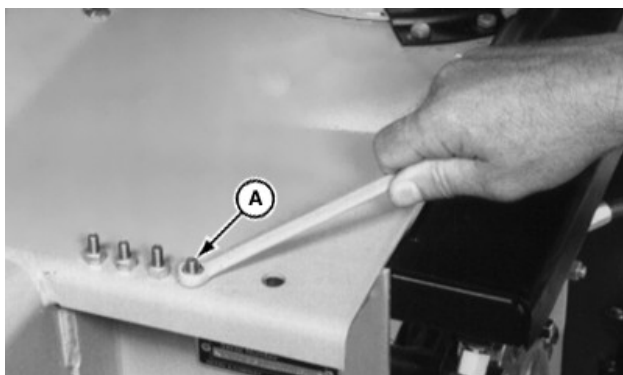
NOTE: A shear bolt (A) is installed in each end-of-auger shaft. If the attachment hits a solid object, the shear bolt breaks. Shear bolt protects the auger and attachment from serious damages.



LV23169—UN—23SEP14

A—Shear Bolt

1. If the attachment hits a solid object, and the shear bolt breaks, stop the attachment immediately.
2. Stop the engine. Lock park brake. Lower attachment.
3. Find and correct cause for shearing.



LV23171—UN—23SEP14

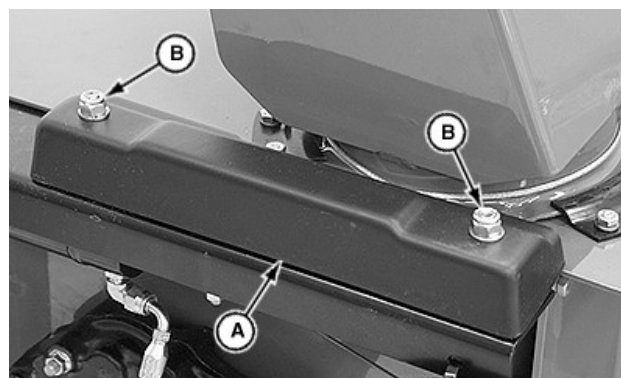
A—Shear Bolt (0.25 in x 1.375 in, grade 5)

4. Remove the shear bolt (A) stored in auger housing.
5. Install a new shear bolt.

DN39857,000037C-19-12APR21

Replace Discharge Chute Cable

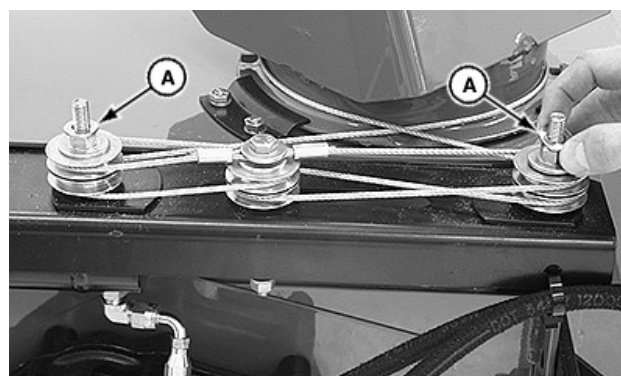
1. Start engine.
2. Turn the chute completely to left. Hydraulic cylinder must be retracted.
3. Park tractor safely. (See Parking Safely in Safety Section of the tractor operator's manual.)



LV23154—UN—23SEP14

**A—Cable Shield
B—Stop Nuts**

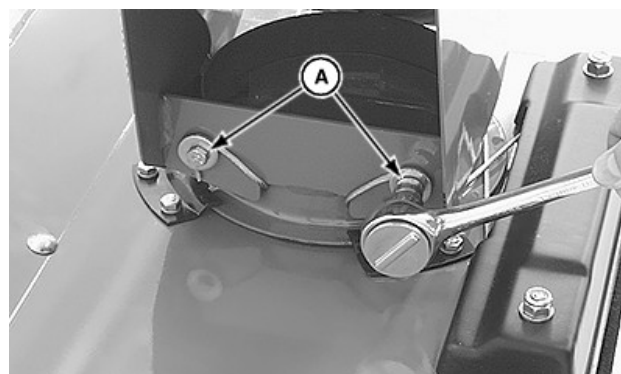
4. Remove stop nuts (B) and cable shield (A).



LV23153—UN—23SEP14

A—Washer

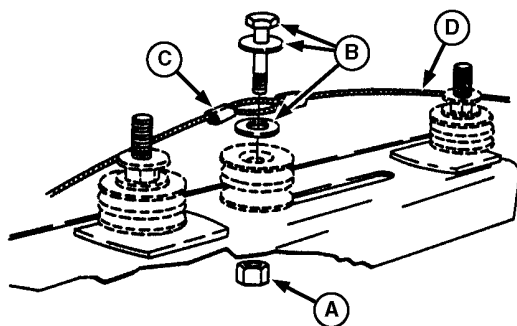
5. Remove the washer (A) on each cable shield bolt.



LV23172—UN—23SEP14

A—Cap Screws

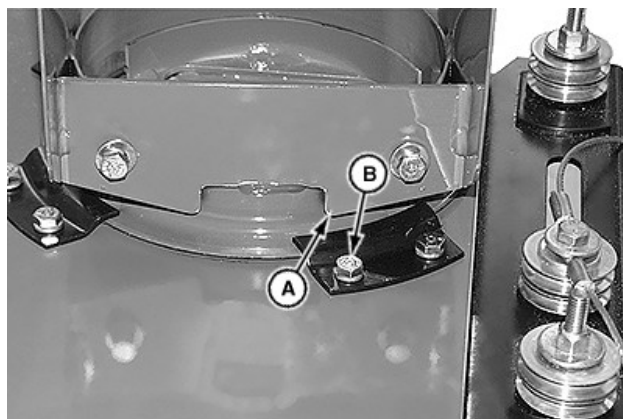
6. Loosen cap screws (A).
7. Disconnect cable ends from chute.



LV23173—UN—23SEP14

A—Nut
B—Washers
C—Longer Cable End
D—Shorter Cable End

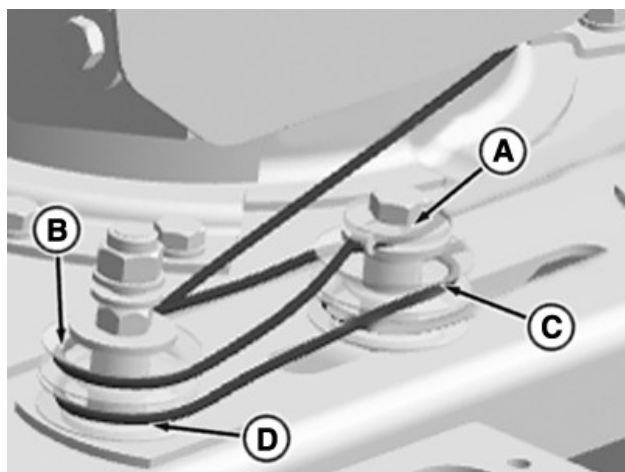
8. Remove the nut (A), bolt, and washers (B).
9. Remove cable ends (C) and (D) from pulleys. Remove cable assembly.
10. Install new cable so the longer cable end (C) is to the left and the shorter cable end (D) is to the right.
11. Install bolt and washers (B) in the cable assembly eyelet. Install the nut (A).



LV23150—UN—23SEP14

A—Tab
B—Screw

12. Move chute so the tab (A) on chute is in line with edge of screw (B). Chute opening is towards the left-hand side.



LVP11374—UN—09APR21

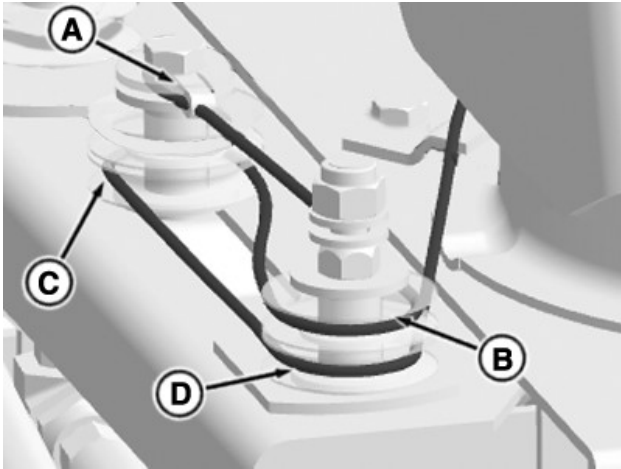
Right Cable Hidden for Clarity



LVP11376—UN—09APR21

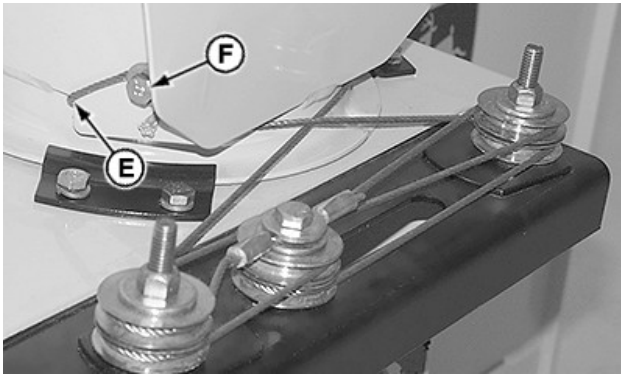
A—Washer
B—Top Left Pulley
C—Top Center Pulley
D—Bottom Left Pulley
E—Tab
F—Cap Screw

13. Route left (long) cable:
 - a. Behind washer (A).
 - b. Around the top left pulley (B).
 - c. Around the top center pulley (C).
 - d. Around the bottom left pulley (D).
 - e. Around chute.
 - f. Under tab (E).
14. Use locking pliers to pull cable tight.
15. Tighten cap screw (F).



LVP11375—UN—09APR21

Left Cable Hidden for Clarity



LVP11377—UN—09APR21

- A—Washer
- B—Top Right Pulley
- C—Bottom Center Pulley
- D—Bottom Right Pulley
- E—Tab
- F—Cap Screw

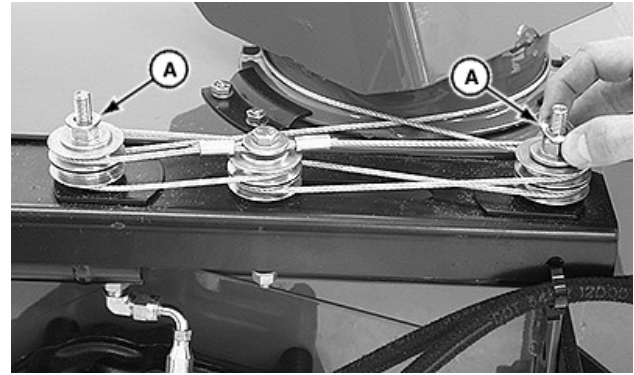
16. Route right (short) cable:

- a. Behind washer (A).
- b. Around the top right pulley (B).
- c. Around the bottom center pulley (C).
- d. Around the bottom right pulley (D).
- e. In front of chute.
- f. Under tab (E).

17. Use locking pliers to pull cable tight.

18. Tighten cap screw (F).

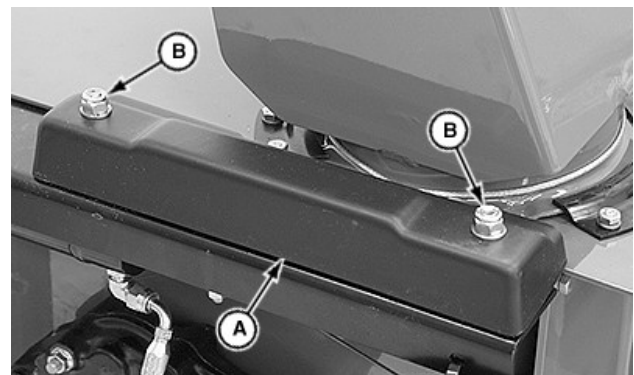
19. Move the chute back to the original position.



LV23153—UN—23SEP14

A—Washer (M10.5 x 20 mm)

20. Install the washer (A) on each cable shield bolt.



LV23154—UN—23SEP14

A—Cable Shield
B—Washer (M10.5 x 20 mm) and Stop Nut (3/8 in) (2 used)

21. Install the cable shield (A).

22. Install washers and stop nuts (B).

DN39857,000037D-19-12APR21

Replace Skid Shoes

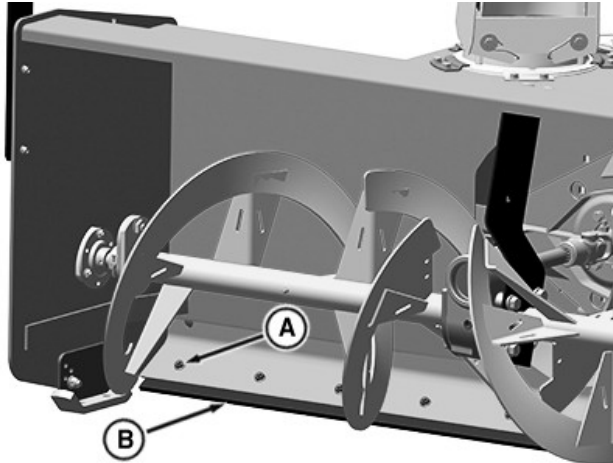
See **Adjust Skid Shoes** in Operation Section of this operator's manual.

DN39857,000037E-19-12APR21

Replace or Rotate Scraper Blade

NOTE: Rotate the blade 180 degrees when one edge becomes worn, rough, or bent. If both edges are worn, rough, or bent, replace the blade.

1. Raise the snowblower.
2. Put blocks under both sides of snowblower.
3. Lock park brake.
4. Stop the engine and remove key.
5. Lower snowblower onto blocks.



LVP11627—UN—06APR21

A—Nuts
B—Blade

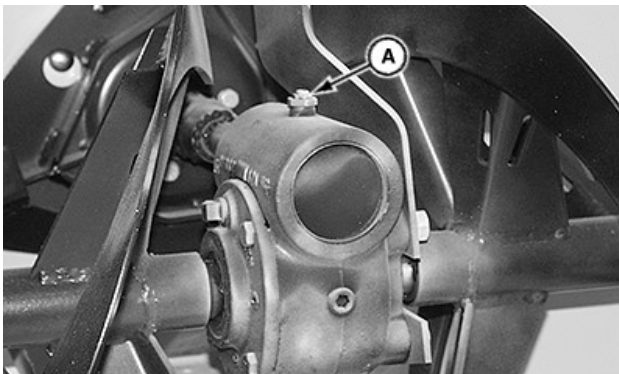
6. Remove eight nuts (A) and bolts.
7. Remove the blade (B).
8. Rotate the blade 180 degrees so the top of the blade is now at the bottom.
9. Install the blade with bolts and nuts.

DN39857,000037F-19-12APR21

Clean Gear Case Air Vent

1. Park tractor safely. (See Parking Safely in Safety Section of the tractor operator's manual.)

IMPORTANT: Avoid damage! Vent hole must be clear of obstructions. Obstructed vent hole builds pressure in gear case and causes gear case to leak.



LV23181—UN—23SEP14

A—Vent Plug

2. To make sure the vent plug (A) is not plugged with dirt or debris, check the vent plug (A).
3. If necessary, remove the vent plug (A) and clean vent hole with solvent.

DN39857,0000380-19-12APR21

Specifications

Snowblower Specifications

NOTE: Drain the leftover oil from snowblower gear case before refilling.

Item	Measurement	Specification
47 Snowblower		
Snowblower/Auger Housing	Width	120 cm (47 in)
Snowblower	Weight	177 kg (390 lb)
Snowblower Gear Case	Capacity	397 mL (13.4 oz)
54 Snowblower		
Snowblower/Auger Housing	Width	137 cm (54 in)
Snowblower	Weight	191 kg (421 lb)
Snowblower Gear Case	Capacity	397 mL (13.4 oz)
59 Snowblower		
Snowblower/Auger Housing	Width	150 cm (59 in)
Snowblower	Weight	201 kg (450 lb)
Snowblower Gear Case	Capacity	397 mL (13.4 oz)
60 Snowblower		
Snowblower/Auger Housing	Width	150 cm (59 in)
Snowblower	Weight	201 kg (450 lb)
Snowblower Gear Case	Capacity	397 mL (13.4 oz)

NOTE: Specifications and design subject to change without notice.

DN39857,0000382-19-12APR21

Getting Quality Service

John Deere Quality



JOHN DEERE

LVAL38364—UN—21AUG12

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

That is why John Deere has initiated a process to handle your questions or problems, as they arise. The following three steps 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. | C. It gives ordering information for parts catalog, service, and technical manuals. |
| B. It gives troubleshooting procedures, and specification information. | 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. | C. If the parts and service people are unable to resolve your problem, see the dealership manager or owner. |
| B. First, discuss your questions or problems with trained parts and service staff of your dealer. | D. If your John Deere dealer does not resolve questions or problems, 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 and effective service, have the following ready before you call:

The name of your John Deere dealer.	Your serial number, which you recorded on the inside front cover of this manual.
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Your equipment model number.

The number of hours on the machine (if applicable).

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, contact us at the following website: www.deere.com/en/our-company/contact-us/.

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