

JOHN DEERE
WORLDWIDE COMMERCIAL & CONSUMER
EQUIPMENT DIVISION

Heavy Duty Snowblower
47-Inch

OMM144663 I0
OPERATOR'S MANUAL



North American Version
Litho in U.S.A.



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INTRODUCTION

Thank You for Purchasing a John Deere Product

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

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.

Using Your Operator's Manual

This manual is an important part of your machine and should remain with the machine when you sell it.

Reading your operator's manual will help you and others avoid personal injury or damage to the machine. Information given in this manual will provide the operator with the safest and most effective use of the machine. Knowing how to operate this machine safely and correctly will allow you to train others who may operate this machine.

This manual and safety signs on your machine may also be available in other languages (see your John Deere dealer to order).

Sections in your operator's manual are placed in a specific order to help you understand all the safety messages and learn the controls so you can operate this machine safely. You can also use this manual to answer any specific operating or servicing questions. A convenient index located at the end of this book will help you to find needed information quickly.

The machine shown in this manual may differ slightly from your machine, but will be similar enough to help you understand our instructions.

RIGHT-HAND and LEFT-HAND sides are determined by facing in the direction the machine will travel when going forward. When you see a broken line arrow (----->), the item referred to is hidden from view.

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

Special Messages

Your manual contains special messages to bring attention to potential safety concerns, 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.

PRODUCT IDENTIFICATION

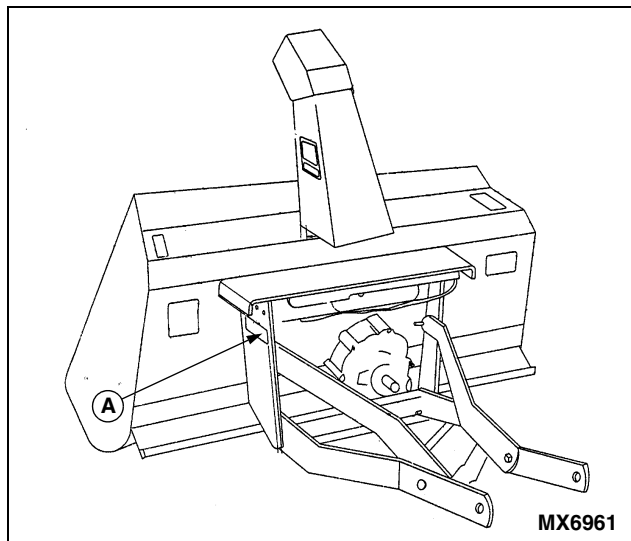
Record Identification Numbers

Heavy Duty Snowblower

47-Inch Serial No. (010001 -)

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

You will need to locate the model and serial number for the mower deck and record the information in the spaces provided below.



DATE OF PURCHASE:

DEALER NAME:

DEALER PHONE:

SERIAL NUMBER (A):

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Consumer Equipment Division
Horicon, WI
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OMM144663 I0 - English

SAFETY

Understanding The Machine Safety Labels

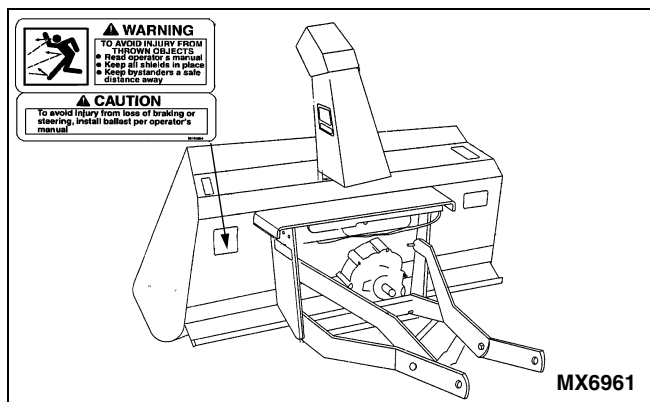


The machine safety labels shown in this section are placed in important areas on your machine to draw attention to potential safety hazards.

On your machine safety labels, the words DANGER, WARNING, and CAUTION are used with this safety-alert symbol, (▲). DANGER identifies the most serious hazards.

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

WARNING



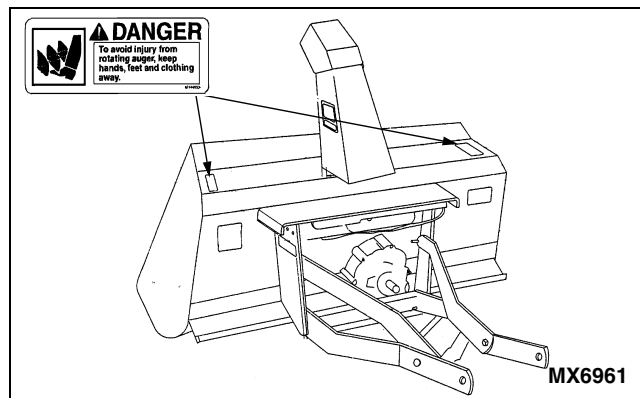
TO AVOID INJURY FROM THROWN OBJECTS

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

CAUTION

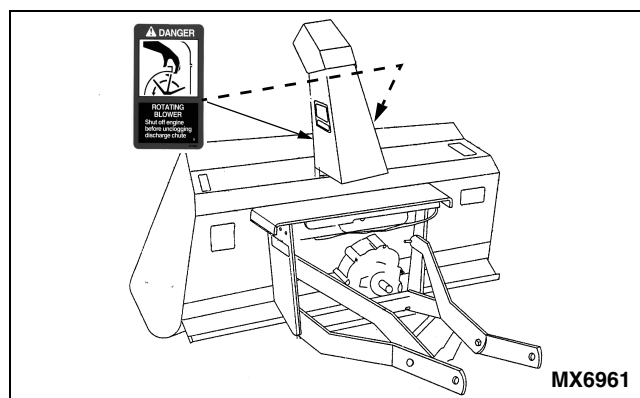
To avoid injury from loss of braking or steering, install ballast per operator's manual.

DANGER



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

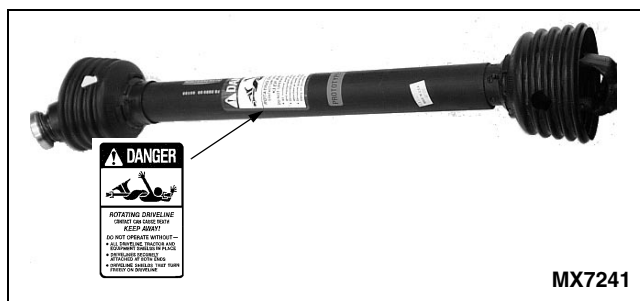
DANGER



ROTATING BLOWER

Shut off engine before unclogging discharge chute.

DANGER



ROTATING DRIVELINE

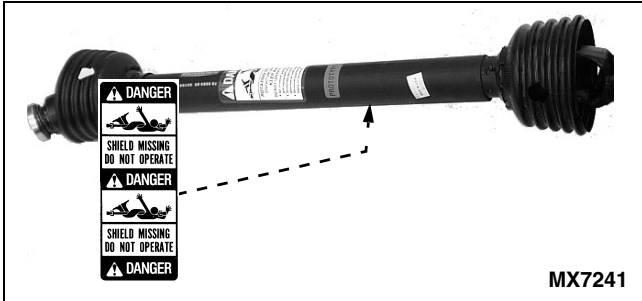
CONTACT CAN CAUSE DEATH

Keep away, do not operate without:

SAFETY

- All driveline guards, tractor and equipment shields in place.
- Driveline securely attached at both ends.
- Driveline guards that turn freely on driveline.

DANGER

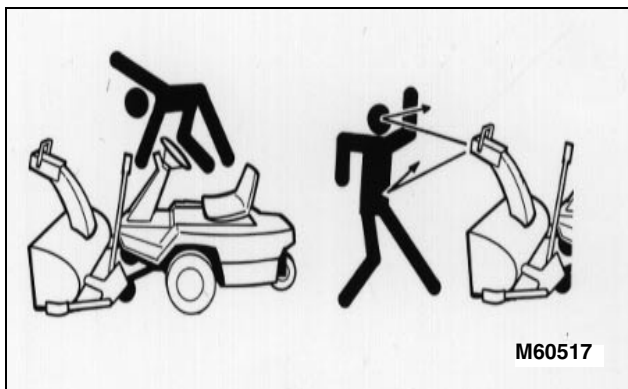


Shield missing do not operate.

Park Vehicle Safely

- Stop vehicle on a level surface, not on a slope.
- Disengage PTO.
- Lock the park brake.
- Stop the engine.
- Remove the key.
- Before you leave the operator's seat, wait for engine and all moving parts to stop.

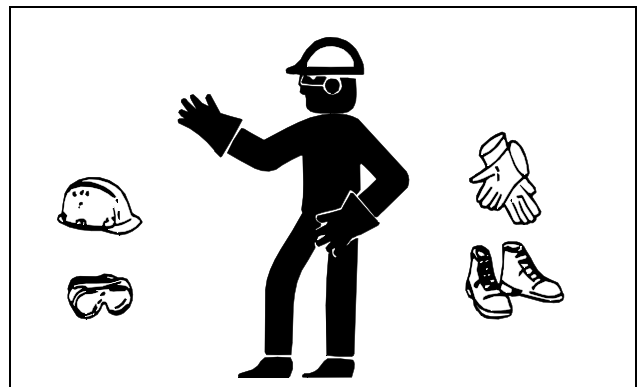
Operate Safely



- Read, understand and follow all instructions in the manual and on the machine before starting.
- Only allow responsible adults, who are familiar with the instructions to operate the machine.

- Check vehicle brake action before you operate. Adjust or service brakes as necessary.
- Inspect machine before you operate. Be sure hardware is tight. Repair or replace damaged, badly worn, or missing parts. Be sure guards and shields are in good condition and fastened in place. Make any necessary adjustments before you operate.
- Clear work area of objects that might be thrown. Keep people and pets out of the work area. Stop machine if anyone enters the area.
- DO NOT throw snow toward people, buildings or cars.
- If you hit an object, stop the machine and inspect it. Make repairs before you operate. Keep machine properly maintained and in good working order.
- Look carefully behind front mower before you back up, especially for children.
- DO NOT leave machine unattended when it is running.
- Only operate during daylight or with good artificial light.
- DO NOT let anyone, especially children, ride on machine or vehicle.
- DO NOT let children or an untrained person operate machine.
- DO NOT wear radio or music headphones while operating the machine. Safe operation requires your full attention.
- DO NOT operate machine if you are under the influence of drugs or alcohol.

Wear Appropriate Clothing



- Wear close fitting clothing and safety equipment appropriate for the job.
- Always wear safety goggles or safety glasses with side shields when operating the mower.
- Wear a suitable protective device such as earplugs. Loud noise can cause impairment or loss of hearing.

SAFETY

- Do not wear radio or music headphones. Safe service and operation requires your full attention.

Stay Clear of Rotating Drivelines



Entanglement in rotating driveline can cause serious injury or death:

- Wear close fitting clothing.
- STOP the engine and be sure PTO driveline is stopped before getting near it.
- Keep tractor master shield and driveline shields in place at all times. Make sure rotating shields turn freely.

Avoid Injury From Hitting Obstructions



- Raise snowblower when you drive between jobs.
- Slow down when you remove snow.

Practice Safe Maintenance



- Understand service procedure before doing work. Keep area clean and dry.
- Never lubricate, service, or adjust machine 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 attachments to the ground before servicing machine. Disengage all power and stop the engine. Lock park brake and remove the key. Let machine cool.
- Before servicing the machine, carefully release pressure from any components with stored energy, such as hydraulic components.
- Keep all nuts and bolts tightened, especially blade attachment bolts.
- Securely support any machine elements that must be raised for service work.
- 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.
- Do not modify machine or safety devices. Unauthorized modifications may impair its function and safety.
- Do not wear radio or music headphones while servicing the machine. Safe service requires your full attention.

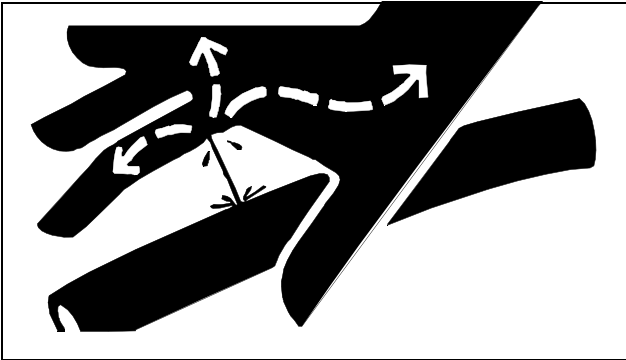
SAFETY

Avoid Injury from Moving Parts



- Keep hands, feet and clothing away from snowblower and discharge chute when auger is turning.
- Stop auger when you are not throwing snow.
- Stop vehicle engine before you unplug, repair, or adjust snowblower.

Avoid High Pressure Fluids



- Hydraulic hoses can fail due to physical damage, kinks, age, and exposure. Check hoses regularly. Replace damaged hoses.
- 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.

PREPARING VEHICLE

Preparing the Front Mower

IMPORTANT: Avoid damage! Remove any attachment before installing the snowblower.

1. Remove any front attachment.
2. Install the auxiliary hydraulic kit. (See your John Deere dealer to order.)
3. Check tire pressure.

Installing Weights and Chains



CAUTION: Avoid injury!

- Ballasting is required for safe operation of the snowblower.
- When the snowblower is removed, remove any weights that were added to the front mower.

Install rear weight kit, with four 19 kg (42 lb) weights. Follow instructions provided with kit.

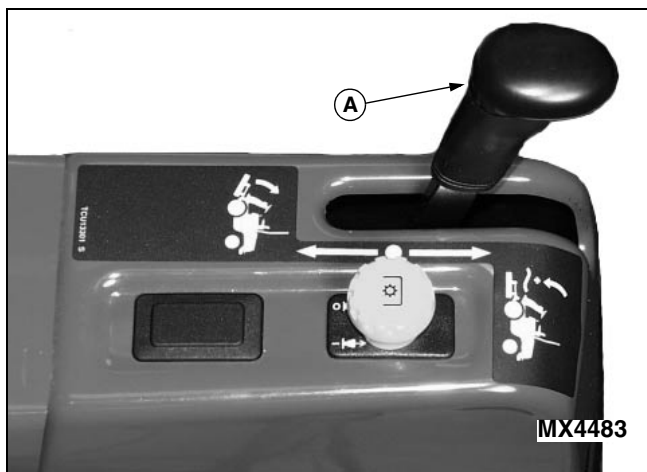
Tire chains and drive wheel weights may also be used, if needed. (See your John Deere dealer to order.)

Install liquid weight in front tires, if needed. (See your front mower operator's manual.)

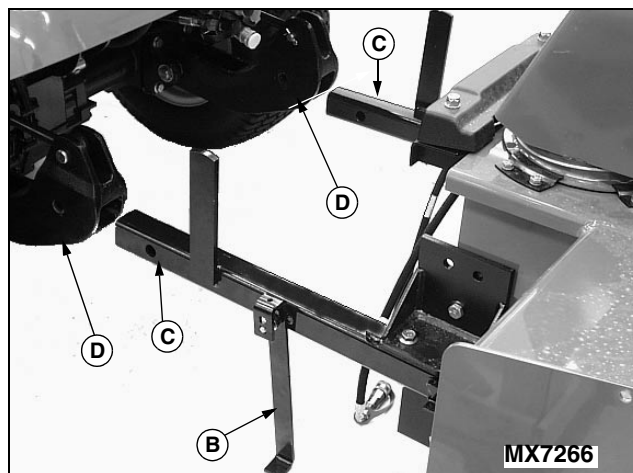
INSTALLING

Installing Snowblower

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



2. Push hydraulic lift lever (A) all the way forward to the float position. This will allow the front mower lift arm to be moved up or down by hand.



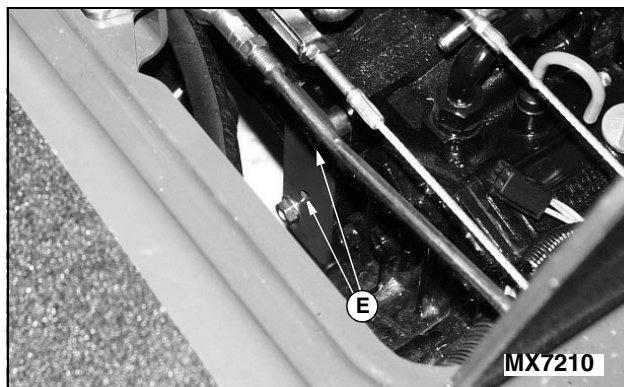
3. Lower support stand (B).
4. Position snowblower assembly in front of vehicle, so the snowblower lift arms (C) are aligned with vehicle lift arms (D). If necessary manually move snowblower lift arms for proper alignment.



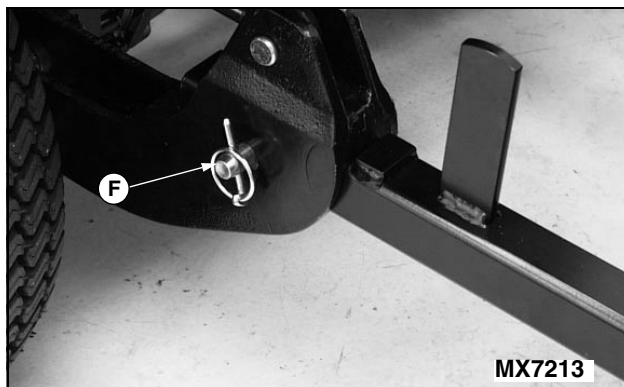
CAUTION: Avoid injury! Do not allow other individuals or other vehicles in work area while the transmission is in neutral.

5. Unlock park brake.
6. Turn two screws 3/4 of the way around to unlatch service hatch.
7. Lift service hatch on the front mower.

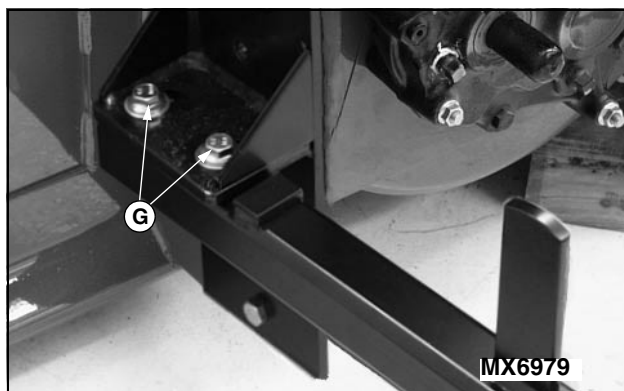
NOTE: The transmission disengage is under the service door and on the right side of machine.



8. Push in two buttons (E) to disengage transmission. Buttons will come back out when you start engine.
9. Push front mower forward to connect snowblower assembly to the lift arms.
10. Lower service hatch.
11. Lock park brake.



12. Install one drilled pin (F) in lift arm on each side and secure with one quick lock pin on each side.



13. For initial installation, tighten bolts (G) and nuts on snowblower lift arms.
14. Put end of driveline up on front axle so as not to get caught under the vehicle.

INSTALLING

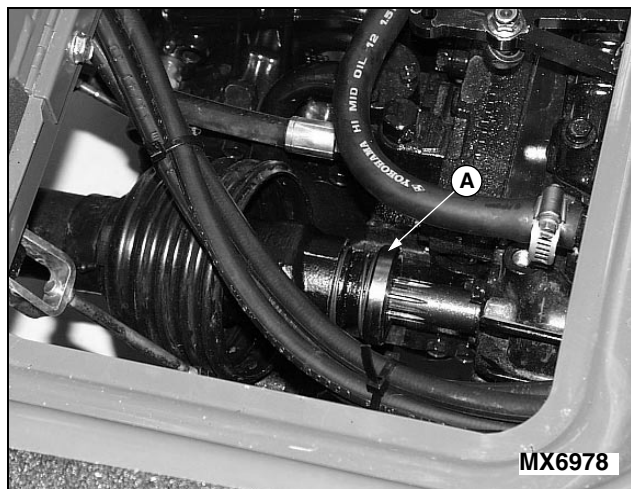
Connecting Driveline



CAUTION: Avoid injury! Stay clear of rotating drivelines:

Stop the engine and be sure the PTO driveline is stopped before getting near it.

1. Open service hatch.



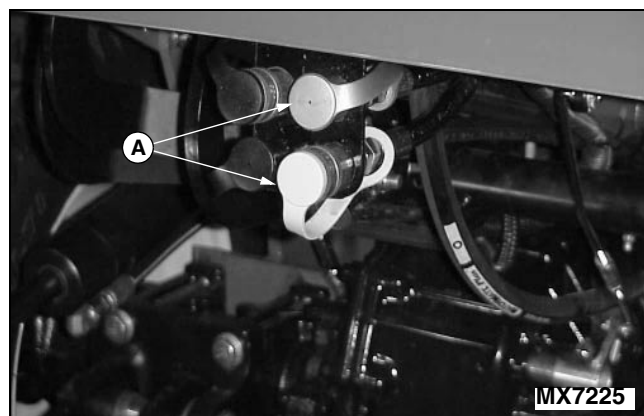
2. Reach through and pull back coupler sleeve (A) on driveline.
3. Align splines in coupler with driveshaft. Slide driveline onto driveshaft until coupler sleeve locks.
4. Slide driveline back and forth to make sure driveline is properly locked.
5. Close service hatch.

Connecting Hydraulic Hoses

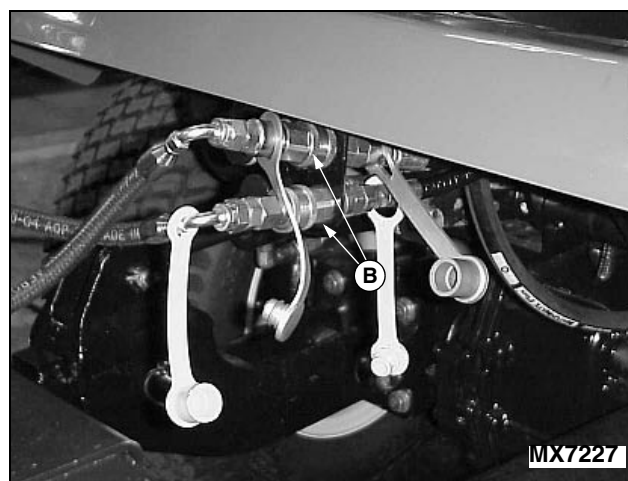


CAUTION: Avoid injury! Escaping fluid under pressure can penetrate the skin causing serious injury. Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure. Search for leaks with a piece of cardboard. Protect hands and body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

1. Move both hydraulic control levers back and forth several times to relieve pressure in the hydraulic system.



2. Pull dust plugs and covers (A) from hydraulic outlets and hoses.



3. Push in on coupler sleeve (B). Fasten hoses to proper coupler:
 - Rod end cylinder hose to top right hydraulic outlet (gray).
 - Head end cylinder hose to bottom right hydraulic outlet (yellow).
4. Pull hoses to be sure couplers are locked.
5. Push coupler dust plugs into hose dust covers.
6. Start engine. Operate hydraulic control levers several times to fill cylinder and hoses with fluid.
7. Stop engine. Check transmission/hydraulic oil level. (See your Front Mower operator manual.)
8. Lift support stand to its storage location.

REMOVING

Removing the Snowblower

1. Park snowblower at storage area on a level surface.

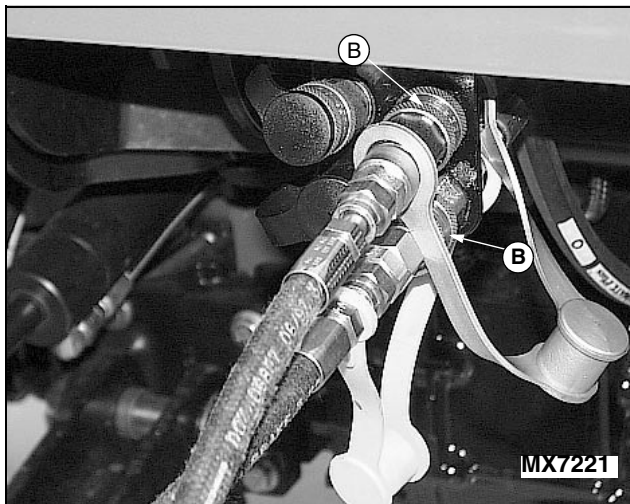


2. Lower support stand (A).
3. Lower snowblower to the ground.
4. Lock park brake.
5. Stop engine and remove key.



CAUTION: Avoid injury! 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.

6. Move both hydraulic control levers back and forth several times to relieve pressure in the hydraulic lines.



7. Push in on coupler sleeves (B) to disconnect hoses from couplers. Push dust plugs into couplers.
8. Put dust covers over hydraulic hose fittings to keep dirt from entering the hydraulic system.

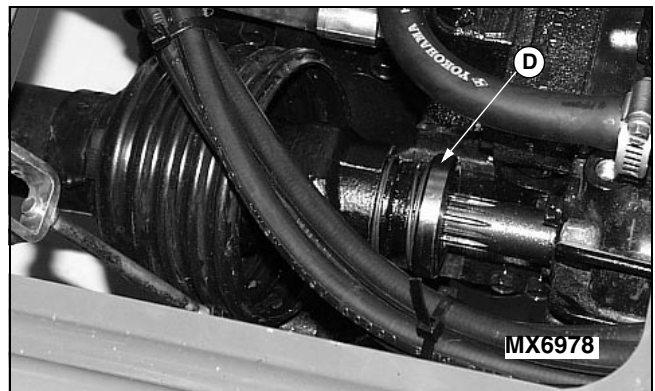


9. Remove quick lock pin and drilled pin (C).
10. Repeat on the other side.
11. Open service hatch.



CAUTION: Avoid injury! Stay clear of rotating drivelines:

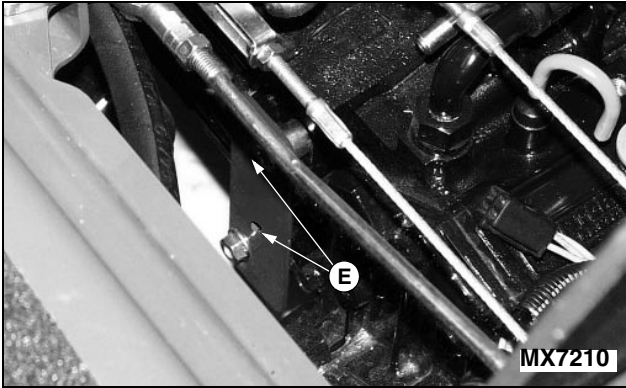
Stop the engine and be sure the PTO driveline is stopped before getting near it.



12. Reach through and pull back coupler sleeve (D) on driveline.
13. Pull coupler off driveshaft.

REMOVING

NOTE: *The transmission disengage is under the service hatch and on the right side of machine.*



14. Push in two buttons (E) to disengage transmission. Buttons will come back up when you start engine.

15. Lower service hatch.

16. Unlock park brake.

17. Pull front mower away from snowblower.



CAUTION: Avoid injury! When the snowblower is removed, remove any weights that were added to the front mower.

18. Remove any weights that were installed when preparing the front mower.

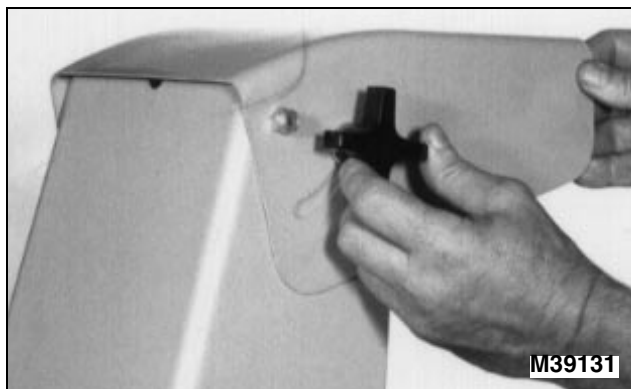
OPERATING

Adjusting Spout



CAUTION: Avoid injury! Before adjusting spout:

- Stop PTO.
- Stop engine.
- Lower snowblower to the ground.
- Lock park brake. Remove key.
- Wait for auger to stop.

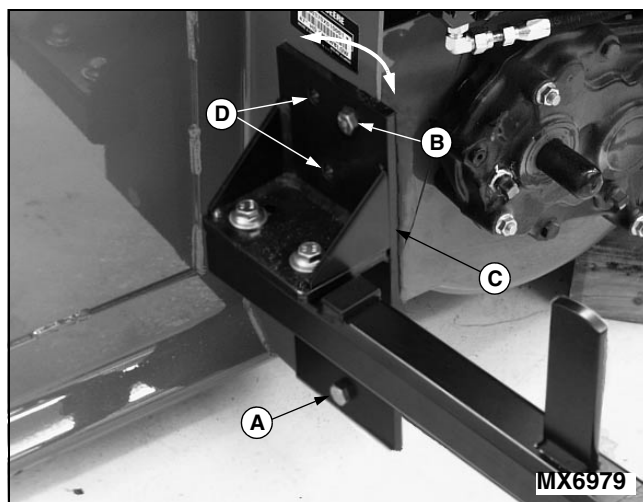


1. Loosen knob.
2. Move spout to desired position.
3. Tighten knob.

Adjusting Tilt Brackets

NOTE: The snowblower can be angled forward to provide more of a scraping action.

1. Remove snowblower from the front mower.
2. Place a wooden block under the gearbox housing or the blade frame to support the snowblower unit.
3. Rotate the support stand to the storage position.



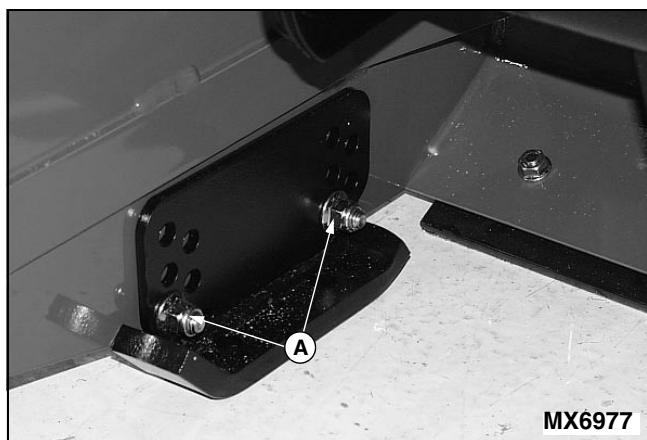
4. Loosen nut and bolt (A) at bottom of bracket.
5. Remove bolt (B) and nut.
6. Tilt bracket (C) to align either hole (D) of the bracket with hole in snowblower frame.
7. Install bolt (B) into the aligned holes and secure with lock nut.
8. Tighten hardware (A) at bottom of bracket.
9. Repeat on the other side.
10. Adjust skid shoe height as needed.

Adjusting Skid Shoe Height

1. Start engine.
2. Raise snowblower.
3. Put blocks under scraper on each side.
4. Stop engine and lock park brake.
5. Lower snowblower onto blocks.

OPERATING

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



6. Remove two bolts and nuts (A) from each skid shoes.
7. Place bolts in one of the other four holes to raise or lower the scraper blade in 13 mm (1/2 in.) increments.

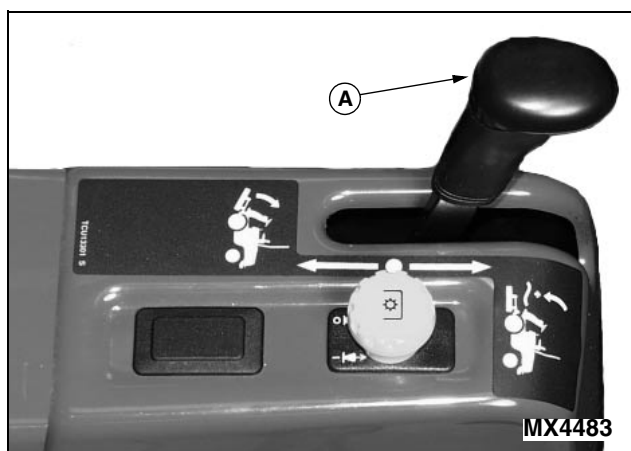
Raising and Lowering Snowblower

To raise snowblower:



CAUTION: Avoid injury! Do not raise the attachment on slopes or when traveling at high speeds, as the machine could become unstable. Avoid hard braking with attachment raised.

The PTO continues to run when the attachment is raised. Turn off PTO when not in use.



- Pull hydraulic lever (A) to rear.

To lower snowblower:



CAUTION: Avoid injury! The snowblower attachment will lower quickly. Clear the area of bystanders before lowering the snowblower, The attachment will lower when the lift lever is pushed forward, even when the engine is off and operator is not on the seat. Never operate controls while off seat.

- Push hydraulic lever (A) forward.

Turning Chute

To turn chute to the right:



CAUTION: Avoid injury! Do not blow snow towards bystanders, buildings, or automobiles.



- Pull lever (A) back.

To turn chute to the left:

- Push lever (A) forward.

Starting Snowblower



CAUTION: Avoid injury! Be sure area is clear before you begin snowblowing.

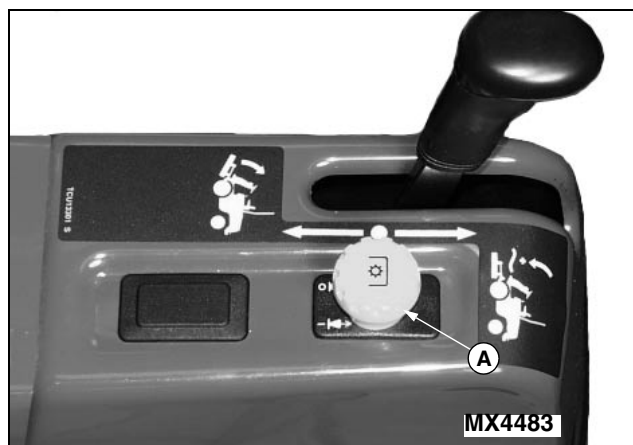
1. Start front mower engine. Unlock park brake.



IMPORTANT: Avoid damage! To prevent PTO clutch damage, Do not disengage PTO with throttle in fast position.

2. Move throttle lever to one-fourth speed position.
3. Lower snowblower to ground.

OPERATING



4. Pull up on PTO knob (A) to engage PTO.

NOTE: If the unit should start to vibrate abnormally, stop the engine and check immediately for the cause. Vibration is generally a warning of trouble.

5. Move throttle lever to fast position for best engine and snowblower performance.
6. Begin forward travel.
7. For emergency stop, push emergency brake pedal. PTO will also stop.

Stopping Snowblower

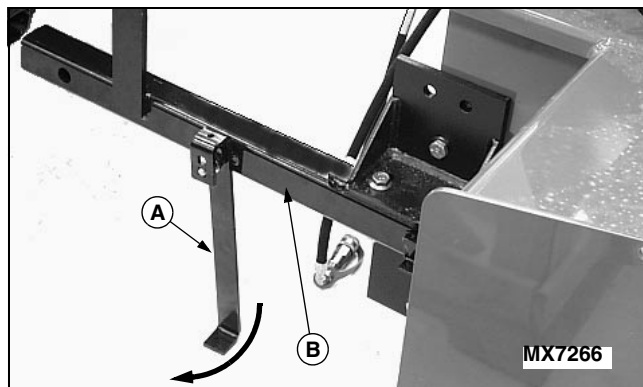
NOTE: If engine and snowblower are running, engine and snowblower will stop when you get off operator's seat.

1. Stop front mower.
2. Push down on knob to disengage PTO.
3. Move throttle to low speed.

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

4. Stop engine.
5. Lower snowblower to ground.
6. Lock park brake and remove key.
7. Wait for auger and blower to stop.

Using Support Stand



1. Pull end of support stand (A) out away from right lift arm bracket (B).
2. Rotate support stand to the ground.

Using Differential Lock



CAUTION: Avoid injury! Do not operate at a high speed or turn when differential is locked.

The differential lock is used to provide better traction when rear wheels start to slip. Do not use differential lock unless you are experiencing rear wheel slippage. Engaging differential lock will cause both rear wheels to drive equally to improve traction.

IMPORTANT: Avoid damage! To help prevent damage to power train:

- Do not lock differential when one wheel is spinning and the other wheel is stopped.

NOTE: Front wheels stay locked when you hold pedal down, or when traction is unequal.



1. Lock differential pedal (A) for better traction.
2. Release pedal to unlock.

OPERATING

Snowblowing Tips

Let engine and machine adjust to outdoor temperatures before starting to clear snow.

Thoroughly inspect the area snowblower to be used and remove all doormats, sleds, boards, wires, and other foreign objects.

Operate engine at full throttle.

Operate front mower at a safe travel speed.

Travel slowly when you are blowing wet, heavy snow to prevent plugging snowblower.

Slow down when you operate on slopes, before you make a turn, and when you operate close to buildings or trees.

For snowblowing in drifts, drift blade will cut through drifted snow and help break down drifts.

Use rear weights (See Install Weights and Chains in Preparing the Vehicle section.)

Wear adequate winter outer garments. Wear footwear that will improve footing on slippery surfaces.

For snowblowing on slopes, or other difficult conditions, install chains on front tractor tires.

Do not clear snow across the face of slopes. Exercise extreme caution when changing direction on slopes. Do not attempt to clear steep slopes.

Never operate snowblower without good visibility or light.

Blow snow downwind, if possible.

Put hydraulic control lever forward to float position when you are snowblowing on irregular ground.

Adjust skid shoes for proper scraper blade clearance before you remove snow from irregular ground.

Clean the snowblower after operation.

REPLACEMENT PARTS

Service Literature

If you would like a copy of the Parts Catalog or Technical Manual for this machine call:

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

Parts

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

Part numbers may change, use part numbers listed below when you order. If a number changes, your dealer will have the latest number.

When you order parts, your John Deere dealer needs your machine serial number and engine serial number. These are the numbers that you recorded in the Product Identification section of this manual.

Part Numbers

ITEM	PART NUMBER
Skid Shoe, Right	AM128336
Skid Shoe, Left	AM128337
Scraper Blade	M142881

(Part numbers are subject to change without notice. Part Numbers may be different outside the U.S.A.)

SERVICE INTERVALS

Service Intervals

Before Each Season:

- Check auger gearbox oil level.
- Check snowblower gearbox oil level.

Every 25 Hours:

- Check and clean auger gearbox vent hole.
- Lubricate worm gear shaft.
- Lubricate driveline.
- Lubricate auger shaft.

SERVICE LUBRICATION

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 degrees C (-20 to 275 degrees F).

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

The following greases are preferred:

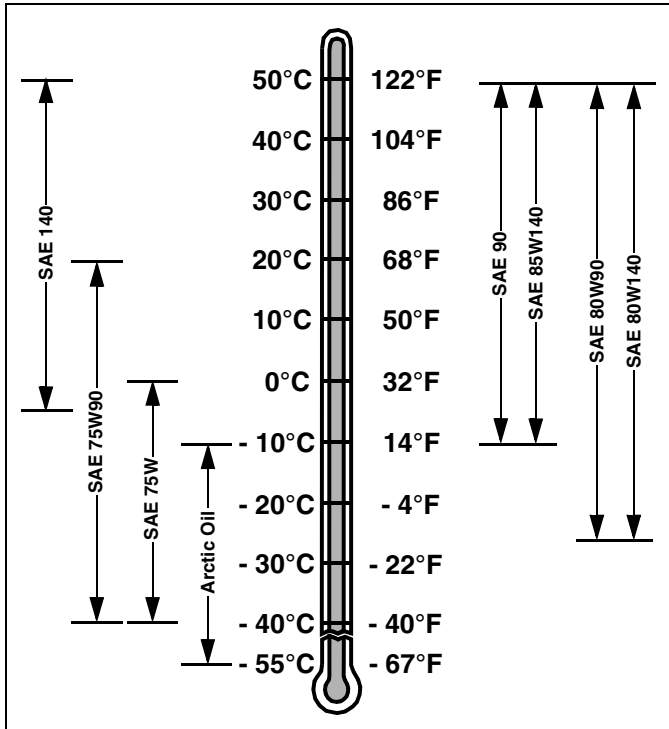
- John Deere Multi-Purpose SD Polyurea Grease.
- John Deere Multi-Purpose HD Lithium Complex Grease.

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 Servicing dealer for information.

Gear 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.

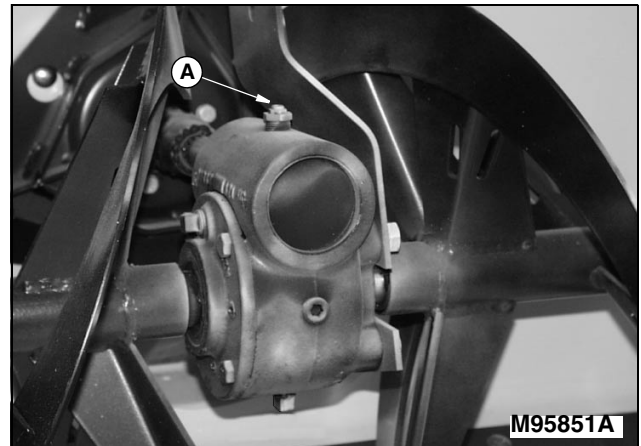
Other oils may be used if they meet one or more of the following:

- 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.

Cleaning Gearbox Air Vent

IMPORTANT: Avoid damage! Vent hole (A) must be clear of obstructions or pressure will build in gearbox and cause gearbox to leak.

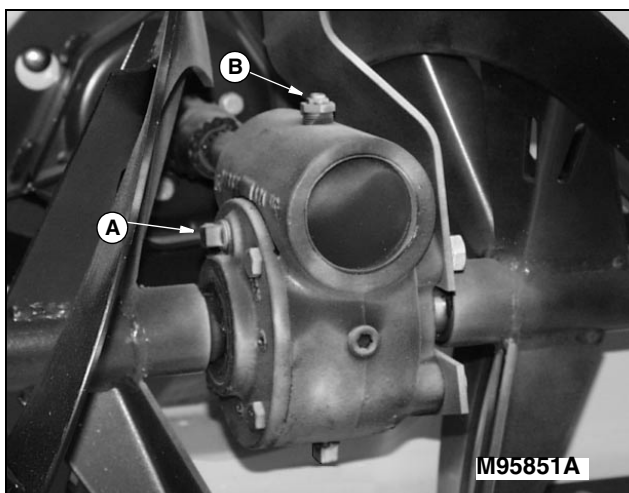


1. Check vent hole in fill plug to make sure it is not plugged with dirt or debris.
2. Clean the vent hole periodically to remove dirt.
 - Remove the fill plug and clean vent hole with solvent if needed.

Checking Auger Gearbox Oil Level

1. Park snowblower on level surface.
2. Stop engine. Lock park brake.
3. Lower snowblower to ground.

SERVICE LUBRICATION



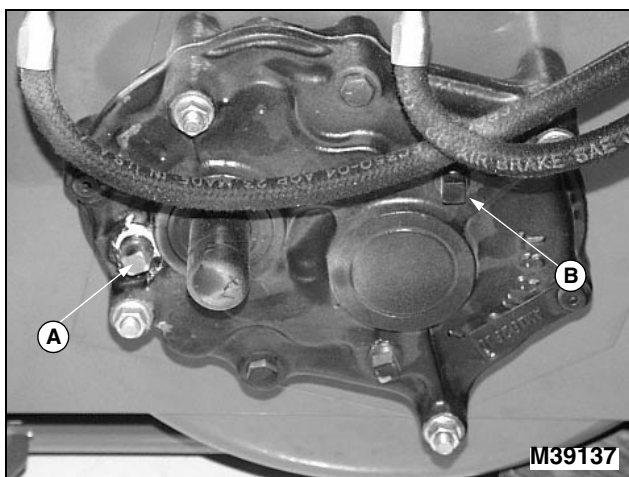
4. Remove check plug (A).

IMPORTANT: Avoid damage! Check cross hole vent in fill plug (B) when checking oil level. Vent hole must be clear of obstructions or pressure will build in gearbox and cause gearbox to leak.

5. Oil should be level with check plug hole.
6. Remove fill plug, if oil is low.
7. Add oil specified in Lubrication section.
8. Install and tighten fill plug and check plug.

Checking Snowblower Gearbox Oil Level

1. Park front mower on level surface.
2. Stop engine. Lock park brake.
3. Lower snowblower to ground.

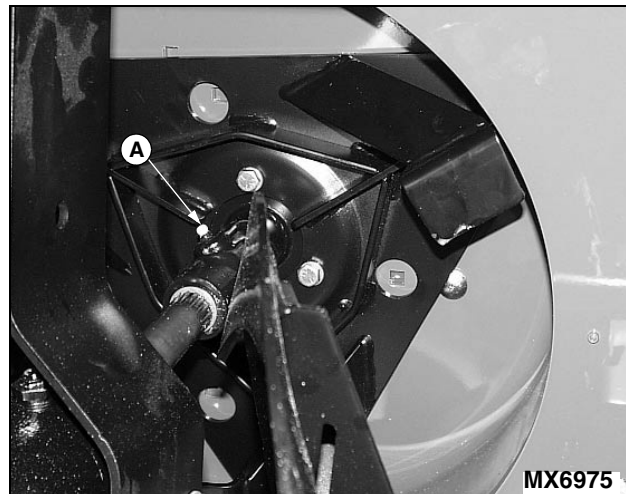


4. Remove check plug (A).
5. Oil should be level with check plug hole.

6. Remove fill plug (B), if oil is low.
7. Add oil specified in Lubrication section.
8. Install and tighten fill plug and check plug.

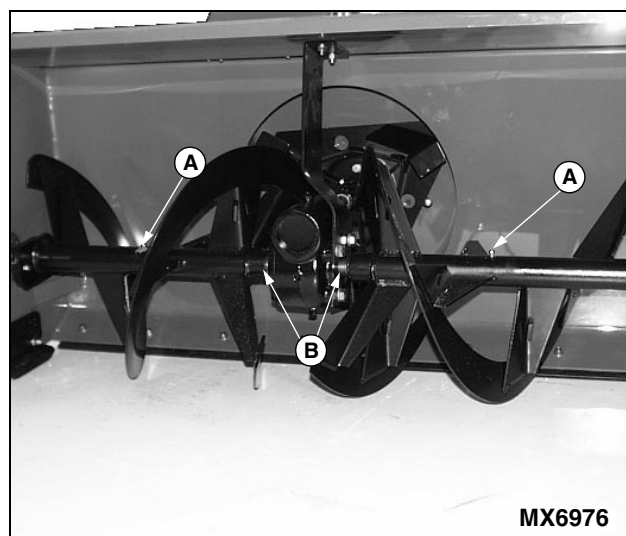
Lubricating Worm Gear Shaft

IMPORTANT: Avoid damage! Do not over-lubricate or you may damage seal.



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

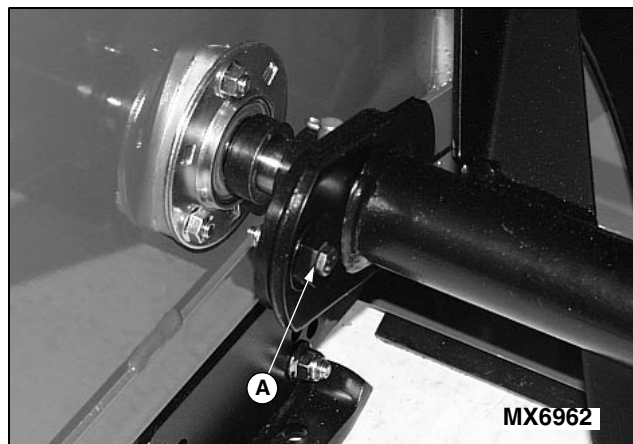
Lubricating Auger Shaft



Lubricate (A) with grease. Apply grease until it just comes out of auger shafts (B) at gearbox.

SERVICE

Replacing Shear Bolt



NOTE: A shear bolt (A) is installed in each end of auger shaft. The shear bolt will break if snowblower hits a solid object. This will protect the auger and snowblower from serious damage.

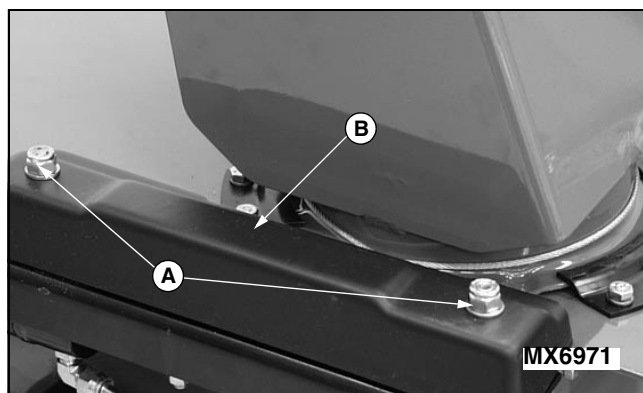
1. If you hit a solid object, stop snowblower immediately.
2. Stop engine. Lock park brake. Lower snowblower.
3. Find and correct cause for shearing.



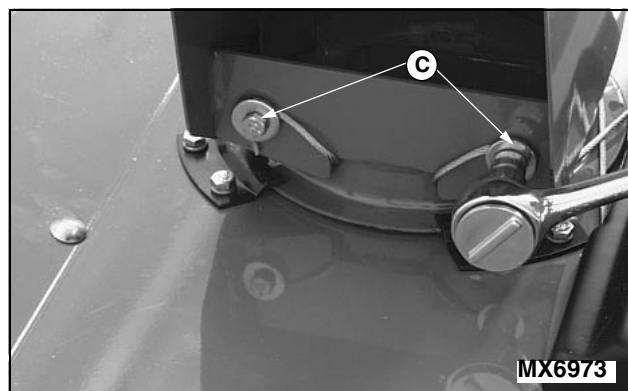
4. Remove shear bolt stored in auger housing.
5. Install new shear bolt.

Replacing Discharge Chute Cable

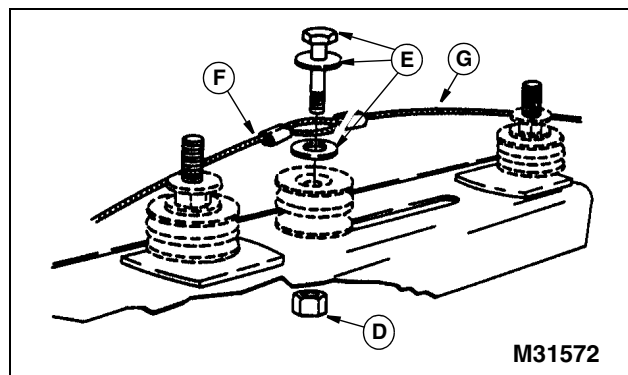
1. Start engine.
2. Turn chute 90° to left using hydraulic lever. Hydraulic cylinder should be completely retracted.
3. Stop engine. Lower snowblower. Lock park brake.



4. Remove two nuts, washers (A), and cable shield (B). Remove two washers from threaded studs.

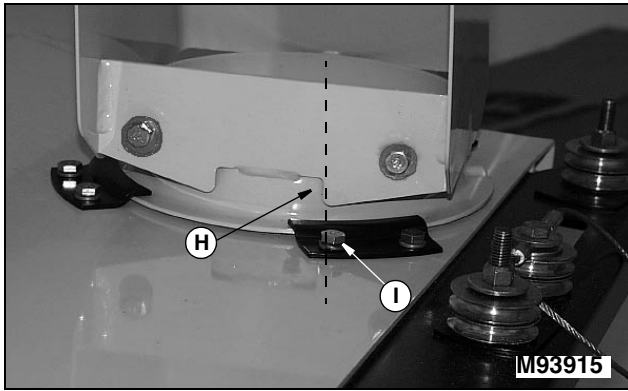


5. Loosen two cap screws (C).
6. Disconnect cable ends from chute.

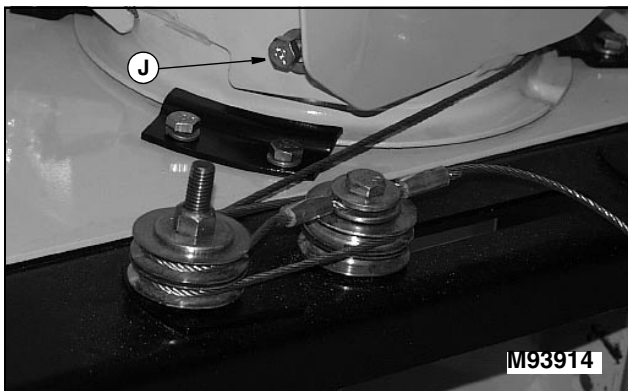


7. Remove nut (D), bolt and washers (E).
8. Remove cable ends (F) and (G) from pulleys. Remove cable assembly.
9. Install new cable so longer cable end (F) is to the left and shorter cable end (G) is to the right.
10. Install bolt and washers (E) in cable assembly eyelet. Install and tighten nut (D).

SERVICE



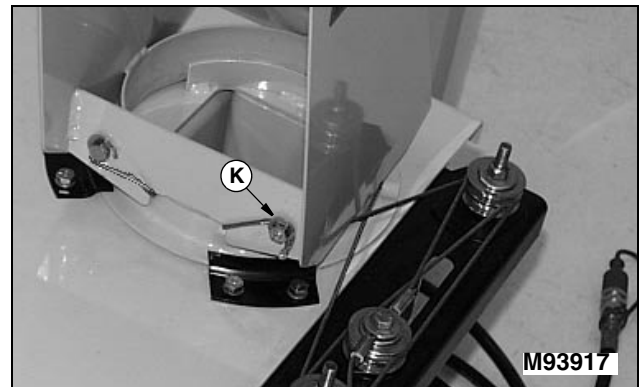
1. Move chute so tab (H) on chute is in line with edge of cap screw (I). Chute opening will be on the left.



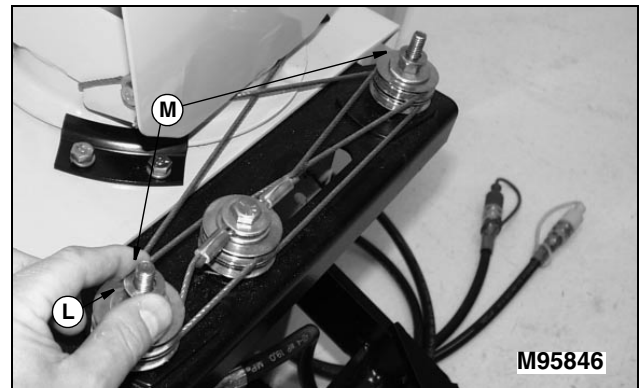
2. Route left cable:
 - a. Around top left pulley.
 - b. Around top center pulley.
 - c. Around bottom left pulley.
 - d. Around chute.
 - e. Under notches.
 - f. Behind washer.
3. Use locking pliers to pull cable tight.
4. Tighten cap screw (J).



5. Route right cable:
 - a. Around top right pulley.
 - b. Around bottom center pulley.
 - c. Around bottom right pulley.
 - d. Around chute.
 - e. Under notches.
 - f. Behind washer.
6. Use locking pliers to pull cable tight.

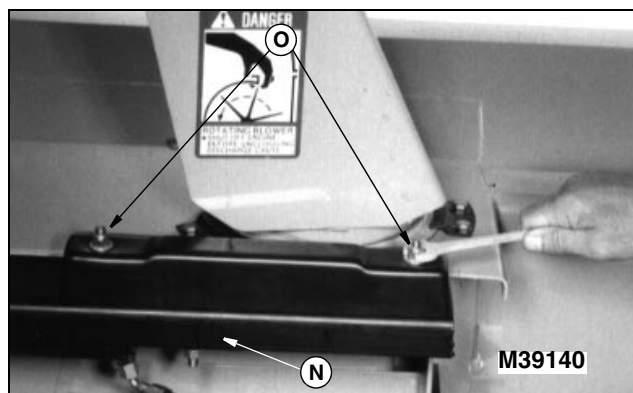


7. Tighten cap screw (K).



1. Install a washer (L) on each cable shield bolt (M).

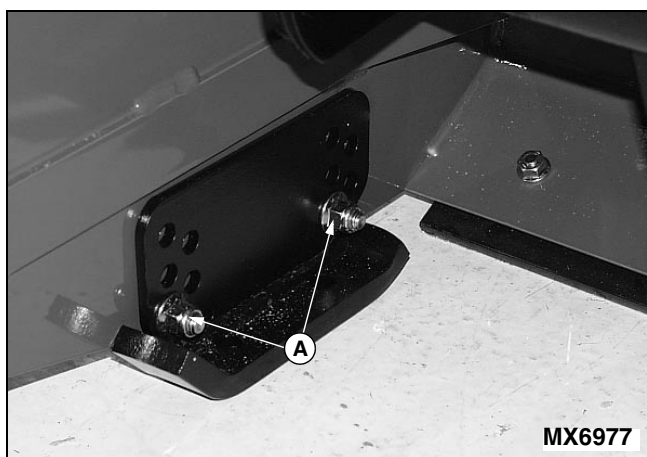
SERVICE



2. Install cable shield (N), two washers, and nuts (O).
3. Tighten nuts.

Replacing Skid Shoe

1. Start engine.
2. Raise snowblower.
3. Put blocks under scraper on each side.
4. Stop engine and lock park brake.
5. Lower snowblower onto blocks.



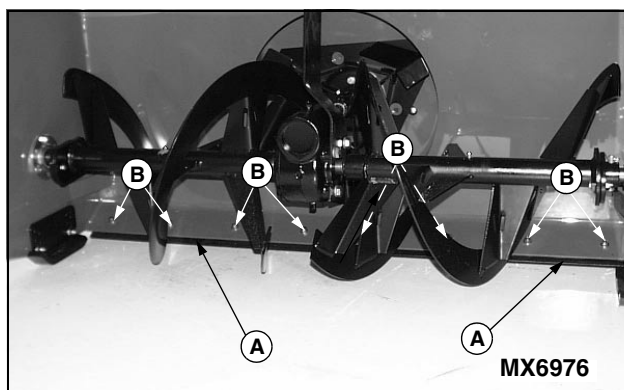
6. Remove two bolts and nuts (A) from each skid shoe and discard shoes.

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

7. Install new skid shoes and install bolts in the correct holes.

Reversing or Replacing Scraper Blade

NOTE: Reverse the blade when one edge of scraper blade becomes worn, rough, or bent. If both edges of blade are worn, rough, or bent, replace blade.



1. Raise snowblower. Put blocks under auger housing to prevent snowblower from falling.
2. Remove nuts (B) and bolts.
3. Remove blade (A).
4. Rotate blade so rear edge of blade is at front.
5. Install blade. Install bolts and tighten nuts.

TROUBLESHOOTING

Using Troubleshooting Chart

If you are experiencing a problem that is not listed in this chart, see your John Deere dealer for service.

When you have checked all the possible causes listed and you are still experiencing the problem, see your John Deere dealer.

IF	CHECK
Auger Does Not Turn	Broken shear bolt.
Snowblower Operates Irregularly	Faulty PTO drive shaft U-joints. Lack of lubrication. Faulty auger or blower bearings. Loose PTO drive shaft. Worn or faulty scraper blade. Faulty auger. Runners not adjusted.
Drive Wheels Slip	Lack of traction.

STORAGE

Storing Snowblower

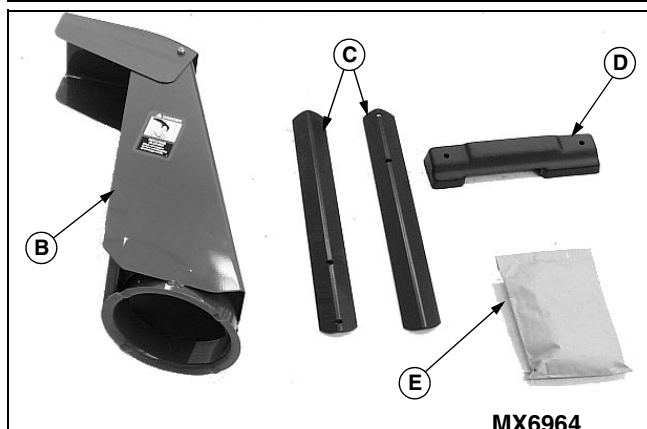
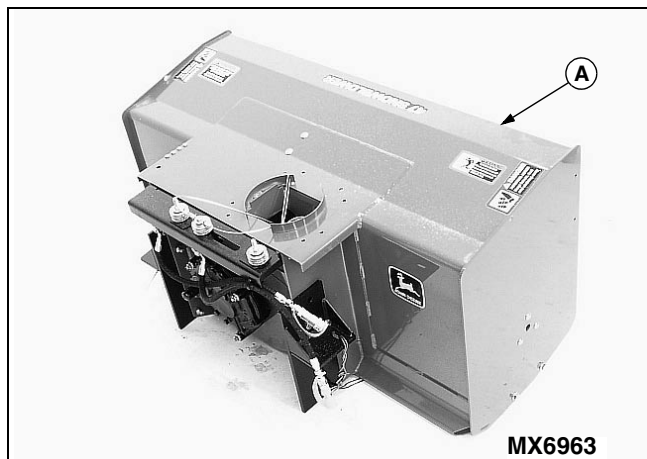


CAUTION: Avoid injury! Do not work under a raised snowblower unless it is blocked correctly.

1. Clean snowblower with water pressure from a hose.
2. Check snowblower parts. Repair or replace worn, bent, or damaged parts.
3. Maintain or replace safety and instruction labels, as necessary.
4. Apply paint to worn metal areas to prevent rust.
5. Lubricate grease points.
6. Store snowblower on hard, level surface.
7. Put a waterproof cover over snowblower if you store it outdoors.

ASSEMBLY

Identify Parts



Qty Description

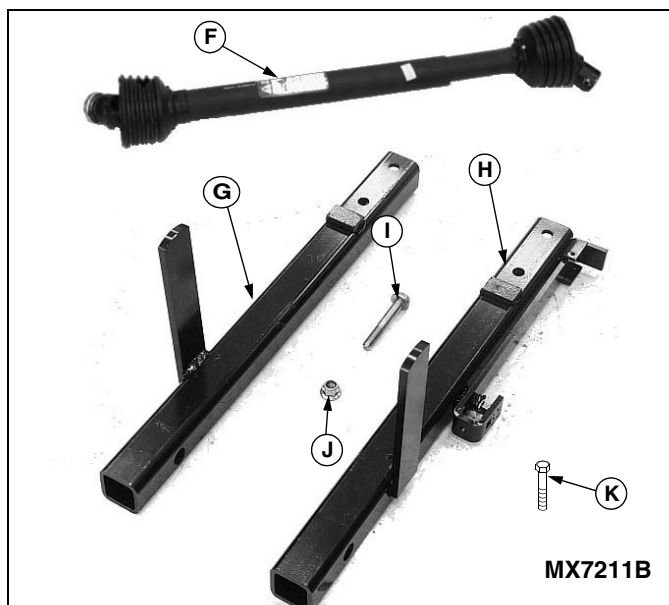
- 1 Auger Housing (A)
- 1 Discharge Chute and Spout (B)
- 2 Drift Blade (C)
- 1 Cable Shield (D)
- 1 Bag of Parts (E)

Qty Bag Of Parts (E)

- 4 Clip
- 10 5/16x3/4 in. Hex Bolt
- 4 M6x30 Carriage Bolt
- 8 5/16 in. Hex Nut
- 4 M6 Lock Nut
- 2 3/8 in. Elastic Stop Nut
- 4 M10.5x20x2 Washer

Qty Bag Of Parts (E)

- 2 M9x29x3 Washer
- 8 5/16 in. Lock Washer

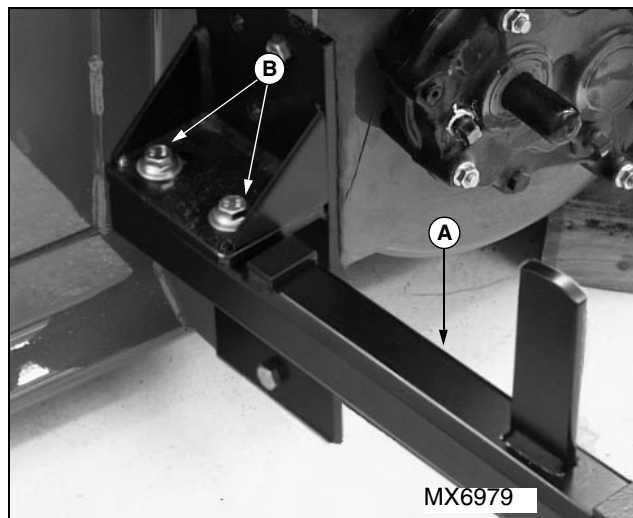


Qty Lift Arm Kit

- 1 Driveline (F)
- 1 Left Lift Arm (G)
- 1 Right Lift Arm (H)
- 4 M12x80 Hex Flange Screw (I)
- 4 M12 Hex Flange Nut (J)
- 1 5/16x2-1/2 in. Shear Bolt (K)
- 1 5/16 in. Lock Nut (not shown)

ASSEMBLY

Install Lift Arms



Install lift arms (A) to brackets with:

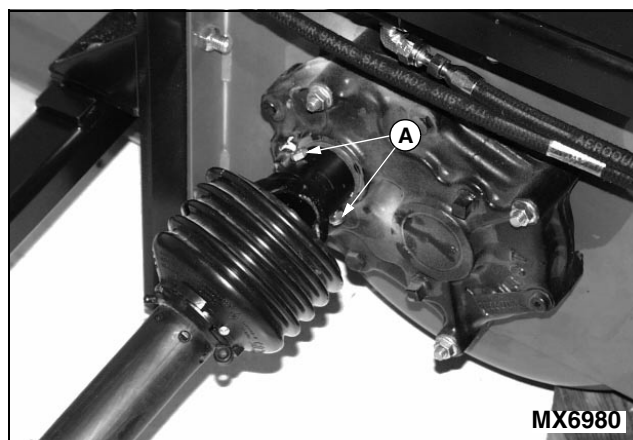
- Four M12x80 Hex Flange Screw (B).
- Four M12 Hex Flange Nut.

NOTE: At this time do not tighten nuts and bolts all the way.

1. Keep hardware loose for ease of alignment.

Install Driveline

NOTE: There are two holes in the drive shaft of the snowblower. There is a 8.5 mm hole for use with the snowblower. The other 6.75 mm hole is used with the 60 In. Broom.

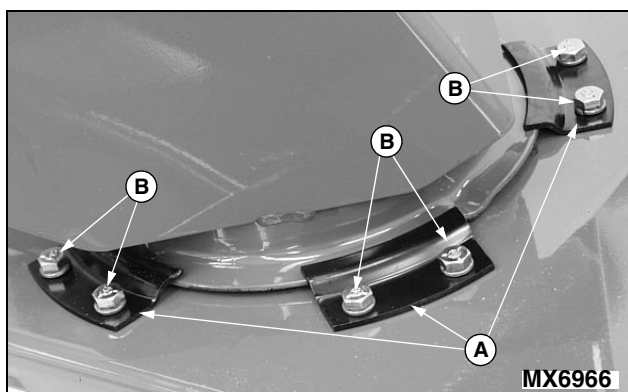


1. Install end of driveline on driveshaft so the 8.5 mm holes in both are in line.
2. Install the 5/16x2-1/2 in. shear bolt and lock nut (A).
3. Tighten nut.

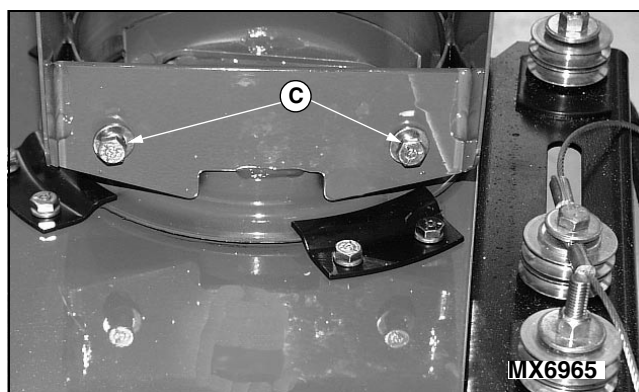
Install Chute



1. Apply grease or equivalent on the bottom and inside flange of discharge chute.



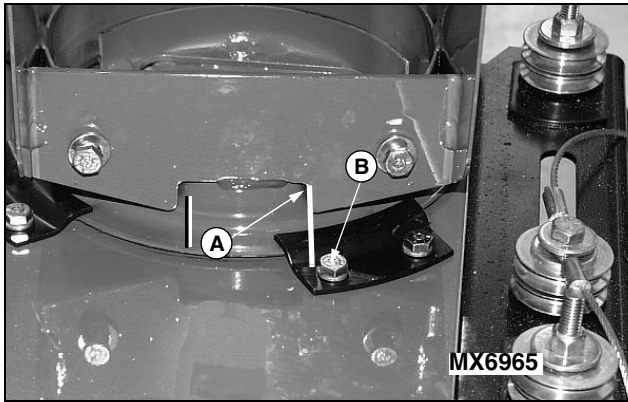
2. Place discharge chute over auger opening on auger housing.
3. Install four clips (A) (three shown) with eight 5/16x3/4 in. cap screws, 5/16 in. lock washers, and 5/16 in. hex nuts (B) (six shown).
4. Tighten nuts.



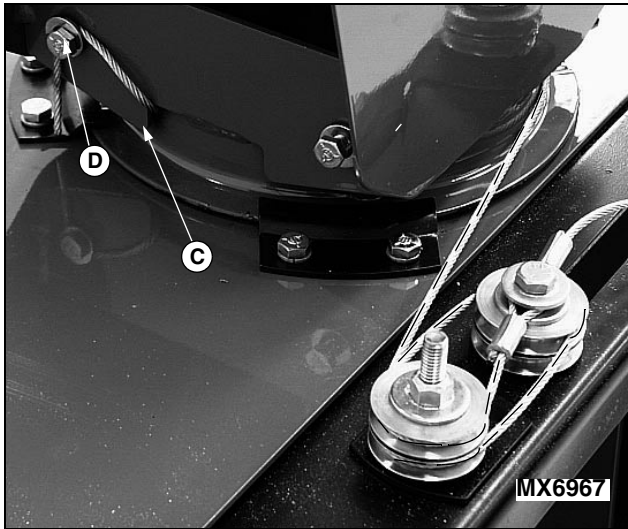
5. Turn chute so spout faces left.
6. Turn two 5/16x3/4-in. cap screws (C) with M9x29x3 washers into chute threaded holes two or three turns.

ASSEMBLY

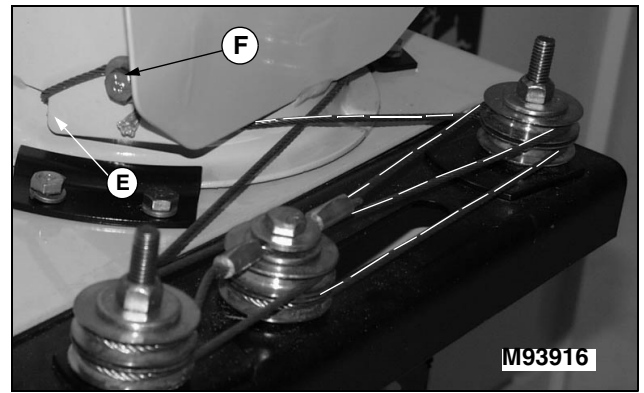
Route Chute Cables



1. Move chute so tab (A) on chute is in line with edge of cap screw (B). Chute opening will be to the left.

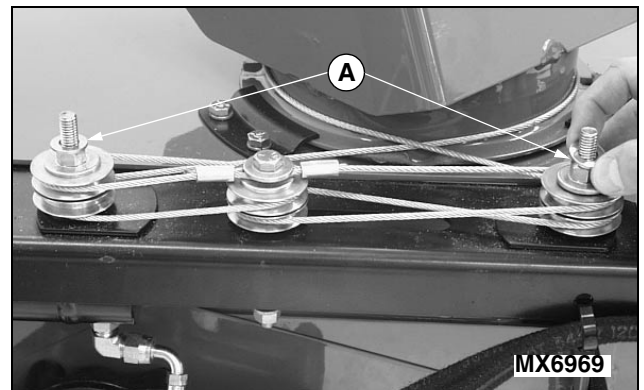


2. Route left (long) cable:
 - a. Around top left pulley.
 - b. Around top center pulley.
 - c. Around bottom left pulley.
 - d. Around chute.
 - e. Under tab (C).
 - f. Behind washer.
3. Use locking pliers to pull cable tight.
4. Tighten cap screw (D).



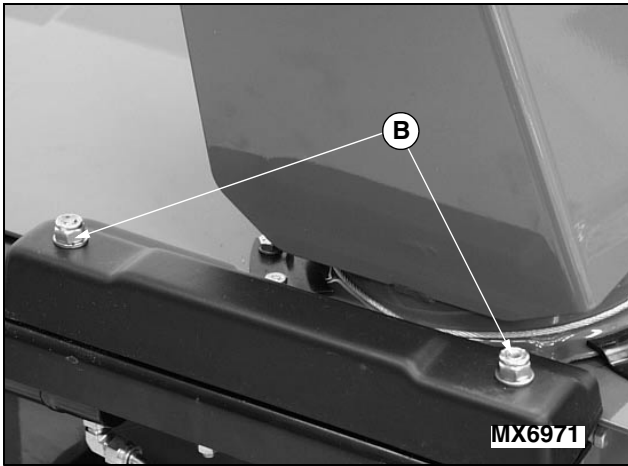
5. Route right (short) cable:
 - a. Around top right pulley.
 - b. Around bottom center pulley.
 - c. Around bottom right pulley.
 - d. In front of chute.
 - e. Under tab (E).
 - f. Behind washer.
6. Use locking pliers to pull cable tight.
7. Tighten cap screw (F).

Install Cable Shield



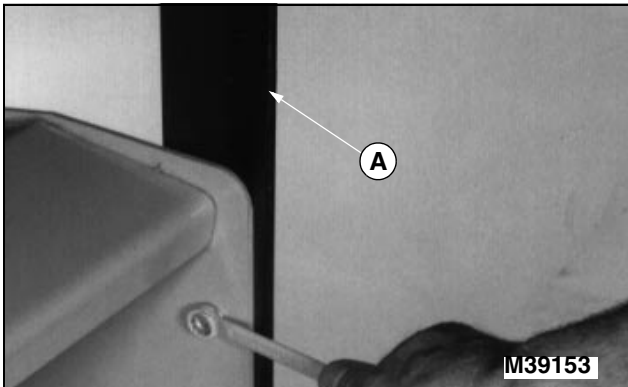
1. Install M10.5x20x2 washer (A) on each cable shield bolt.

ASSEMBLY



2. Install cable shield.
3. Install a M10.5x20x2 washer and elastic stop nut (B) on each shield bolt.
4. Tighten nut.

Install Drift Blade



Fasten drift blade (A) to each side of auger housing with four M6x30 carriage bolts and four M6 lock nuts.

SPECIFICATIONS

Machine Specifications

Approximate Weight	208.7 kg (460 lb)
Width	1.2 m (47 in.)
Height of Opening	58.4 cm (23 in.)
Auger Diameter	40.6 cm (16 in.)
Blower Diameter	40.6 cm (16 in.)
Auger Speed	160 rpm
Blower Speed	821 rpm
Lift System	Two-Way Hydraulic Cylinder with Float and Lock-Up
Chute Control	Hydraulic-Powered
Chute Rotation	200°

Recommended Lubricants

Gear Oil	John Deere GL-5 Gear Lubricant
Grease:	John Deere Multi-Purpose SD Polyurea Grease
.....	John Deere Multi-Purpose HD Lithium Complex Grease

(Specifications and design subject to change without notice.)

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NOTES

JOHN DEERE QUALITY STATEMENT

John Deere Quality



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

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

Step 1

Refer to your operator's manual

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

Step 2

Contact your dealer (Call 1-800-537-8233 to locate your nearest John Deere 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

Call the John Deere Customer Communications Center

- 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, call the Customer Communications Center.
- 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 13-digit 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 and our advisor will work with your dealer to investigate your concern.