

JOHN DEERE
WORLDWIDE COMMERCIAL & CONSUMER
EQUIPMENT DIVISION

Front Blade for LX and GT Tractors
44-Inch

OMM149655 B4

OPERATOR'S MANUAL



JOHN DEERE

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Previous Editions

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North American Version

Litho in U.S.A.



INTRODUCTION

Introduction

Using Your Operator's Manual

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

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.

Specifications and design are subject to change without notice.

Product Identification

Product Compatibility

The 44-Inch Front Blade is compatible with the LX and GT series lawn tractors with foot lift deck system.

Record Identification Numbers

44-Inch Front Blade 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 machine and record the information in spaces provided below.

DATE OF PURCHASE:

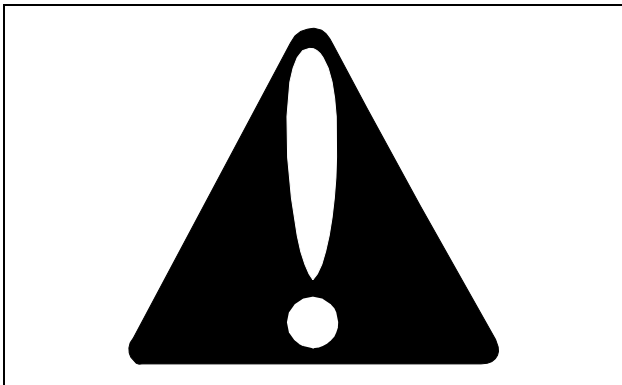
DEALER NAME:

DEALER PHONE:

PRODUCT SERIAL NUMBER:

Safety Labels

Understanding The Machine Safety Labels



Safety-Alert Symbol

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.

Safety

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

Operating Safely

- This attachment is intended for light duty moving of snow or other light, loose material. Do not misuse this equipment.
- Read, understand and follow all instructions in the manual and on the vehicle and attachment before operating.
- Only allow responsible adults who are familiar with the instructions to operate the machine.
- Inspect machine and attachment 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.
- Check brake action before you operate. Adjust or service brakes as necessary.
- Stop machine if anyone enters the area.
- If you hit an object, stop and inspect the machine. Make repairs before you operate. Keep machine and attachments properly maintained and in good working order.
- Before operating, make sure all connections are tight and blade responds properly to controls. Check all connections periodically for tightness.
- Do not leave machine unattended when it is running.
- Only operate during daylight or with good artificial light.
- Be careful of traffic when operating near or crossing roadways.
- Do not wear radio or music headphones while operating the machine. Safe operation requires your full attention.
- Transport the blade with it raised to the highest position.
- Be aware of the position of the blade ends. Blade makes a wide arc when turning.
- Be aware of the possibility of objects hidden under the snow. Avoid holes, rocks, roots and other obstructions.
- Avoid the edges of ditches and banks to reduce the possibility of loss of control.
- When plowing material into a pile, travel in reverse before raising blade.
- Do not ram into a pile of material; slow down before contact is made.
- Lower attachment completely before leaving operator's seat.
- 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.
- 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.

Checking Area to be Cleared

- Thoroughly inspect the area where the equipment is to be used and remove all doormats, sleds, boards, wires and other foreign objects.

ASSEMBLY

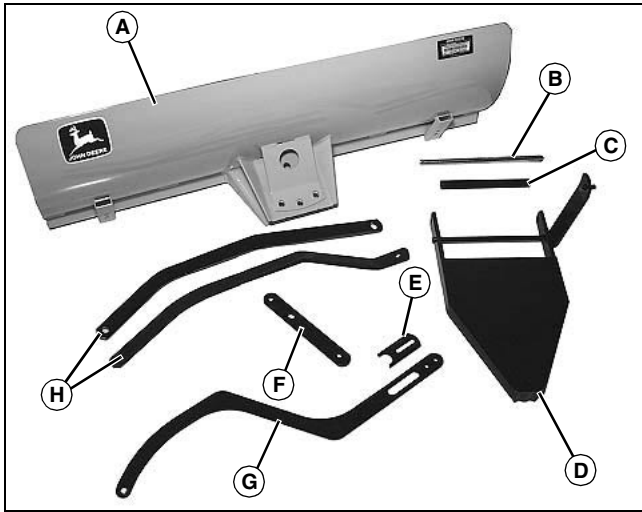
- Keep people and pets out of the work area. Keep children indoors when using blade. Turn the machine off if anyone enters the area.
- Be extremely careful if you must clear snow from a gravel surface. Adjust the blade height to clear a gravel surface.

Avoid Injury From Hitting Obstructions

- Raise attachment when you drive between jobs.
- Slow down when you remove snow. Be cautious on slopes, when you make turns or when close to buildings or trees.

Assembly

Identify Parts



MX30704

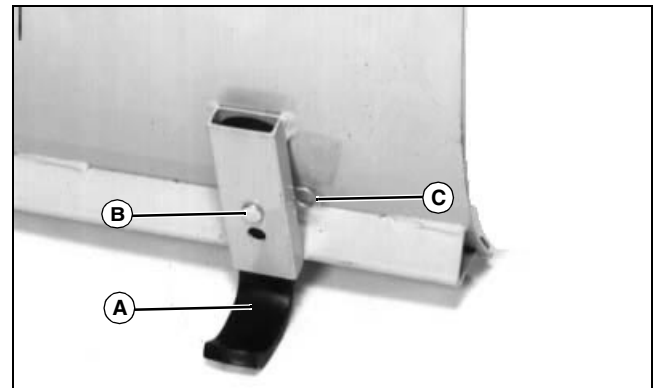
- A- Front Blade
- B- Front Draft Pin
- C- Pipe Spacer
- D- Lift Frame
- E- Adjusting Bracket (In bag of parts)
- F- Bracket, Foot Lift
- G- Lift Bar
- H- 2-Support Braces (left and right)

Bag of Parts Contains:

Qty.	Description	Size
1	Pin, Spring Locking	
1	Pin, Pivot Lock	
1	Bracket, Pedal	
2	Skid Shoe	
1	Bushing, Flange	
1	Bracket, Adjuster	
6	Spring Locking Pin	
2	Lift Pin	
1	Locking Ring	

Qty.	Description	Size
2	Pin, Special Threaded	
1	Pin, Drilled	
2	Locknut, Flange	M8
3	Locknut, Flange	M10
2	Bolt, Flange	M10x30
1	Bolt, Flange	M10x40
2	Bolt, Flange	M8x25
4	Washer	0.60x17/32x1-1/4 in.
1	Washer	10.5x30x2.5 mm

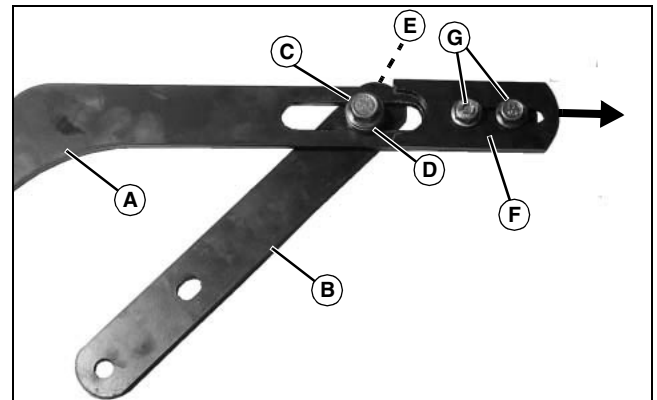
Install Skid Shoes



M38487

Install each skid shoe (A) with small drilled pin (B) and spring locking pin (C).

Assemble Lift Brackets

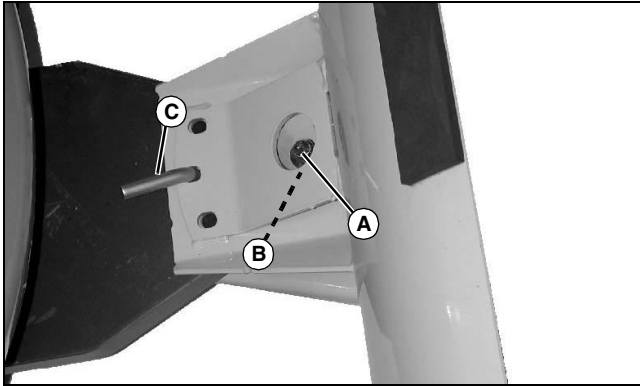


MX30705

1. Attach lift bar (A) to foot lift bracket (B) with M10x40 bolt (C) and shoulder bushing (D). Be sure shoulder of bushing is under bolt head as shown. Secure with M10 locknut (E).
2. Attach adjustment bracket (F) with two M8x25 bolts (G) and M8 nuts. Slide bracket (F) out to furthest position from slot in lift bar and tighten hardware.

PREPARING VEHICLE

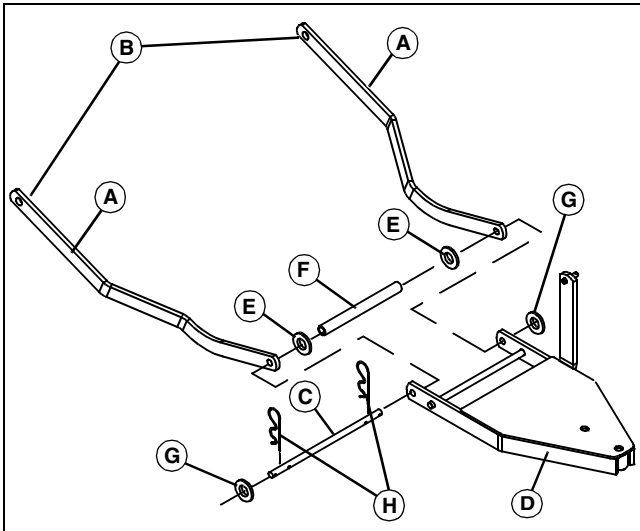
Install Frame Assembly to Blade



M92192A

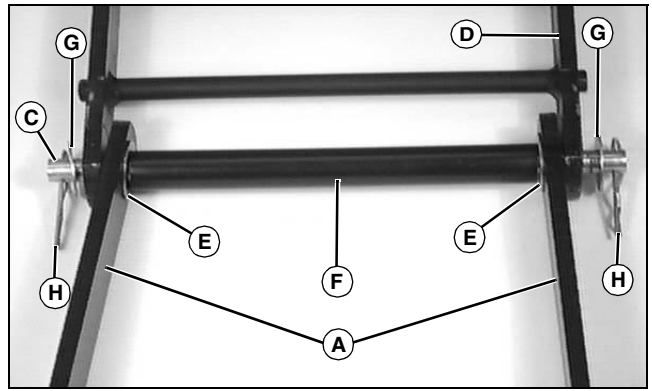
1. Attach blade to frame assembly with pivot pin (A), and large spring locking pin (B).
2. Install lock pin (C).

Fasten Support Braces to Frame Assembly



MIF

1. Position support braces (A) as shown with larger holes (B) to the rear.
2. Slide draft pin (C) through one side of blade lift arm (D) and one support brace (A).
3. Slide one washer (E) onto the draft pin.
4. Slide plastic pipe spacer (F) onto the draft pin.
5. Slide one washer (E) onto the draft pin.



M92198

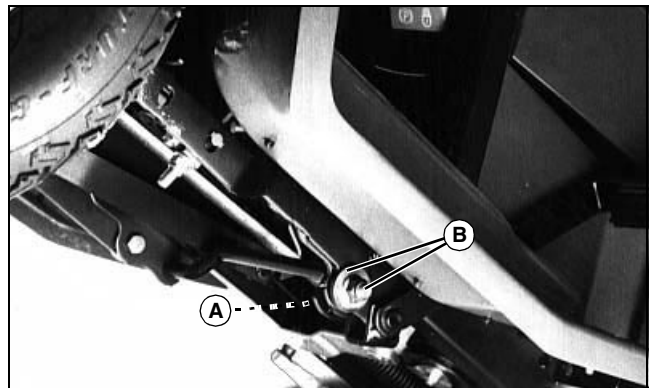
6. Slide draft pin through other support brace and out the other side of the blade lift arm.
7. Slide one washer (G) onto each side of the draft pin.
8. Install a spring locking pin (H) completely through the holes on each end of the draft arm.
9. Slide frame assembly under machine.
10. Install frame assembly on machine. (See Installing section.)

Preparing Vehicle

Remove Mower

1. Remove mower deck.
2. Remove drive belt from machine and store with mower deck.

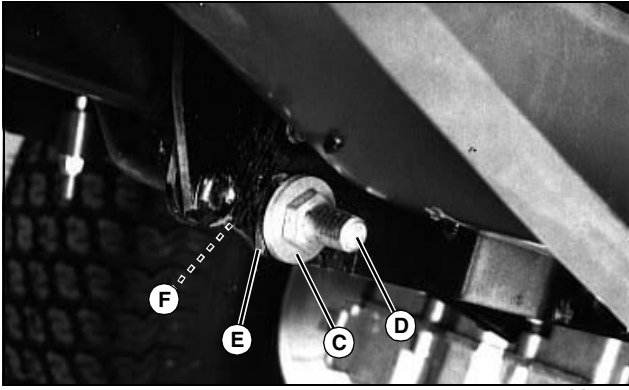
Install Pivot Pins



M74416

1. Remove and retain nut (A), washer, flanged bushing, and bolt (B) from front of draft arm on each side. Leave straight bushing in draft arm.

INSTALLING



M74417

2. For both draft arms, install washer (C) on pivot pin (D).
3. Install pivot pin through bushing and draft arm (E) and bracket.
4. Install nut (F) loosely.

Check Tire Pressure

IMPORTANT: Avoid damage! To prevent tire damage, do not use more than maximum tire pressure shown on sidewall of tire.

NOTE: See your Tractor Operator's Manual for correct tire pressure.

Check tire pressure with an accurate gauge.

Add or remove air, if necessary.

Installing

Installing Machine Weights and Chains



CAUTION: Avoid injury! The machine may become unstable when operating on slopes and/or with some attachments.

Use weights to improve stability when operating on slopes or using attachments.

Remove weights when not required.

NOTE: Before attaching blade, remove mower deck from machine. (See Machine Operator's Manual.)

See your John Deere dealer for weights and chains.

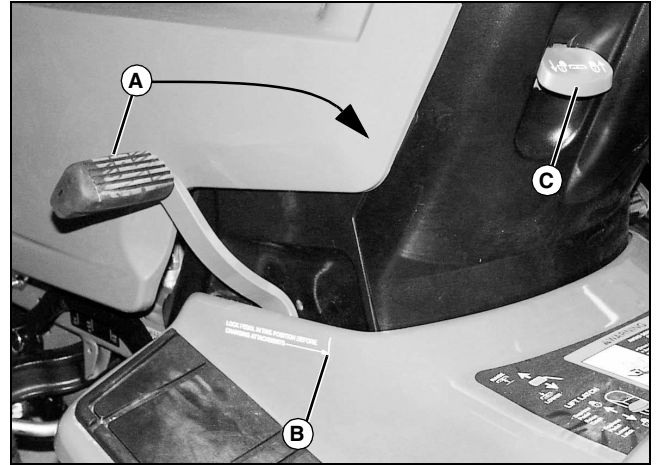
To help traction in difficult conditions it is recommended you:

- Install rear wheel weights on machine.
- Install chains on rear machine tires.

Installing Lift Assembly



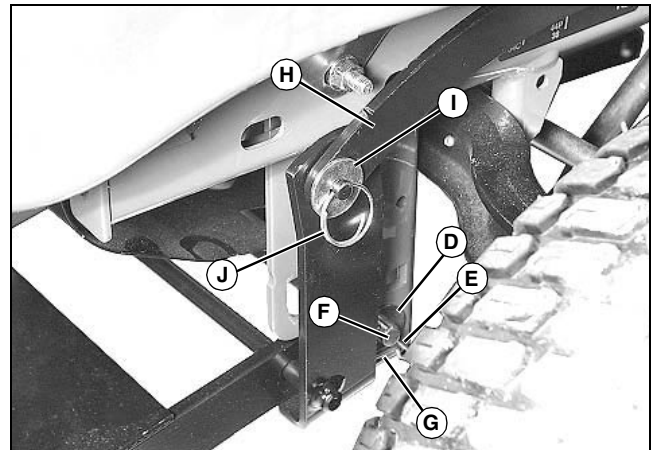
CAUTION: Avoid injury! Lift pedal is spring-assisted and may have unexpected movement. Lock lift pedal when installing or removing attachment.



MX30484

1. Pull lift pedal (A) back by hand to lower attachment to the lower/down position (B). Pull lock lever (C) up to lock blade in the lowered position.
2. Slide lift assembly under machine.

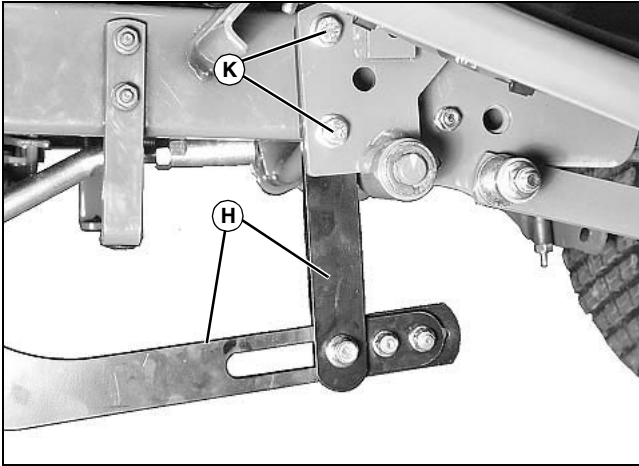
IMPORTANT: Avoid damage! Make sure washer and spring locking pin on each end of front draft pin is to the outside of each tractor bracket. Spring locking pin should be installed completely through draft pin as shown.



MX30483

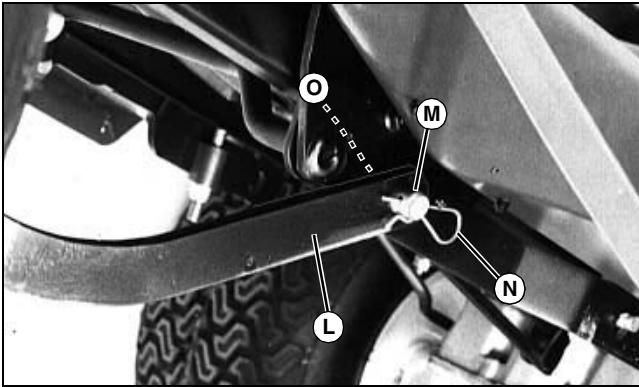
3. Move washer (D) close to spring locking pin (E) on each end of front draft pin (F).
4. Install front draft pin into each J-hook on each side of tractor mounted blade support bracket (G).
5. Secure lift bracket assembly (H) with one 10.5x30x2.5 washer (I) and one locking ring (J).

REMOVING AND STORING ATTACHMENT



MX30485

6. Install rear of lift bracket assembly (H) on lift pedal bracket and secure with two M10x30 bolts (K) and M10 locknuts.



M73220

7. On each side, install support brace (L) on pivot pin (M).

8. Install quick pull pin (N).

9. Tighten nut (O) on other end of pivot pin.

Removing and Storing Attachment

Removing Blade



CAUTION: Avoid injury! When the attachment is removed, also remove any ballast that was added to the machine.

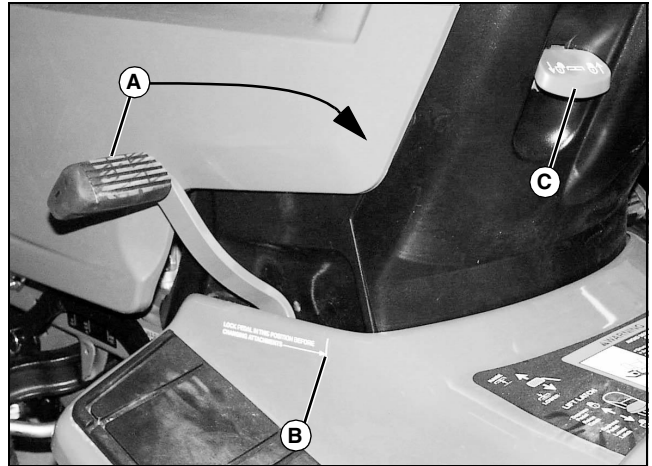
Use only attachments and accessories recommended by the manufacturer.

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

2. Remove weights.



CAUTION: Avoid injury! Lift pedal is spring-assisted and may have unexpected movement. Lock lift pedal when installing or removing attachment.

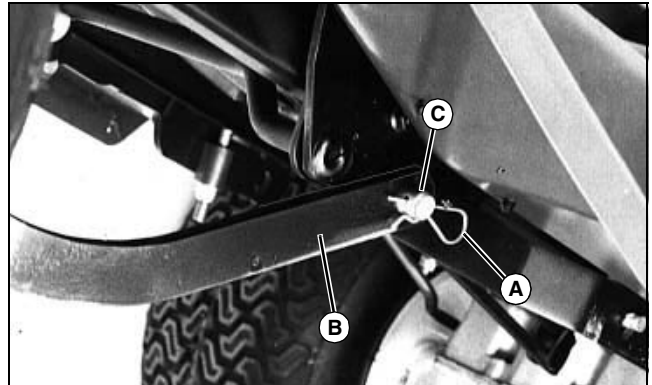


MX30484

3. Pull lift pedal (A) back by hand to lower attachment to the lower/down position (B). Pull lock lever (C) up to lock blade in the lowered position.

Removing Lift Assembly

NOTE: Install drilled pins and spring locking pins in blade assembly for storage.

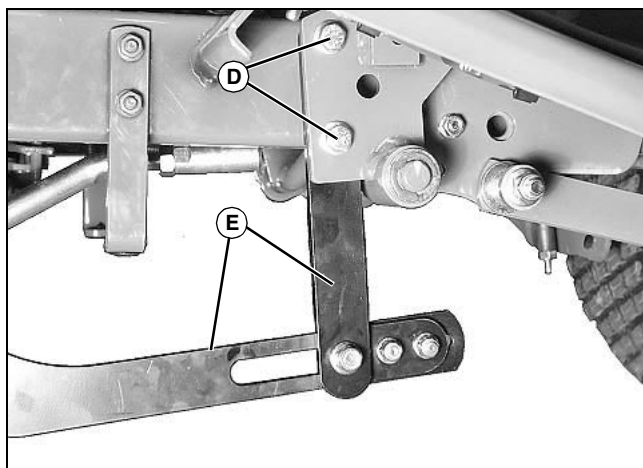


M73220

1. Remove quick pull pin (A) on each side of machine.

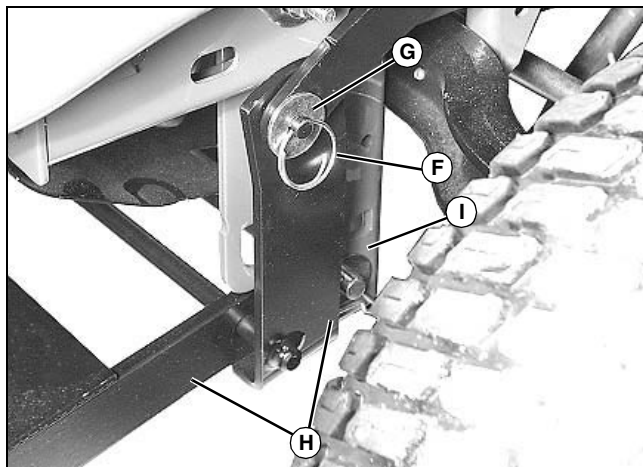
2. Remove support brace (B) on pivot pin (C) on each side of machine.

OPERATING



MX30485

3. Remove two M10 locknuts and M10x30 bolts (D) and lower lift bracket assembly (E).



MX30483

4. Remove one locking ring (F) and washer (G) on left side of machine, and disconnect lift frame assembly (H) from each side of support bracket (I).

5. Slide lift assembly out from under machine.

Storing Safety



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

- Run the engine only long enough to move the machine to or from storage.
- Do not store vehicle with fuel in the tank inside a building where fumes may reach an open flame or spark.
- Allow the engine to cool before storing the machine in any enclosure.

Storing Attachment

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

1. Remove attachment from machine.

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

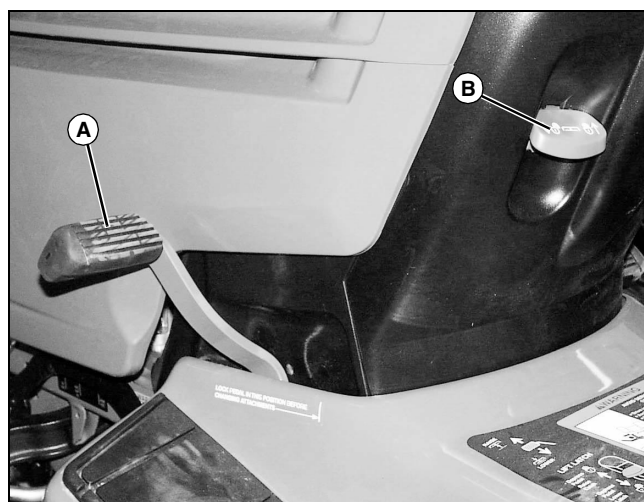
IMPORTANT: Avoid damage! Abrasive surfaces can damage attachment. Store attachment on non-abrasive surface or on wooden blocks.

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

Operating

Raising and Lowering Blade

Raising Blade:



MX30484

1. Push and hold lift pedal (A) down.
2. Pull lift lever (B) up to lock blade in the transport position.
3. Release lift pedal. Pedal should stay down and lift lever should stay locked.

Lowering Blade:

1. Push and hold lift pedal down.
2. Push lift lever down to unlock.
3. Release lift pedal to lower blade to the ground.

Adjusting Lift Pedal Spring Tension

OPERATING



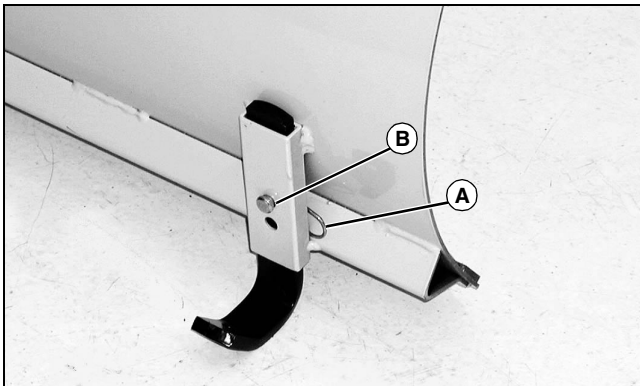
MX30777, MX30710

- Be sure lift spring adjustment bar (A) is set to 48 blade setting (B). Adjust tension, by rotating adjusting bolt (C) (in left front frame tunnel) clockwise to increase tension, and counterclockwise to decrease tension.
- If blade's lift effort is too high increase spring tension, by rotating adjusting bolt (C) (in left front frame tunnel) clockwise to increase tension, and counterclockwise to decrease tension, however too much spring tension may cause blade to "float" along surface being bladed.

Adjusting Skid Shoes

1. Park machine safely but do not lower blade. (See Parking Safely in the SAFETY section.)

NOTE: Make sure each skid shoe is adjusted to same height.



MX10565

2. Remove spring locking pin (A) and drilled pin (B) from shoe.
3. Move shoe to desired position.
4. Install drilled pin and fasten with spring locking pin.
5. Adjust skid shoes.
 - Seven positions 6 mm (1/4 in.) apart from each other.
 - One 13 mm (1/2 in.) adjustment.
6. Repeat above steps to adjust other shoe.

Adjusting Blade Angle

Put blade at an angle:

- When clearing snow or light material.
- To decrease amount of power to move material.

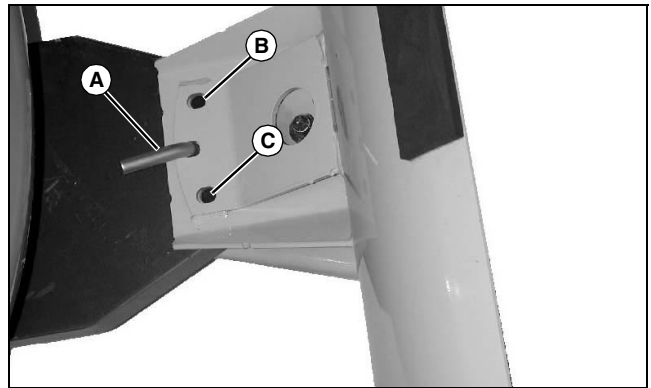
- To decrease rear wheel slippage.

There are three blade positions:

- Straight across.
- 25° to the left.
- 25° to the right.

To adjust blade angle:

1. Lift blade.
2. Park machine safely but do not lower blade. (See Parking Safely in the SAFETY section.)



M92192A

3. Pull lock pin (A).

4. Move blade to desired angle.

- Use center hole to move material straight across.
- Use hole (B) to move material to the left.
- Use hole (C) to move material to the right.

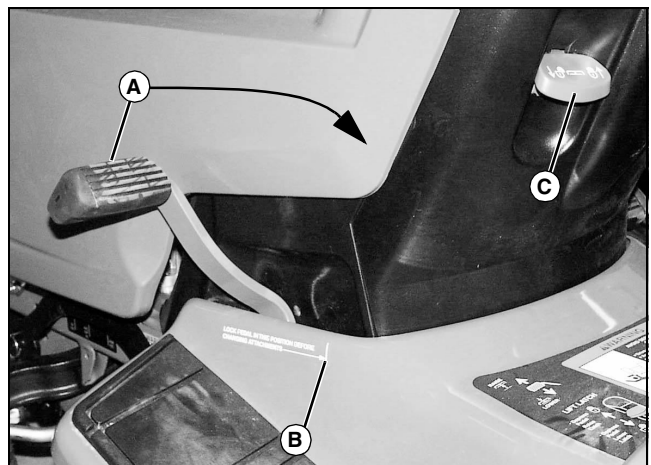
5. Install lock pin.

Adjusting Blade Lift

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



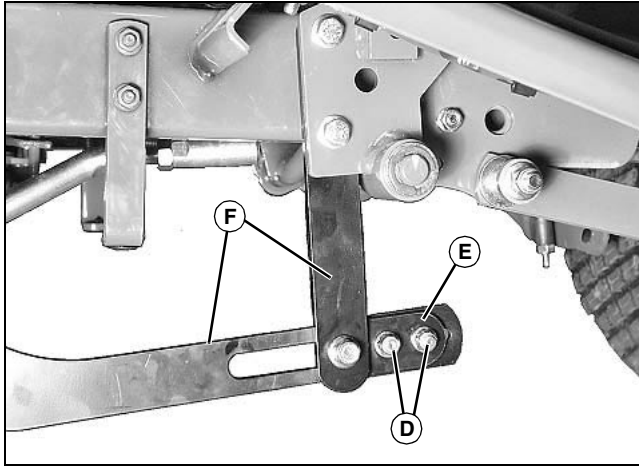
CAUTION: Avoid injury! Lift pedal is spring-assisted and may have unexpected movement. Lock lift pedal when installing or removing attachment.



OPERATING

MX30484

2. Pull lift pedal (A) back by hand to lower attachment to the lower/down position (B). Pull lock lever (C) up to lock blade in the lowered position.



MX30485

3. Loosen bolts and nuts (D) on lift bracket assembly, to loosen adjusting bracket (E).

4. Move adjusting bracket on lift bracket assembly (F) towards front of machine to gain lift height, and towards rear of machine to reduce lift height. Tighten bolts and nuts (D) to secure adjusting bracket (E) in position.

5. Lift blade to check adjustment.

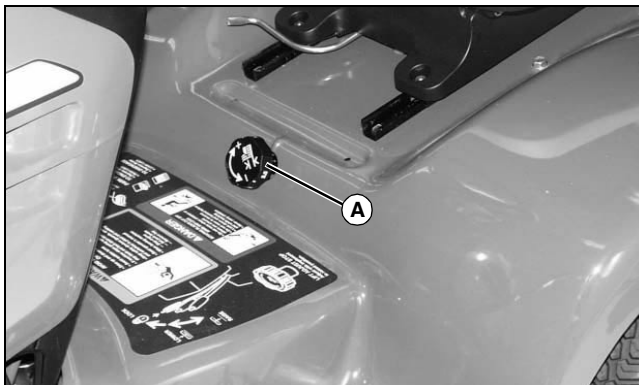
6. Repeat above steps, if necessary.

Using Blade for Leveling or Clearing



CAUTION: Avoid injury! Do not use blade as a battering ram. Do not operate at high speed. Hitting a solid object at high speed can injure operator and damage blade.

IMPORTANT: Avoid damage! Blade is not intended to move a large amount of material. Moving too much can damage machine.



M95967

1. Lock blade in the raised position.

2. Set height control knob (A) to 25 mm (1 in.).

3. Adjust blade angle.

4. Adjust skid shoes for desired blade edge penetration.

NOTE: Always operate engine at full throttle for best engine

performance and blading results.

5. Move throttle lever to the fast position.

6. Lower blade.

7. Move tractor forward at a safe travel speed.

Adjust height of skid shoes if blade penetrates too much.

Operating Tips



CAUTION: Avoid injury! Do not use blade as a battering ram. Do not operate at high speed. Hitting a solid object at high speed can injure operator and damage blade.

1. Operate blade at slow travel speed.

2. This is a light material blade. Blade is not intended to move large amounts of heavy material. Use common sense when you move material.

3. Operate engine at full throttle for best performance.

4. If blade penetrates too much:

- Raise blade.
- Adjust height of skid shoes.

5. Angle blade to left or right:

- To clear material by moving it to the side.
- To clear and level at same time.
- To clear snow or light material.
- To lessen power needed to move material.
- To lessen rear wheel slip.

6. Use blade in straight-across position:

- To move material straight ahead.
- For light leveling.

7. To remove wet material - snow or slush - from a hard surface, install optional rubber squeegee. (See your John Deere dealer.)

8. After you are finished using blade:

- Park machine safely. (See Parking Safely in the SAFETY section.)
- Clean blade with water under pressure.

Transporting



CAUTION: Avoid injury! Use extra care when loading or unloading the machine into a trailer or truck. Close fuel shut-off valve, if your machine is equipped.

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

1. Drive machine and attachment onto heavy-duty trailer equipped with lights and signage required by law.

2. Lower attachment to trailer deck.

3. Stop engine.

4. Lock park brake.

SERVICE

5. Fasten machine and attachment to deck with straps, chains, or cables.

Service

Service Intervals

Beginning of Season

- Lubricate all pivot points on blade assembly.

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.

Troubleshooting

Using Troubleshooting Chart

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

If	Check
Machine Engine Lugs Down	Run engine at full throttle. Angle blade. Raise blade. Adjust skid shoes.
Blade Digs In Too Deep	Raise blade. Adjust skid shoes.
Blade Will Not Remove Loose Material From Surface	Install OPTIONAL squeegee kit.
Rear Machine Wheels Slip	Add rear weights and chains.

Specifications

Blade Specifications

Blade Width: Straight 1.1 m (44 in.)

Blade Width: Angled 1.0 m (39.8 in.)

Range of Lift (Blade positioned straight forward):

Above Ground Level 10 cm (4 in.)

Below Ground Level 25 mm (1 in.)

Blade Height 38 cm (15 in.)

Number of Angling Positions 3

Right and Left Angling Positions 25 Degrees

Weight, Approximate 34 kg (74 lb)

(Specifications and design subject to change without notice).

Getting Quality Service

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.

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

Order Service Parts Online

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

John Deere Quality Continues with Quality Service

John Deere provides a process to handle your questions or problems, should they arise, to ensure that product quality continues with your John Deere dealer's parts and service support.

Follow the three steps below to get answers to any questions you may have about your product.

1. Refer to your attachment and machine operator manuals.
2. Contact your John Deere dealer with unanswered questions.
3. Call the John Deere Customer Communications Center.
 - Call 1-800-537-8233 and provide product serial number and model number.

