

JOHN DEERE
WORLDWIDE COMMERCIAL & CONSUMER
EQUIPMENT DIVISION

Mid-Mount Mower
72 Inch

SN (010001-)

OMLVU14211 G9

OPERATOR'S MANUAL



JOHN DEERE

Original Instruction

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**John Deere Worldwide Commercial and
Consumer Equipment Division**

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Previous Editions

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North American Version

Litho in U.S.A.

INTRODUCTION

2720 compact utility tractor.

Introduction

Using Your Operator's Manual

Read this entire operator's manual, especially the safety information, before operating.

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

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

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

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

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

Product Identification

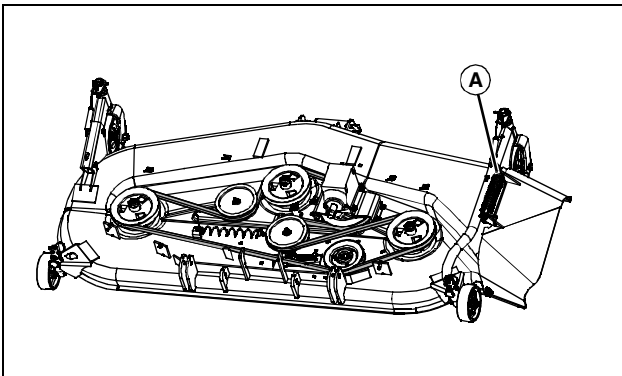
Record Identification Numbers

Mid-Mount Mower

72-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.



MX11349

DATE OF PURCHASE:

DEALER NAME:

DEALER PHONE:

PRODUCT SERIAL NUMBER (A):

Product Compatibility

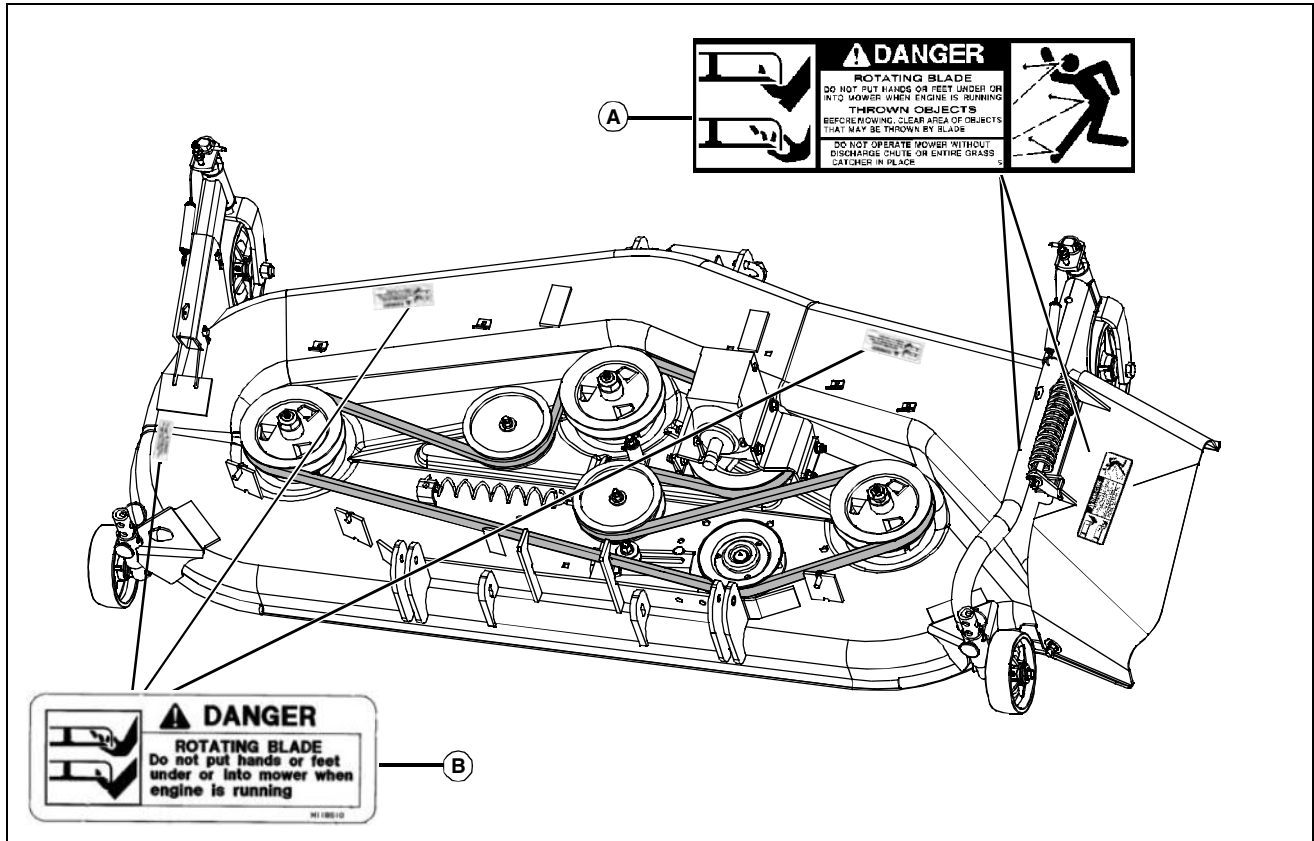
The 72-inch mid-mount mower is with compatible with the 4115, 2520 and

SAFETY LABELS

Safety Labels

Safety Label Location

72 Inch Mower



M89504, M118610

Picture Note: Use label number listed in table below to locate complete text of safety label message following this illustration.

A- Danger- M89504

B- Danger - M118610

DANGER - M118610



M118610



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.

ROTATING BLADE

- Do not put hands or feet under or into mower when engine is running.

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Hello dear friend!

Thank you very much for reading.

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SAFETY

DANGER - M89504



M89504

ROTATING BLADE

- Do not put hands or feet under or into mower when engine is running.

THROWN OBJECTS

- Before mowing, clear area of objects that may be thrown by blade.
- Do not operate mower without discharge chute or entire grass catcher in place.

Safety

Read Safety in Machine Operator's Manual

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

Operator Training Required

- Read the operator's manual and other training material. If the operator or mechanic cannot read English, it is the owner's responsibility to explain this material to them. This publication is available in other languages.
- Become familiar with the safe operation of the equipment, operator controls, and safety signs.
- All operators and mechanics should be trained. The owner of the machine is responsible for training the users.
- Never let children or untrained people operate or service the equipment. Local regulations may restrict the age of the operator.
- The owner/user can prevent and is responsible for accidents or injuries occurring to themselves, other people, or property.
- Operate the machine in an open, unobstructed area under the direction of an experienced operator.

Preparation

- Evaluate the terrain to determine what accessories and attachments are needed to properly and safely perform the job. Only use accessories and attachments approved by the manufacturer.
- Wear appropriate clothing including hard hat, safety glasses and hearing protection. Long hair, loose clothing or jewelry may get tangled in moving parts.
- Inspect the area where the equipment is to be used and remove all objects such as rocks, toys and wire which can be thrown by the machine.
- Use extra care when handling gasoline and other fuels. They are flammable and vapors are explosive.
 - a. Use only an approved container.
 - b. Never remove gas cap or add fuel when engine is running. Do not smoke.
 - c. Never refuel or drain the machine indoors.
- Check that the operator's presence controls, safety switches and shields are attached and functioning properly. Do not operate unless they are

functioning properly.

Operating Safely

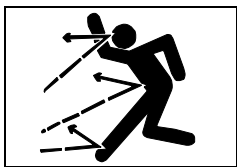
- Never run an engine in an enclosed area where dangerous carbon monoxide fumes can collect.
- Only operate in good light, keeping away from holes and hidden hazards.
- Be sure all drives are in neutral and parking brake is engaged before starting engine. Only start engine from the operator's position. Use seat belts if provided.
- Slow down and use extra care on hillsides. Be sure to travel in the recommended direction on hillsides. For this machine, drive up and down hillsides, not across. Turf conditions can affect the machine's stability. Use caution while operating near drop-offs.
- Slow down and use caution when making turns and when changing directions on slopes.
- Never raise deck with the blades running.
- Never operate with the PTO shield, or other guards, not securely in place. Be sure all interlocks are attached, adjusted properly, and functioning properly.
- Never operate with the discharge deflector raised, removed or altered, unless using a grasscatcher. Do not operate mower without discharge chute or entire grasscatcher in place.
- Do not change the engine governor setting or overspeed the engine. Operating the engine at excessive speed can increase the hazard of personal injury.
- Stop on level ground, lower implements, disengage drives, engage parking brake, and shut off engine before leaving the operator's position for any reason including emptying the grasscatchers or unclogging the chute.
- Stop equipment and inspect blades after striking objects or if an abnormal vibration occurs. Make necessary repairs before resuming operations.
- Keep hands and feet away from the cutting units.
- Look behind and down before backing up to be sure of a clear path.
- Never carry passengers and keep pets and bystanders away.
- Slow down and use caution when making turns and crossing roads and sidewalks. Stop blades if not mowing. Watch for traffic when operating near or crossing roadways.
- Be aware of the mower discharge direction and do not point it at anyone.
- Do not operate the machine while under the influence of alcohol or drugs.
- Use care when loading or unloading the machine into or off of a trailer or truck.
- Use care when approaching blind corners, shrubs, trees, or other objects that may obscure vision.
- 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.
- Before using, always visually inspect to see that the blades, blade bolts and the mower assembly are not worn and damaged. Replace worn and damaged blades and bolts in sets to preserve balance.
- Keep safety labels visible when installing accessories and attachments.
- Do not wear radio or music headphones. Safe service and operation require your full attention.

SAFETY

- When machine is left unattended, stored, or parked, lower the mower deck unless a positive mechanical lock is used.

Parking Safely

1. Stop machine on a level surface, not on a slope.
2. Disengage PTO and stop attachments.
3. Lower attachments to the ground.
4. Lock park brake.
5. Stop engine.
6. Remove key.
7. Wait for engine and all moving parts to stop before you leave the operator's station.
8. Close fuel shut off valve before servicing the fuel system, if your machine is equipped.
9. Disconnect the battery ground cable before making repairs to electrical system or doing any welding.

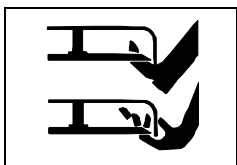


Checking Mowing Area

- Clear mowing area of objects that might be thrown. Keep people and pets out of mowing area.
- Low-hanging branches and similar obstacles can injure the operator or interfere with

mowing operation. Before mowing, identify potential obstacles such as low-hanging branches, and trim or remove those obstacles.

- Study mowing area. Set up a safe mowing pattern. Do not mow where traction or stability is doubtful.
- Test drive area with mower lowered but not running. Slow down when you travel over rough ground.



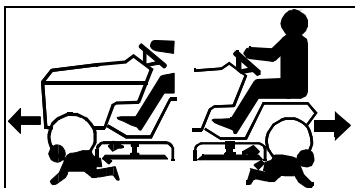
Rotating Blades are Dangerous

HELP PREVENT SERIOUS OR FATAL ACCIDENTS:

- Rotating blades can cut off arms and legs, and throw objects. Failure to observe safety instructions could result in serious injury or

death.

- Keep hands, feet and clothing away from mower deck when engine is running.
- Be alert at all times, drive forward carefully. People, especially children can move quickly into the mowing area before you know it.
- Do not mow in reverse.
- Shut off blades when you are not mowing.
- Park machine safely before leaving the operator station for any reason including emptying the catchers or unplugging the chute.



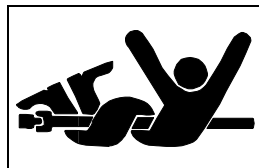
Protect Children

- Death or serious injury can occur when young children associate having fun with a lawn mowing machine simply because someone has given them a ride on a machine.

- Children are attracted to lawn mowing machines and mowing activities. They don't understand the dangers of rotating blades or the fact that the

operator is unaware of their presence.

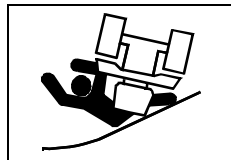
- Children who have been given rides in the past may suddenly appear in the mowing area for another ride and be run over or backed over by the machine.
- Tragic accidents with children can occur if the operator is not alert to the presence of children, especially when a child approaches a machine from behind. Before and while backing up, stop mower blades and look down and behind the machine carefully, especially for children.
- Never carry children on a machine or attachment, even with the blades off. Do not tow children in a cart or trailer. They can fall off and be seriously injured or interfere with safe machine operation.
- Never use the machine as a recreational vehicle or to entertain children.
- Never allow children or an untrained person operate the machine. Instruct all operators not to give children a ride on the machine or in an attachment.
- Keep children indoors, out of the mowing area, and in the watchful eye of a responsible adult, other than the operator, when a mower is being operated.
- Stay alert to the presence of children. Never assume that children will remain where you last saw them. Turn the machine off if a child enters the work area.
- Use extreme care when approaching blind corners, shrubs, trees, or other objects that may block your view of a child.



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.



Avoid Tipping

- Slopes are a major factor related to loss-of-control and tip-over accidents, which can result in severe injury or death. Operation on all slopes requires extra caution.
- Be aware that mechanical front wheel drive (MFWD) can improve access to dangerously sloped terrain, thereby increasing the possibility of a tipover.
- Drive up and down a hill - not across.
- Watch for holes, ruts, bumps, rocks, or other hidden objects. Uneven terrain could overturn the machine. Tall grass can hide obstacles.
- Do not operate machine on wet grass. Tires may lose traction. Tires may lose traction on slopes even though the brakes are functioning properly.
- Choose a low ground speed so you will not have to stop or shift while on a slope.
- Always keep the machine in gear when going down slopes. Do not shift to neutral and coast downhill.
- Avoid starting, stopping or turning on a slope. If the tires lose traction, disengage the blades and proceed slowly, straight down the slope.
- Keep all movement on slopes slow and gradual. Do not make sudden changes in speed or direction, which could cause the machine to roll over.
- Do not operate machine near drop-offs, ditches, embankments, or bodies of water. The machine could suddenly roll over if a wheel goes over the edge or the edge caves in. Leave a safety area between the machine and any hazard.

ASSEMBLY

- Danger of tipping is increased greatly with tires in narrow tread setting and driving at high speed.
- Follow the manufacturer's recommendations for wheel weights or counterweights for added stability when operating on slopes or using front or rear mounted attachments. Remove weights when not required.



Wear Appropriate Clothing

- Always wear safety goggles, or safety glasses with side shields, and a hard hat when operating the machine.

- Wear close fitting clothing and safety equipment appropriate for the job.

- While mowing, always wear substantial footwear and long trousers. Do not operate the equipment when barefoot or wearing open sandals.

- Wear a suitable protective device such as earplugs. Loud noise can cause impairment or loss of hearing.



Maintenance and Storage

- Never operate machine in a closed area where dangerous carbon monoxide fumes can collect.

- Disengage drives, lower implement, lock parking brake, stop engine and remove key or disconnect spark plug (for gas engines). Wait for all movement to stop before adjusting, cleaning or repairing.

- Clean grass and debris from cutting units, drives, mufflers, and engine to help prevent fires. Clean up oil or fuel spillage.

- Let engine cool before storing and do not store near flame.

- Shut off fuel while storing or transporting. Do not store fuel near flames or drain indoors.

- Park machine on level ground. Never allow untrained personnel to service machine. Understand service procedure before doing work.

- Use jack stands or lock service latches to support components when required. Securely support any machine elements that must be raised for service work.

- Before servicing machine or attachment, carefully release pressure from any components with stored energy, such as hydraulic components or springs.

- Release hydraulic pressure by lowering attachment or cutting units to the ground or to a mechanical stop and move hydraulic control levers back and forth.

- Disconnect battery or remove spark plug (for gas engines) before making any repairs. Disconnect the negative terminal first and the positive last. Reconnect positive first and negative last.

- Use care when checking blades. Wrap the blades or wear gloves, and use caution when servicing them. Only replace blades. Never straighten or weld them.

- Keep hands, feet, clothing, jewelry and long hair away from moving parts. If possible, do not make adjustments with the engine running.

- Charge batteries in an open well ventilated area, away from spark and flames. Unplug charger before connecting or disconnecting from battery. Wear protective clothing and use insulated tools.

- Keep all parts in good working condition and all hardware tightened. Replace all worn or damaged decals.

- Check grasscatcher components and the discharge guard frequently and replace with manufacturer's recommended parts, when necessary. Grasscatcher components are subject to wear, damage, and deterioration

which could expose moving parts or allow objects to be thrown.

- Keep all nuts and bolts tight, especially blade attachment bolts, to be sure the equipment is in safe working condition.

- Check brake operation frequently. Adjust and service as required.

- On multi-bladed machines, take care as rotating one blade can cause other blades to rotate.

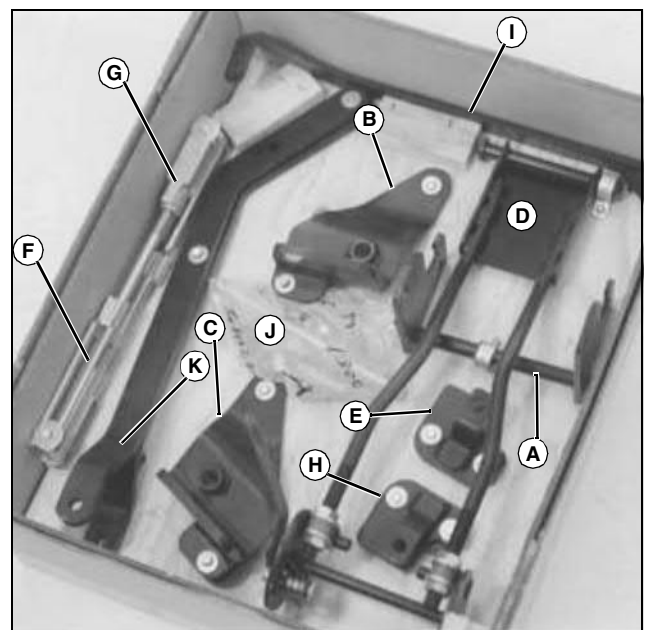
Assembly

Identify Parts

Following parts are included in crate:

- Deck with rear wheels installed upside down on deck.

Following parts are included in the box of Lift System Parts:



M86170

Qty	Description
1	Mower Mounting Bracket (A)
1	Welded Right Lift Arm Bracket (B)
1	Welded Left Lift Arm Bracket (C)
1	Front Draft Arm Assembly (D)
1	Welded Right Draft Bracket Support (E)
2	Welded Lift Link (F)
2	Welded Clevis (G)
1	Welded Left Draft Pivot Bracket (H)
1	Sway Bar (I)
1	Bag of Hardware (J)
2	Right and Left Rear Draft Arm (K)

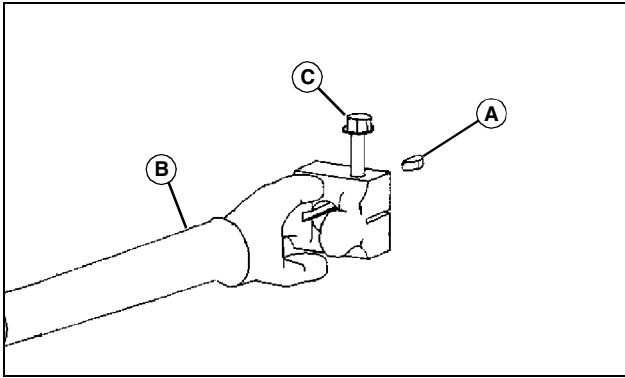
ASSEMBLY

Install Rear Wheels

1. Remove hardware securing wheels to mower.
2. Remove wheels, rotate and install in proper position on mower.
3. Install hardware to secure wheels to mower.

Install PTO Shaft On Gearbox

1. Remove cover from gearbox shaft.

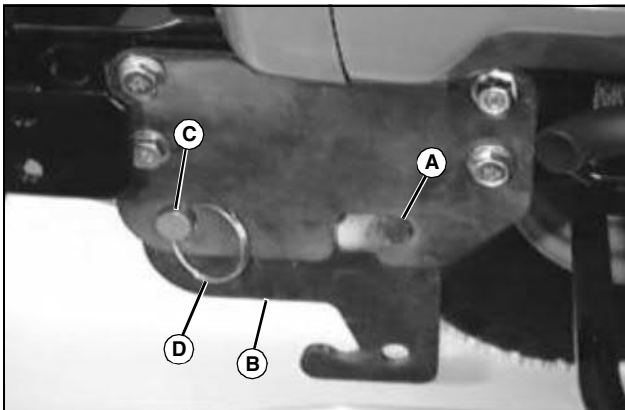


M63600

2. Install key (A) in slot in gearbox shaft. Coat shaft with MPG-2 lubricant or equivalent.
3. Install PTO shaft (B) on gearbox.
4. Fasten with one M10x50 hex head bolt (C). Tighten to 75 N•m (55 lb-ft).

Attach Mower Mounting Bracket

NOTE: A front attaching support kit or hood guard is also required to install the front hitch.



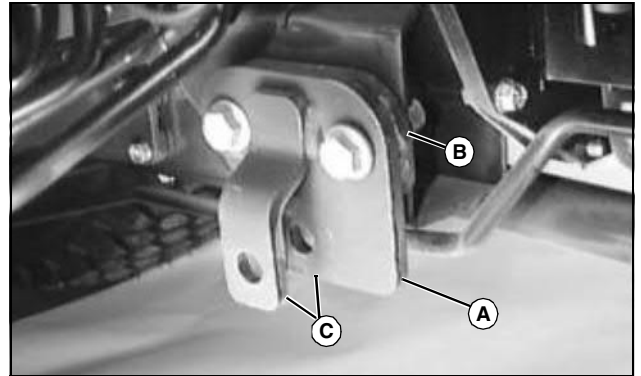
M86172

1. Place welded pin (A) of the mower mounting bracket (B) in the rear of slot on the attaching support bracket or hood guard.
2. Slide pin (C) all the way through front hole and attach with locking rings (D) on each end.

Attach Rear Draft Arm Support Brackets

NOTE: The right draft arm bracket has a wider space to allow the right rear draft arm and sway bar to be connected to the bracket.

Spacer plates are not required with loader arms installed.

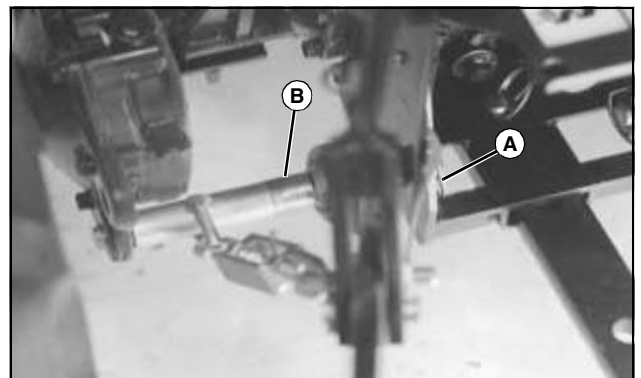


M86176

Picture Note: Right draft arm bracket shown.

1. Connect each draft arm bracket (A) and spacer plate (B) to the frame with M12x40 hex head bolts and M12 flanged locknuts.

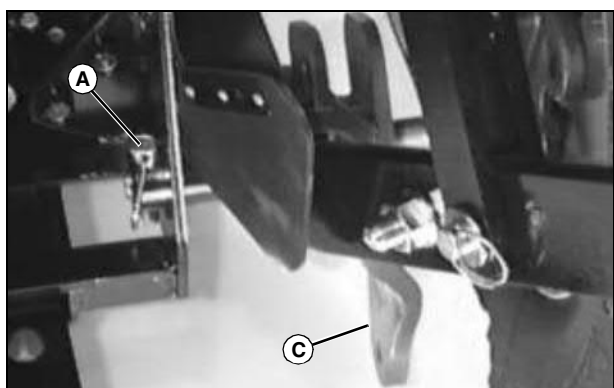
Attach Lift Arm Brackets



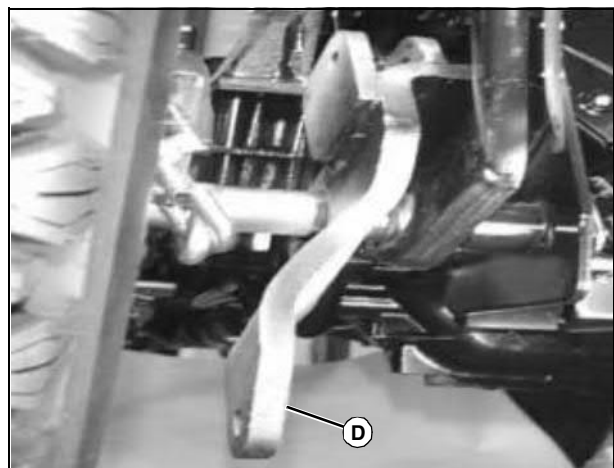
M86171

1. Remove quick-lock pins (A) and slide shaft inward enough to remove bushing (B) from rear lift arms (one on each side).

ASSEMBLY



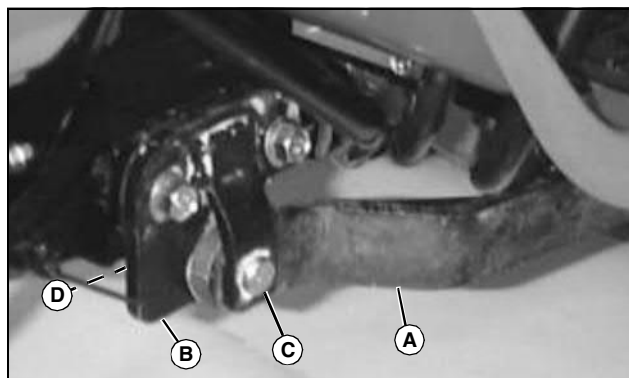
M86177



M86179

2. Install right rear lift arm bracket (C) and the left rear lift arm bracket (D) on the left side, in place of the bushing just removed.
3. Slide shaft back in place and install quick-lock pin (A).

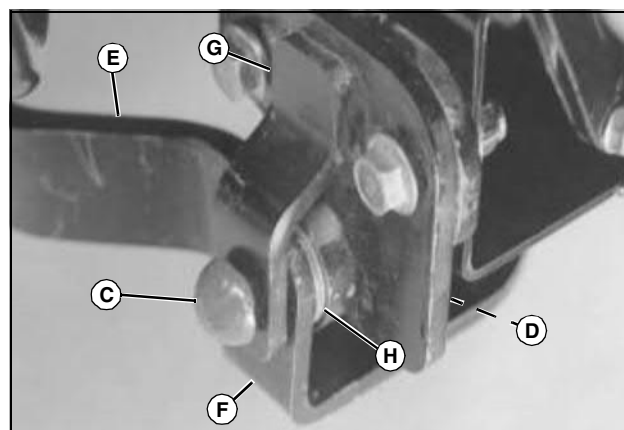
Assemble Lift Links to Right and Left Draft Arms



M86185

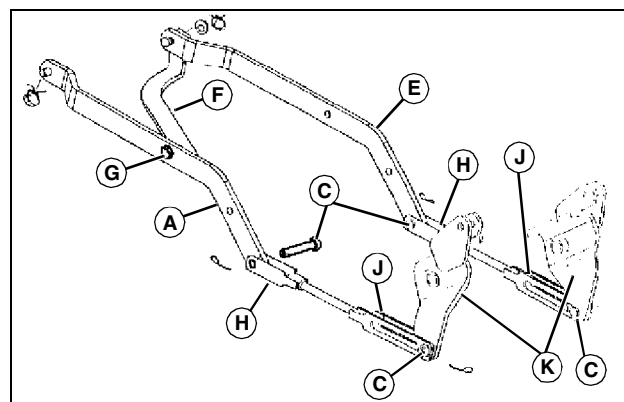
1. Connect the left draft arm (A) to the rear draft support bracket (B), using a draft arm pin (C) and a locking ring (D).

NOTE: Install two washers if space allows to minimize clearance.



M86186

2. Connect the right draft arm (E) and the end of the sway bar (F) to the draft arm bracket (G). Place one washer (H) (or two if space allows) between the sway bar and the right draft arm. Secure using draft arm pin (C) and locking ring (D).

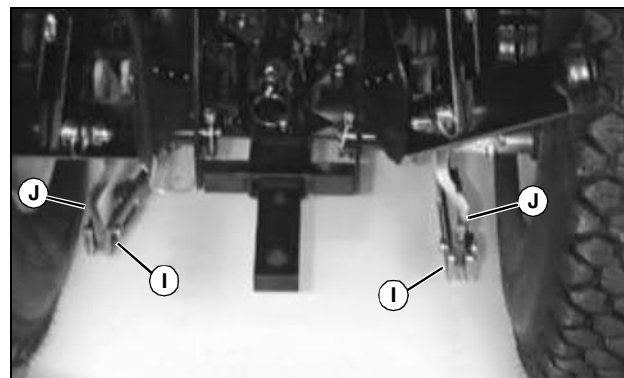


M86184

3. Attach the sway bar (F) to the left draft arm (A) using an M12x40 hex head bolt (G) and M12 flanged locknut.
4. Attach each clevis (H) to draft arms (A and E) using draft arm pins (C) and cotter pins.

NOTE: The lift links come preset at 50 cm (20 in.), but need to be adjusted to the upstop.

Do not bend cotter pin at this time.



M86183

5. Fasten each lift link (I) to the mower lift arm brackets (J) using a draft arm pin (C), washers each side and a cotter pin.

INSTALLING

Installing

Preparing the Machine

NOTE: Read and complete the Assembly Section of this operator manual if installing the attachment for the first time.

Required Equipment

- Front attaching support kit

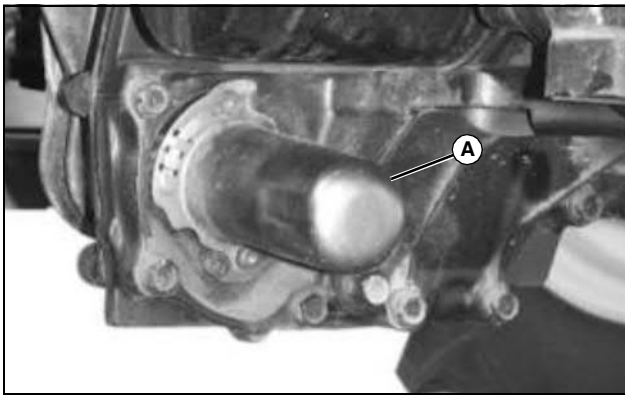
Machine Setup

- Check the tire pressures for machine to ensure proper cutting height.

Installing Mower

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

NOTE: Do not discard mid-PTO shield. Install shield when attachment driveshaft is removed.



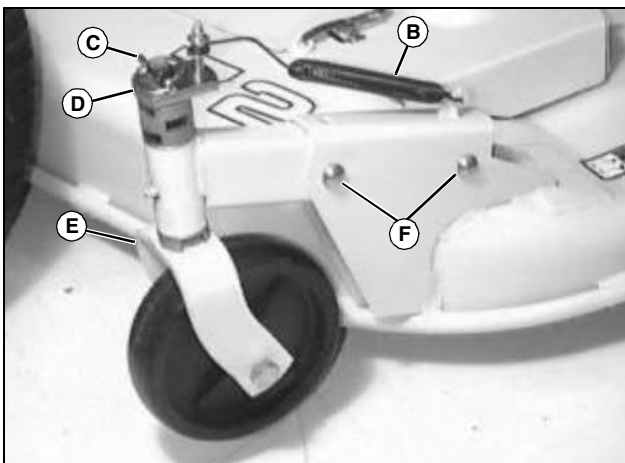
MX15662

2. Turn PTO shield (A) counter-clockwise to remove from mid-PTO shaft.



CAUTION: Avoid injury! Component is spring-assisted and under tension. Injury can occur if spring-assisted component is released suddenly.

NOTE: Turn both front wheels using following procedure.

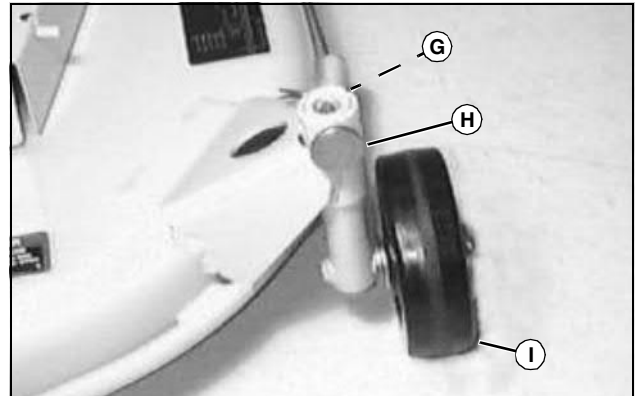


M94467

3. Remove spring (B) from each front wheel assembly by removing quick-lock pin (C), and lifting the tension bracket (D) off pivot shaft.
4. Remove left front wheel assembly (E) by removing the spring locking

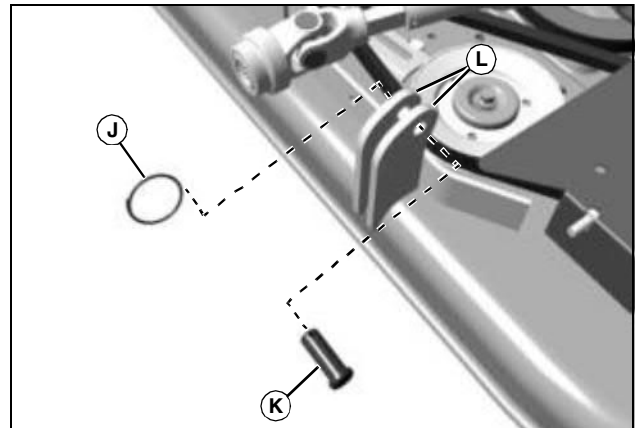
pins and drilled pins (F).

NOTE: Turn both rear wheels using following procedure.



M94465

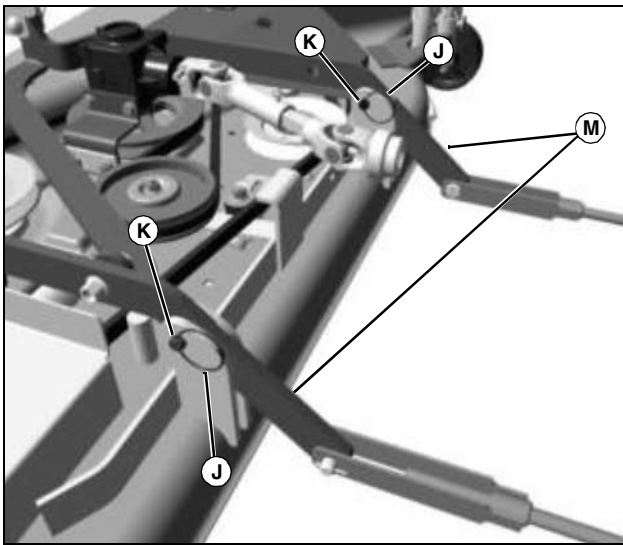
5. Remove locking ring (G) and drilled pin (H).
6. Turn rear wheel (I) sideways.
7. Install drilled pin and spring locking pin.



MX15660

8. Remove locking rings (J) and drilled pins (K) from rear mounting brackets (L) on both sides of the mower deck.
9. Turn steering wheel fully to the left.
10. Start engine.
11. Pull depth control rockshaft lever to rear to fully raise lift arms.
12. Stop engine.
13. Roll mower under tractor from right side of machine.
14. Push rockshaft control lever forward to lower lift arms.

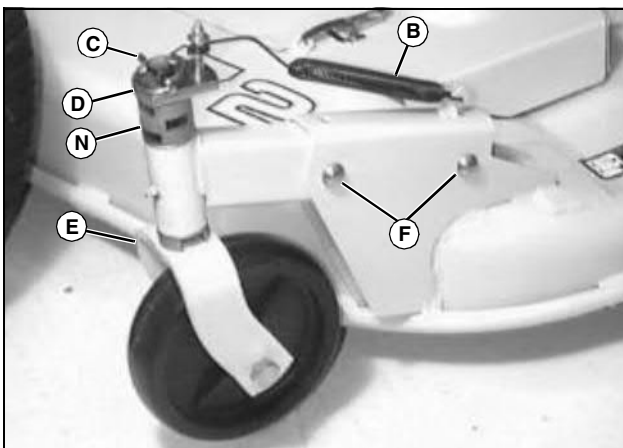
INSTALLING



MX15661

15. Install both rear draft arms (M) between the rear mounting brackets on the mower deck.

16. Secure the rear draft arms to the mower deck mounting brackets using drilled pins (K) and locking rings (J).



M94467

17. Install each front wheel assembly (E) using spring locking pins and drilled pins (F).

18. If the spacers (N) were removed, install spacers to match the number and position on the other front wheel.

19. Rotate the wheel as shown.

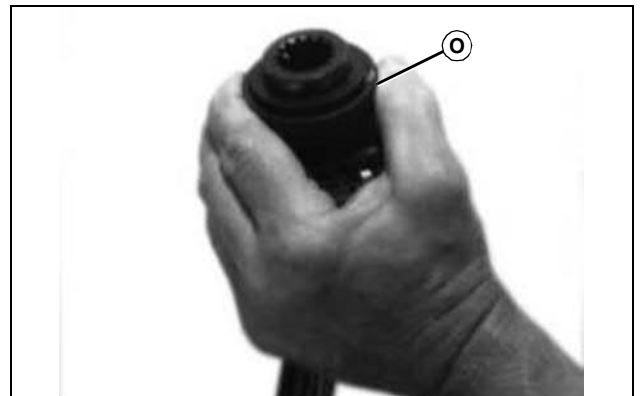


CAUTION: Avoid injury! Component is spring-assisted and under tension. Injury can occur if spring-assisted component is released suddenly.

20. Install spring (B) by installing tension bracket (D) on the pivot shaft.

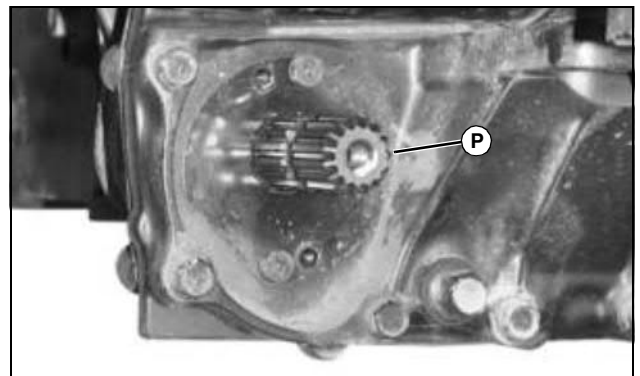
21. Install quick-lock pin (C).

22. Rotate rear wheels to mowing position.



M39708a

23. Pull back and hold the locking collar (O) on the driveshaft coupler.

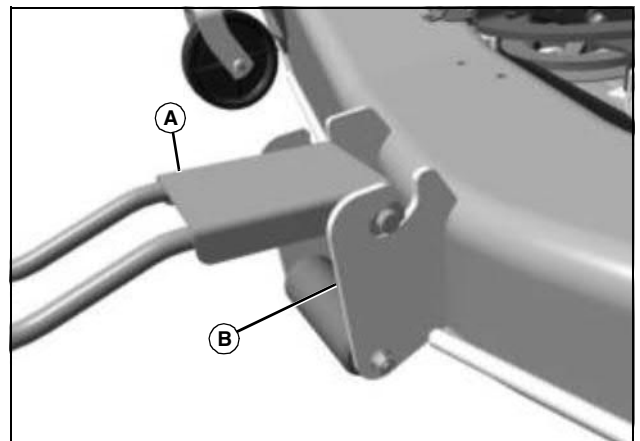


MX15663

24. Push driveshaft on the mid-PTO shaft (P) until the coupler stops.

25. Pull the driveshaft until the locking collar (O) locks in place.

Connect Front Draft Arm Assembly



MX15763A

1. Install front draft arm assembly (A) in the slot in the bracket (B) on front of mower deck.

2. Position mower draft arm assembly, so that the round side plates are inside the mounting bracket on the front of the tractor, and the lever is outside the bracket.



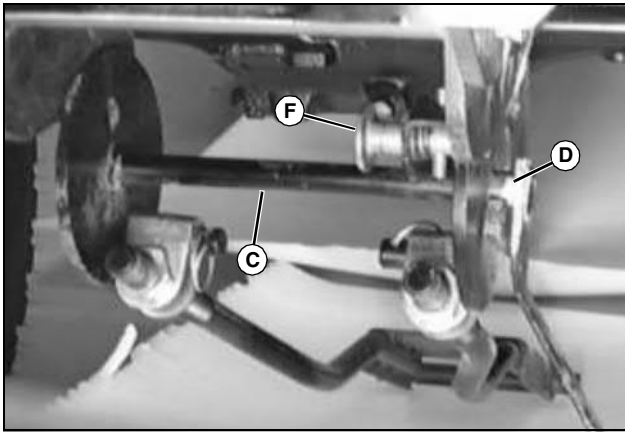
Suggest:

If the above button click is invalid.

Please download this document first, and then click the above link to download the complete manual.

Thank you so much for reading

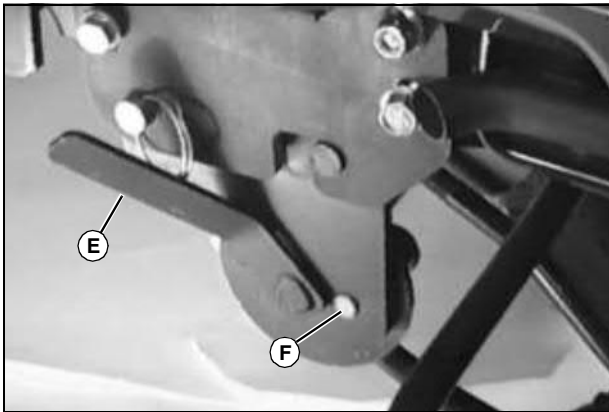
INSTALLING



M86173

3. Install pivot shaft (C), making sure each end (D) is secure in the slot of the mounting bracket.

NOTE: Spring loaded pin must snap in hole.



M86175

4. Pivot lever (E) to rear until pin (F) snaps in place.

5. Start engine.

6. Raise mower by pulling depth control rockshaft lever rearward.

7. Stop engine.

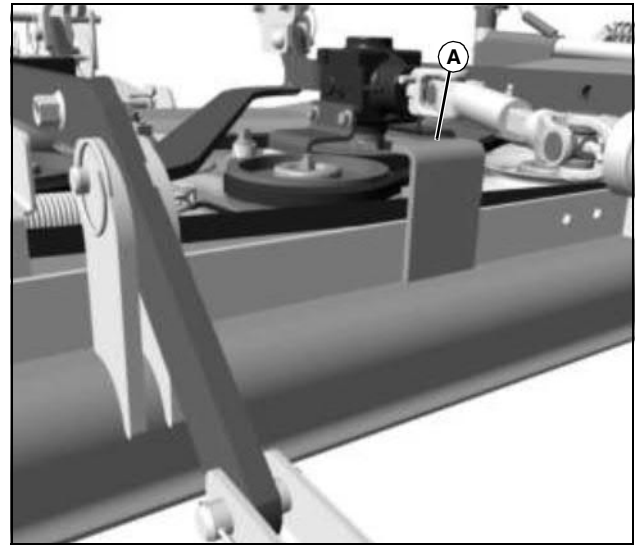
Adjusting Deck Lift Height

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

2. Start engine.

3. Raise mower by pulling depth control rockshaft lever rearward.

4. Stop engine.

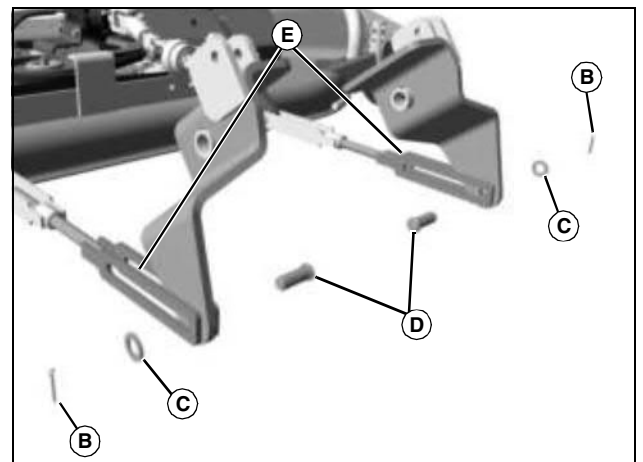


MX15670

5. Check the distance between the top of the upstop (A) at the rear of the mower deck and the machine frame. Clearance should be 3 mm (1/8 in.) or less. Adjust as needed.

6. Adjust upstop-to-frame clearance:

a. Push rockshaft lever forward to fully lower lift arms.



MX15671

b. Remove cotter pins (B) and washers (C).

c. Remove drilled pins (D)

NOTE: Clockwise will shorten links and raise deck.

d. Rotate each turnbuckle (E) equal amounts on of the lift link, until the 3 mm (1/8 in.) is obtained between the upstop and the frame.

e. Install drilled pins (D).

f. Install washers (C) and cotter pins (B).

g. Raise mower deck and check adjustment.

7. Adjust anti-scalp wheel height.

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