

JOHN DEERE
WORLDWIDE COMMERCIAL & CONSUMER
EQUIPMENT DIVISION

Vibratory Roller
VR66, VR73
VR84
OMKV16797 H1
OPERATOR'S MANUAL



JOHN DEERE

North American Version
Litho in U.S.A.

INTRODUCTION

Thank You for Purchasing a John Deere Product

We appreciate your business and wish you many years of safe and satisfied use of your machine.

IMPORTANT: Avoid damage! This text is used to advise the operator of actions or conditions that might result in damage to the machine.

NOTE: Information is given throughout the manual that may help the operator with 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 at all times.

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 the 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 pre-delivery 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

Vibratory Roller for Skid Steers

VR66 Smooth Serial No. (KVVR66X100101 -)

VR66 Sheep's Foot Serial No. (KVVR66S100101 -)

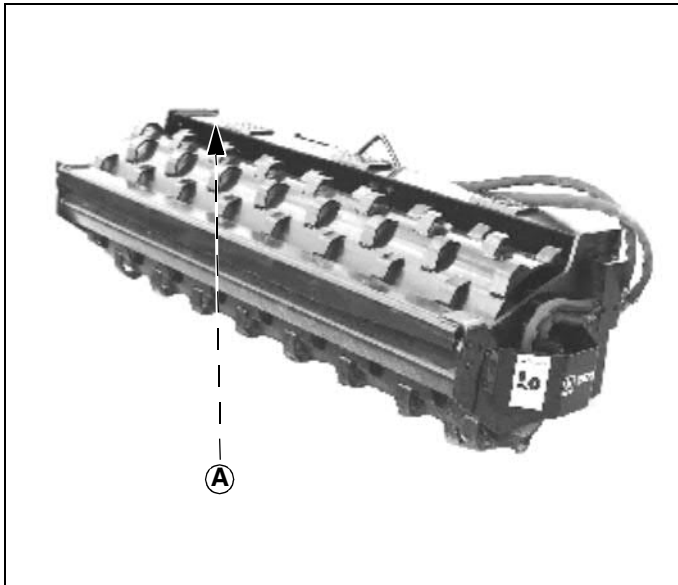
VR73 Smooth Serial No. (KVVR73X100101 -)

VR73 Sheep's Foot Serial No. (KVVR73S100101 -)

VR84 Smooth Serial No. (KVVR84X400101 -)

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 numbers for the vibratory roller and record the information in the spaces provided below.



KV0091

DATE OF PURCHASE:

DEALER NAME:

DEALER PHONE:

SERIAL NUMBER (A):

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Hello dear friend!

Thank you very much for reading.

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The full manual is available for immediate download.

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TABLE OF CONTENTS

Safety	1
Preparing Vehicle	5
Installing	6
Removing	8
Operating	9
Service Intervals	12
Service	13
Troubleshooting	16
Storage	17
Specifications	18
Warranty	20
Index	21

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Consumer Equipment Division
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OMKV16797 H1 - English

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

- Before attempting to perform any work on the engine, disconnect the battery and remove the spark plug wires.
- Do not touch the engine or any of the components while the engine is running.
- Do not touch the engine or any of the components while the engine is hot.

- Read operator's manual before operating equipment. Contact your dealer for a replacement manual if lost or damaged.
- Check work area before operating. Be aware of others.
- Service according to operator's manual.

- This decal indicates a crushing hazard due to the rotating roller drum.
- Stay clear of this area during operation.
- Failure to observe this warning could result in serious injury or death.

[illegible]

- Study the Skid Steer's Operator Manual. Know the location and function of all controls. Know how to operate the skid steer before using this attachment.
- Study operating section of this manual before operating the vibratory roller. Know location and function of all controls.
- Operate machine in an open, unobstructed area under the direction of an experienced operator.
- Learn the use of all controls.
- Operator experience is required to learn the operating characteristics of the machine.

SAFETY

Operate Safely

- Inspect the machine and attachment before you operate. Be sure all 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 operate vibratory roller unless it is properly installed on the skid steer.
- If you hit an object, stop machine and inspect it. Make repairs before you operate. Keep machine properly maintained and in good working order.
- Do not leave skid steer unattended while it is running.
- Only operate during daylight or with adequate artificial light.
- Watch for overhead wires. Never touch wires with any part of the skid steer boom or vibratory roller.
- Do not let anyone ride on the skid steer.
- Do not let children or an untrained person operate machine.
- Always check to the sides and rear of the skid steer before backing up.

IMPORTANT: Avoid damage! To operate efficiently, the vibratory roller drum must operate in the same direction as the skid steer is traveling.

Operating skid steer and vibratory roller drum in opposite directions can cause damage to the skid steer and/or vibratory roller.

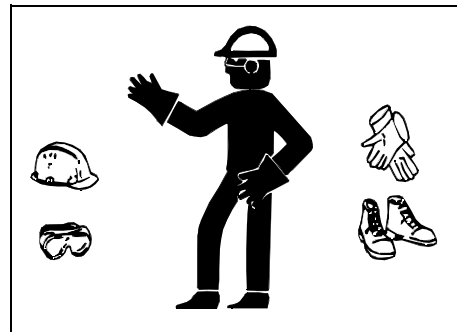
Park Safely

1. Stop machine on a level surface, not on a slope.
2. Lower boom so attachments are on the ground. (If you must leave boom raised, be sure any attachment is removed and the boom locks are in the locked [Engaged] position, and boom is resting on locks.)
3. Engage park brake switch.
4. Stop engine.
5. Remove key.
6. Before you leave the operator's seat, wait for engine and all moving parts to stop.

Avoid Tipping

- Do not drive where machine could slip or tip.
- Stay alert for holes and other hidden hazards in the terrain. Avoid rocks, roots, and ditches.
- Slow down before you make a turn or operate on a slope.
- Drive up and down a hill – not across. Be careful when you change direction on a slope.

Wear Appropriate Clothing



MIF

- Wear close fitting clothing and safety equipment appropriate for the job.
- Always wear safety goggles or safety glasses with side shields when operating the machine.
- Wear a suitable protective device such as earplugs. Loud noise can cause impairment or loss of hearing.
- Do not wear radio or music headphones. Safe service and operation requires your full attention.

Stay Clear of Rotating Devices



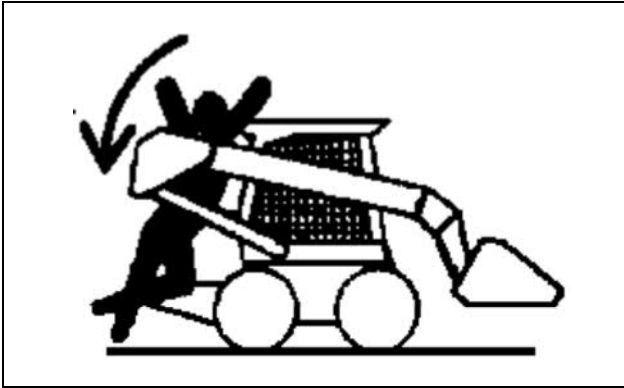
MIF

Entanglement in rotating devices can cause serious injury or death.

SAFETY

- Stop the engine and be sure attachment is stopped before exiting the skid steer and before allowing people near the attachment.

Practice Safe Maintenance



M71840A

- Do not work under a raised boom unless it is resting on boom locks and attachment has been removed. When lowered, boom arms will move near engine hood and frame; never stand or lean on skid steer where linkage can crush you.

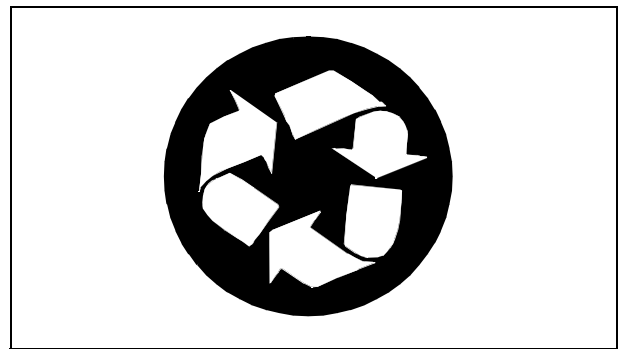


MIF

- 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 tine attachment bolts.
- Securely support any machine elements that must be raised for service work.
- Never run engine unless park brake is locked.
- Keep all parts in good condition and properly installed. Fix damage immediately. Replace worn or broken parts. Replace all worn or damaged safety and instruction decals.
- To prevent fires, remove any buildup of grease, oil, or debris from the machine, especially the engine compartment.
- 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.

Handling Waste Product and Chemicals

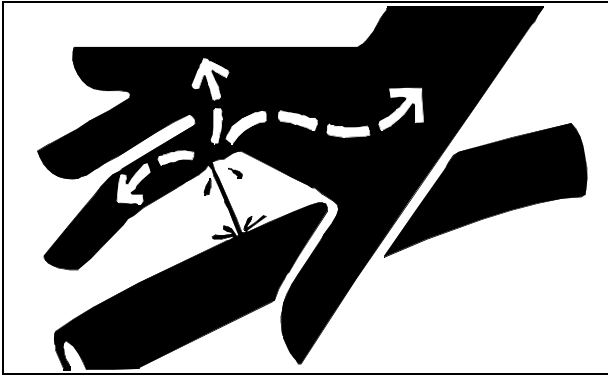


MIF

- Waste products, such as, used oil, fuel, coolant, brake fluid, and batteries, can harm the environment and people.
- DO NOT use beverage containers for waste fluids - someone may drink from them.
- See your local Recycling Center or John Deere dealer to learn how to properly recycle and get rid of waste products.
- A Material Safety Data Sheet (MSDS) provides specific details on chemical products: physical and health hazards, safety procedures, and emergency response techniques. See your John Deere dealer for the MSDS on chemical products used with your machine.

SAFETY

Avoid High Pressure Fluids

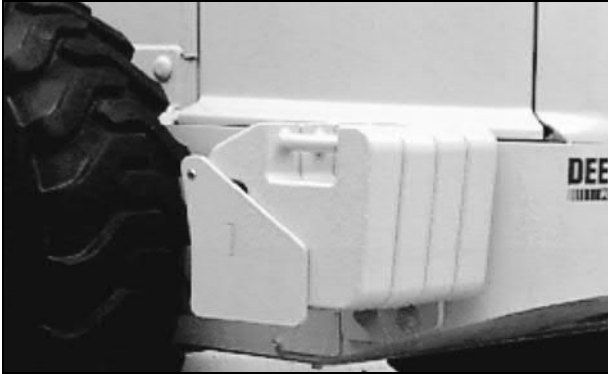


MIF

- Hydraulic hoses and lines can fail due to physical damage, kinks, age, and exposure. Check hoses and lines regularly. Replace damaged hoses and lines.
- Hydraulic fluid connections can loosen due to physical damage and vibration. Check connections regularly. Tighten loose connections.
- 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. Information may be obtained in the United States and Canada only by calling 1-800-822-8262.

PREPARING VEHICLE

Ballasting



KV0231

Rear ballast is required for the following combinations:

- Model 240 with VR66 Smooth, VR66 Sheep's Foot or VR73 Smooth Vibratory Roller.
- Model 250 with VR66 Sheep's Foot, VR73 Smooth and VR84 Smooth Vibratory Roller.
- Rear ballast is not required on the 260 and 270 models but may improve skid steer stability when the vibratory roller is installed.
- Rear ballast consists of a total of eight 20 kg (44 lb) Quik-Tatch weights mounted behind the rear skid steer tires. Ballasting kits are available at your authorized John Deere skid steer dealer.

INSTALLING

Using QUIK-TATCH™ Attachment Mounting System

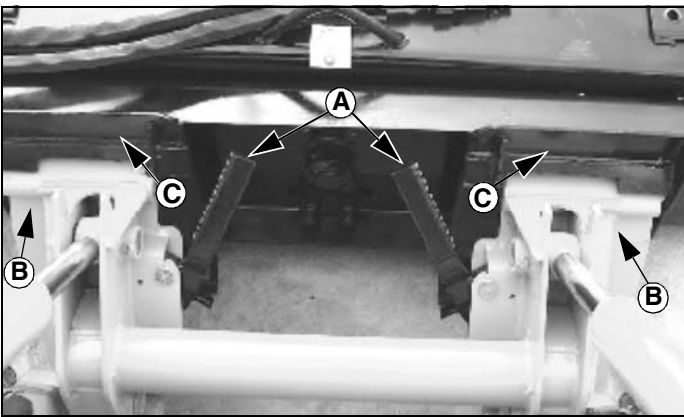


CAUTION: Avoid injury!

- **DO NOT** try to manually latch or unlatch handles from the cab.
- Be careful not to pinch hands between latch handle and step or latch handle and attachment.

Install The Vibratory Roller:

1. Stop skid steer, lower boom, engage park brake switch, stop engine, remove seat belt, and exit skid steer.



KV0234

2. Pull latch handles (A) up to the UNLATCHED position. Be sure the latch handles are all the way up so the lock pins are fully retracted.

3. Enter skid steer, fasten seat belt, start the engine, and disengage park brake switch.

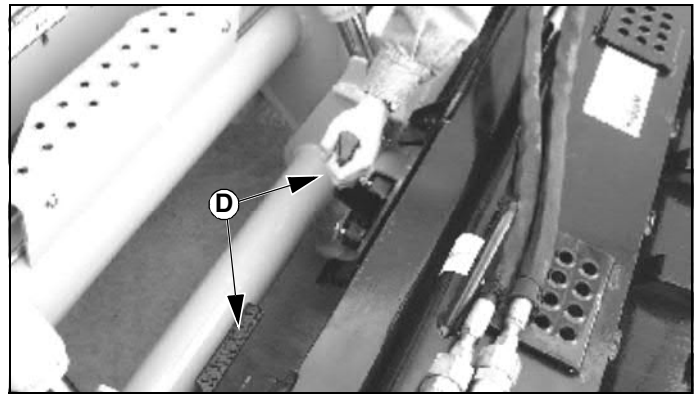
4. Tilt the QUIK-TATCH mounting plates (B) forward.

5. Drive forward, raise boom, and guide the top of the mounting plates into the vibratory roller mounting brackets (C).

6. Using the appropriate QUIK-TATCH cylinder control (SEE OPERATOR'S MANUAL), activate the QUIK-TATCH cylinders to tilt QUIK-TATCH rearward. Bottom surface of the attaching plates must be tight against the vibratory roller mounting bracket.

7. When the attachment is fully supported, lower the boom until the boom is resting on the boom stops.

8. Engage park brake switch, stop engine, remove seat belt, and exit skid steer.



KV0236

9. Push latch handles (D) downward completely to engage lock pins.

10. Enter skid steer, fasten seat belt, start engine, and disengage park brake switch.



CAUTION: Avoid injury! Injury to a bystander can occur if the attachment is not properly secured to the Quik-Tatch.

An operator must continuously be aware of all bystanders at the worksite.

11. Activate the lift cylinders to raise attachment and extend QUIK-TATCH cylinders to tilt attachment at a slight downward angle so that the bottom of the QUIK-TATCH is visible.



CAUTION: Avoid injury! Be sure pins and latch handles are secure before operating boom and bucket controls. If attachment is not securely latched, remove it and repeat the installation.

12. Visually inspect the attachment mechanism to verify that pins are fully engaged in slots on the back of the attachment.

Attaching Auxiliary Hydraulic Lines



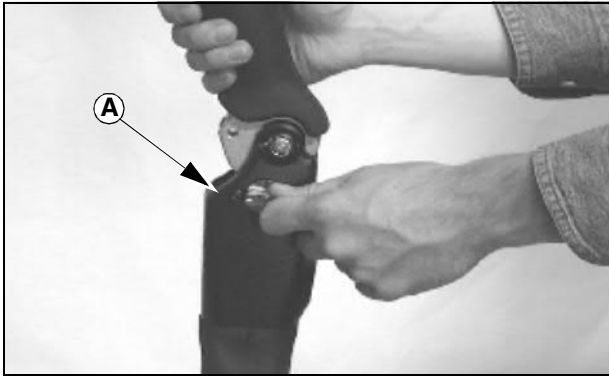
CAUTION: Avoid injury! Relieve hydraulic pressure before connecting or disconnecting auxiliary hydraulic lines.

To Relieve Hydraulic Line Pressure:

1. Sit in operator's seat. Fasten seat belt.
2. Turn key switch to the run position. Do not start engine.

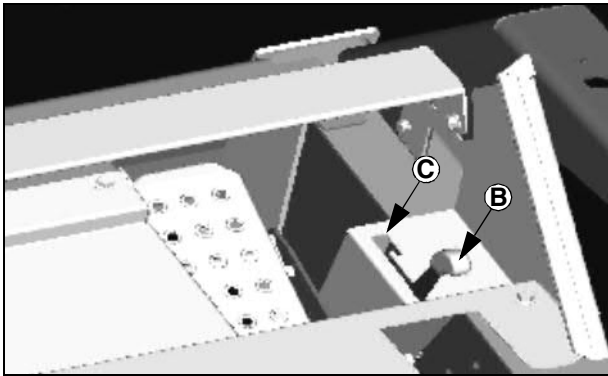
INSTALLING

3. Unlock controls from neutral position:



KV0232

- For hand/foot control skid steers, turn key (A) to the right.



KV0415

- For hand control skid steers, push the auxiliary foot pedal lockout handle (B) forward and rest in notch (C).

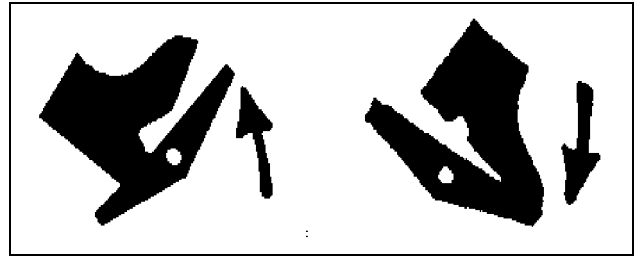
4. Actuate auxiliary control several times.

- For hand/foot control skid steers:



KV16895

- For hand control skid steers:



KV1116

To Attach Hydraulic Lines:

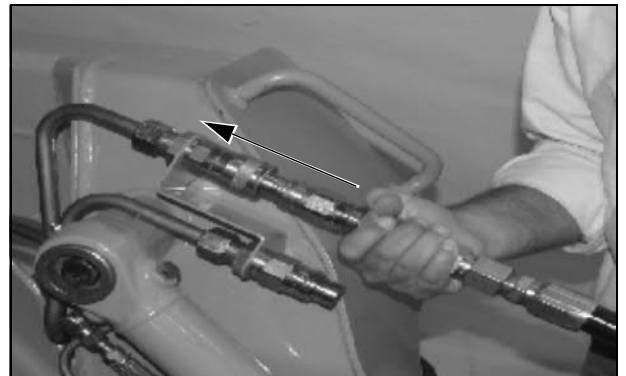
IMPORTANT: Avoid damage!

To keep hoses from being pinched, be sure hoses are routed through hose retainer (A).



KV0349

1. Connect couplers from vibratory roller to skid steer.



KV0235

2. Push couplers together with a firm continuous motion until couplers lock into place.
3. Enter skid steer, fasten seat belt, start engine, and disengage park brake switch.
4. Slowly cycle auxiliary control several times to purge system of air and check for proper hydraulic connection.

IMPORTANT: Avoid damage! Inspect all lines and hoses for freedom of movement.



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

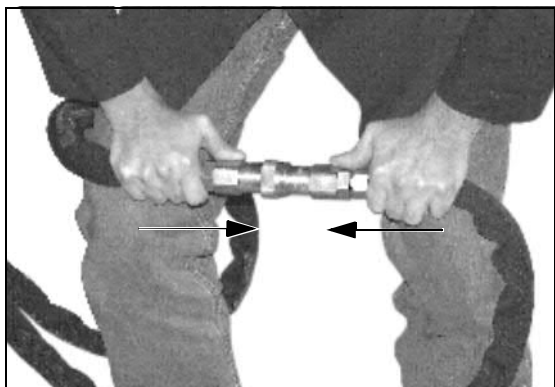
REMOVING

Detaching Vibratory Roller from Skid Steer

1. Locate vibratory roller and skid steer on firm, level ground.
2. Lower skid steer boom arms.
3. Roll bucket cylinders forward and curl back as necessary so that the vibratory roller is level with the ground.
4. Engage the park brake switch and stop the engine.
5. Relieve hydraulic line pressure by actuating the auxiliary control several times.
6. Remove seat belt and exit the skid steer.
7. Disconnect hydraulic lines from skid steer.

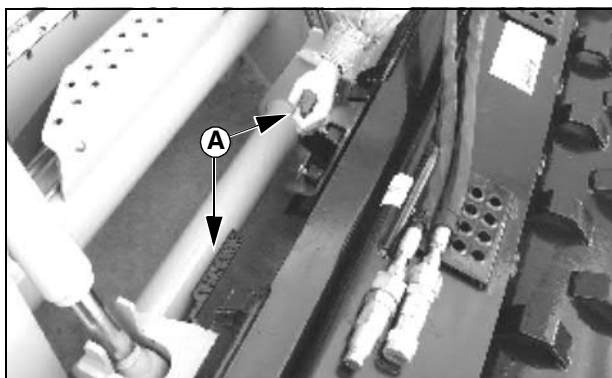
IMPORTANT: Avoid damage! Connect the two hydraulic lines from the vibratory roller to each other.

This will ensure connectors stay clean and allows hydraulic fluid to circulate due to thermal expansion.



KV0238

8. To connect the vibratory roller hydraulic lines together:
 - Hold hydraulic lines and place on your knees.
 - Align the fittings.
 - Using your arms and legs, push the hydraulic fittings together until the quick connects lock together.



KV0236

9. Lift handles (A) on QUIK-TATCH to release mounting plates from vibratory roller.

10. Enter the skid steer, fasten seat belt, start engine, and disengage park brake switch.

11. Slowly roll the bucket cylinders forward while slowly backing away from the vibratory roller.

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