

JOHN DEERE
WORLDWIDE COMMERCIAL & CONSUMER
EQUIPMENT DIVISION

Hydraulic Breaker
HB15, HB30, HB50
HB75, HB100

OMKV18662 I1

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.

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 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 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.

IMPORTANT: Avoid damage! This text is used to tell 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.



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

Hydraulic Breaker

HB15 Serial No. (KVHB15X100101 -)

HB30 Serial No. (KVHB30X100101 -)

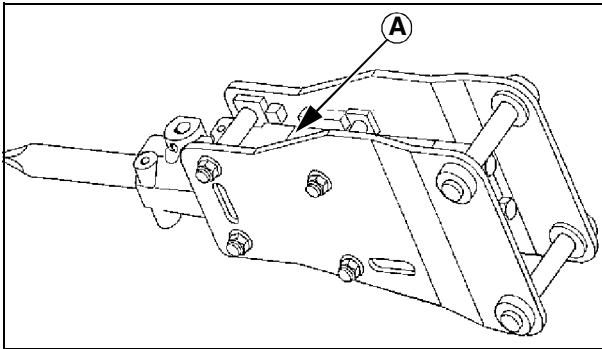
HB50 Serial No. (KVHB50X100101 -)

HB75 Serial No. (KVHB75X100101 -)

HB100 Serial No. (KVB100X400101 -)

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 hydraulic breaker and record the information in the spaces provided below.



KV16922

DATE OF PURCHASE:

DEALER NAME:

DEALER PHONE:

SERIAL NUMBER (A):

<https://www.ebooklibonline.com>

Hello dear friend!

Thank you very much for reading.

Enter the link into your browser.

The full manual is available for immediate download.

<https://www.ebooklibonline.com>

TABLE OF CONTENTS

Safety	1
Preparing Vehicle	5
Installing	6
Removing	8
Operating	9
Replacement Parts	14
Service Intervals	15
Service	16
Troubleshooting	18
Storage	19
Assembly	20
Specifications	21
Warranty	23
Index	24

All information, illustrations and specifications in this manual are based on the latest information at the time of publication. The right is reserved to make changes at any time without notice.

COPYRIGHT© 2001
Deere & Co.
John Deere Worldwide Commercial and
Consumer Equipment Division
All rights reserved
Previous Editions
COPYRIGHT© 1999

OMKV18662 I1 - English

SAFETY

Understanding The Machine Safety Labels



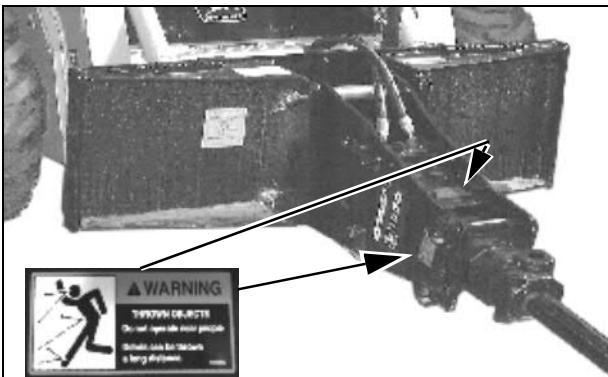
Safety-Alert Symbol

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

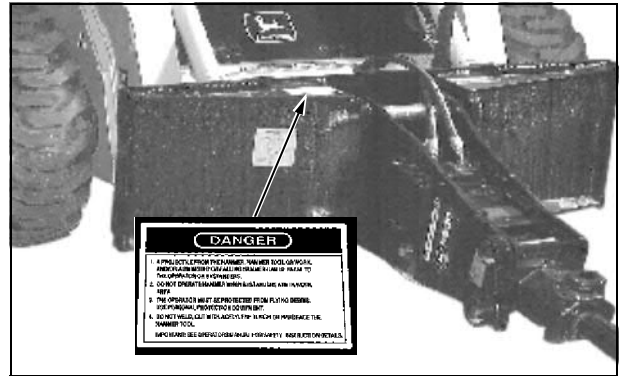
WARNING: Thrown Objects



KV16915/ KV0419

- Do not operate near people.
- Debris can be thrown a long distance.

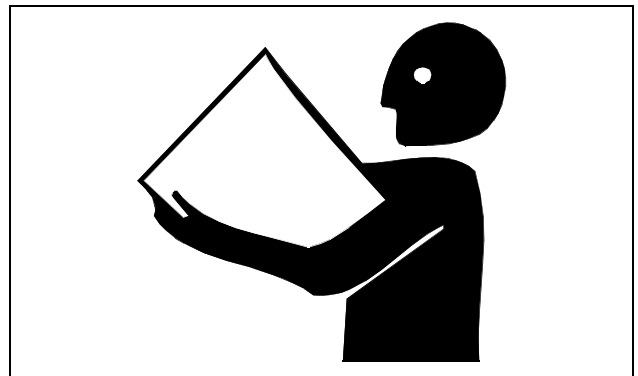
DANGER



KV16915

1. A projectile from the hammer, hammer tool, or work, and/or a swinging or falling hammer can be fatal to the operator or bystanders.
2. Do not operate hammer when bystanders are in work area.
3. The operator must be protected from flying debris. Use skid steer demolition door kit and shoulder belt kit.
4. Do not weld, cut with acetylene torch or hardface the hammer tool.

Operator Training Required



MIF

- 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 hydraulic breaker. 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 moving, stopping, turning and other operating characteristics of the machine.

SAFETY

Operating 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 hydraulic breaker unless it is properly installed on skid steer.
- Never operate breaker without demolition door and shoulder belt. Always close and secure demolition door and fasten shoulder belt before operating breaker.
- Only operate breaker from skid steer operator's seat.
- If you hit an object, stop machine and inspect it. Make repairs before you operate. Keep machine properly maintained and in good working order.
- The point of the breaker should be angled away from the operator. This pushes the broken material into the opening and protects the operator from debris thrown out by the bit.
- Never operate the breaker with the bit spring pin or set pin removed.
- Always lower boom so breaker is resting on the ground before exiting skid steer.
- 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 hydraulic breaker.
- Do not let children or an untrained person operate machine.
- Always check to the sides and rear of the skid steer before backing up.

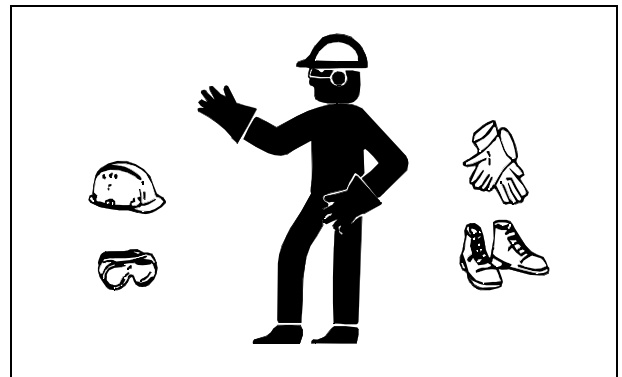
Park Safely

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.

SAFETY

Practice Safe Maintenance



M71840A

- Do not work under a raised boom unless it is resting on boom locks and attachment has been removed. Lift arms 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 switch. 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.

Avoid High Pressure Fluids

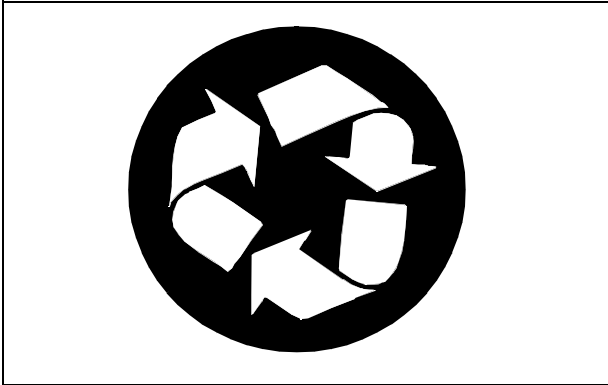


MIF

- 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.

SAFETY

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.

PREPARING VEHICLE

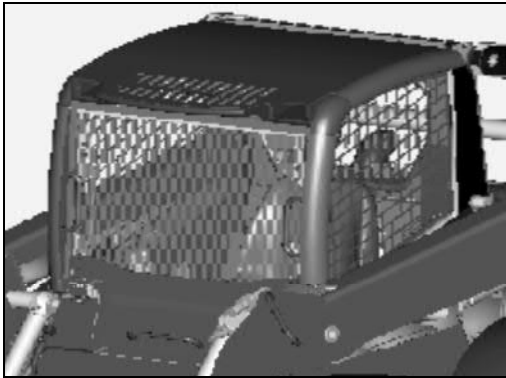
Skid Steer Equipment Requirements



CAUTION: Avoid injury!

Skid steer must be equipped with the following:

- Demolition Door Kit
- Shoulder Belt Kit



KVSM007A

The skid steer must be equipped with the Demolition Door Kit and the Shoulder Belt Kit. If your unit is not equipped with this equipment, see your authorized John Deere Skid Steer dealer.

Ballasting



KV0231

Rear ballast consist of a total of eight (8) 20 kg (44 lb) Quik-Tatch™ weights mounted behind the rear skid steer tires. Rear ballast is required for the following skid steer/breaker combinations as follows:

- Model 260 and 270 with HB100 Breaker.

Install rear weight brackets and weights using the installation instructions supplied with weight bracket kit. Ballasting kits are available at your authorized John Deere Skid Steer dealer.

INSTALLING

Using Quik-Tatch™ Attachment Mounting System

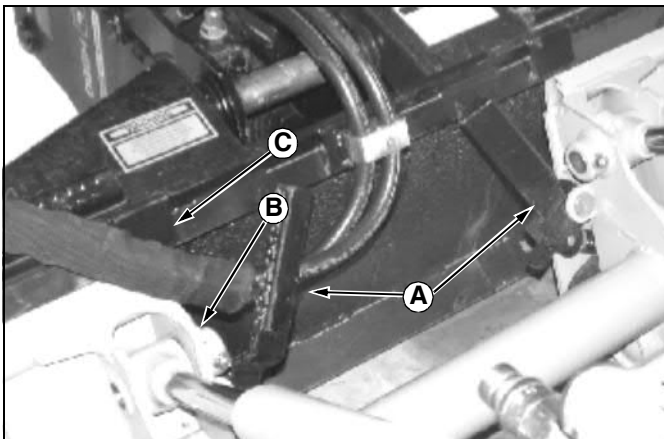


CAUTION: Avoid injury!

- **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.**

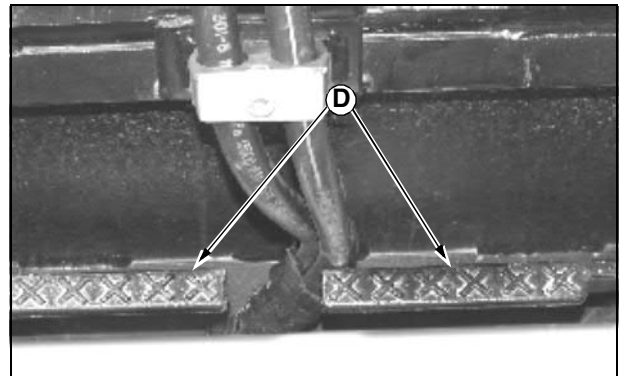
To Install Hydraulic Breaker:

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



KV16920

2. Lift the 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 the skid steer, fasten the seat belt, start the engine, and disengage the park brake switch.
4. Tilt the Quik-Tatch (B) forward.
5. Drive forward, raise boom, and guide the top of the Quik-Tatch into the attachment mounting brackets (C).
6. Raise and tilt back the Quik-Tatch. The back of the attachment should rest against the front of the Quik-Tatch.
7. When the attachment is fully supported, lower the boom until the boom is resting on the boom stops.
8. Tilt the attachment out, stopping with the bottom edge of attachment about 50 mm (2 in.) from the ground.
9. Engage the park brake switch, turn off the engine, release the seat belt, and exit the skid steer.



KV16919

10. Push the two latch handles (D) down to lock the attachment to the Quik-Tatch.

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

12. 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.

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

14. Connect hydraulic hoses.

Attaching Breaker Hydraulic Lines



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

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

To Relieve Hydraulic Line Pressure:

1. Sit in operator's seat.
2. Unlock controls from the neutral position:



Suggest:

If the above button click is invalid.

Please download this document

first, and then click the above link

to download the complete manual.

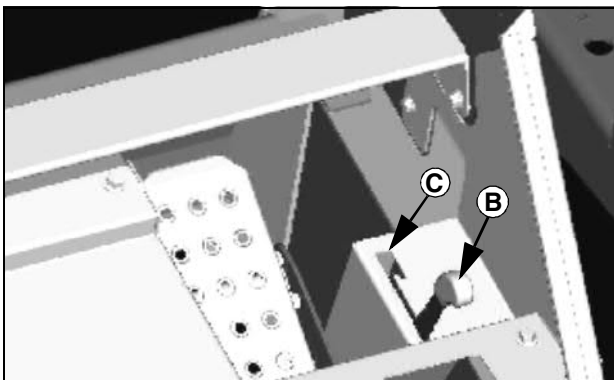
Thank you so much for reading

INSTALLING



KV15239

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



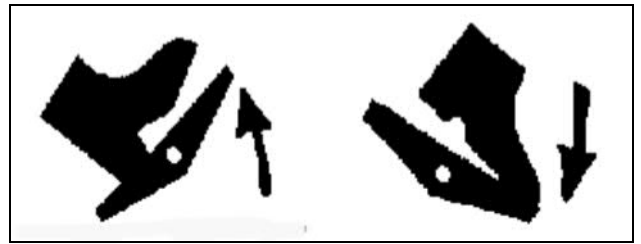
KV0415

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



KV16895

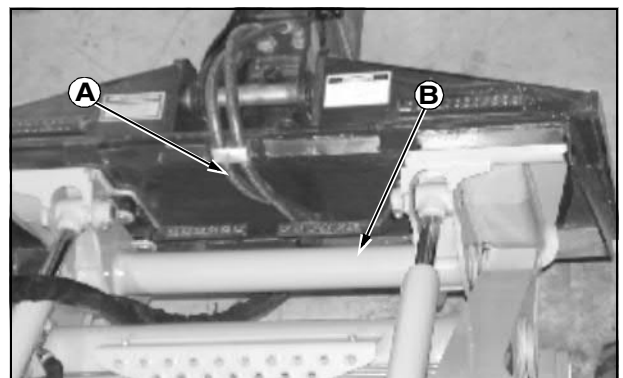
- For hand/foot control skid steers, move the handle down toward the seat, then up away from the seat several times.



KV1116

- For hand control skid steers, move the pedal down toward the floor, then back away from the floor several times.

To Attach Hydraulic Lines:



KV16916

1. Route the hydraulic hoses (A) under QUIK-TATCH cross bar (B).



KV16900

2. Install the quick-disconnect couplers together by pushing the couplers together with a firm continuous motion until couplers lock into place.

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

<https://www.ebooklibonline.com>

Hello dear friend!

Thank you very much for reading.

Enter the link into your browser.

The full manual is available for immediate download.

<https://www.ebooklibonline.com>