

JOHN DEERE JD644-B LOADERS



OPERATORS MANUAL JOHN DEERE JD644-B LOADERS

OMT68749 K9 English

**JOHN DEERE DUBUQUE WORKS
OMT68749 K9**

LITHO IN THE U.S.A. (REVISED)
ENGLISH





To the Operator

! This safety alert symbol indicates important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

To keep your loader running efficiently, read the instructions in this operator's manual.

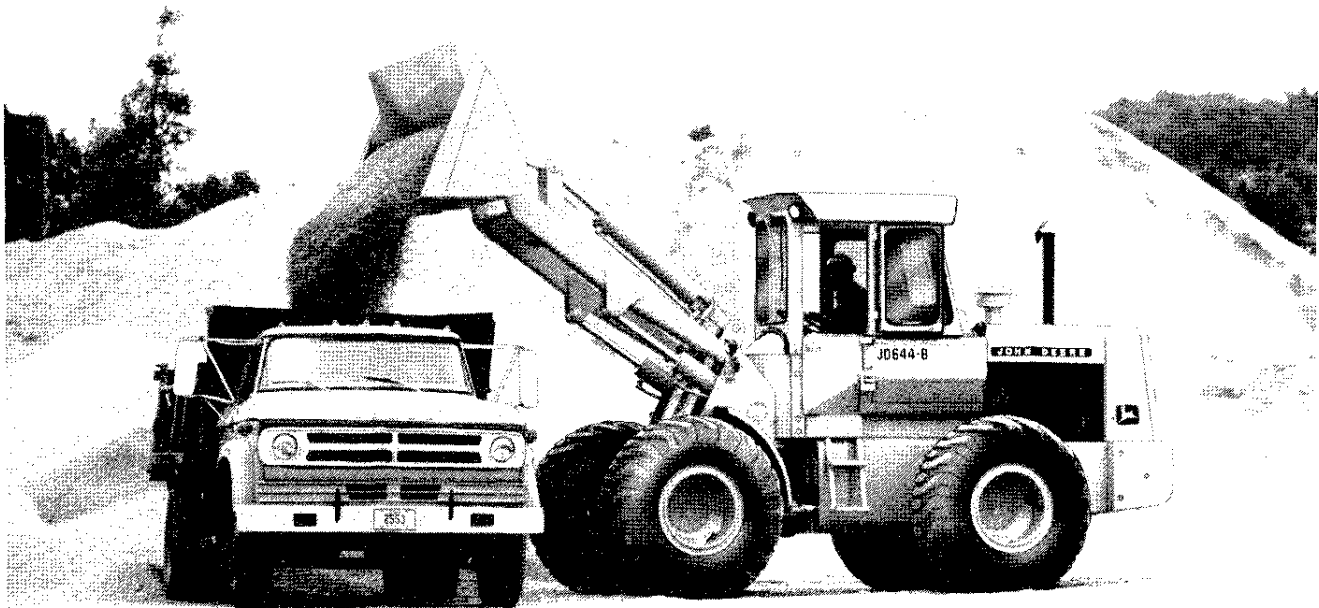
Read the Contents to learn where each section is, whether it is operation, lubrication, or service. Use the Alphabetical Index for fast reference.

Note that throughout this manual, directions left-hand and right-hand are determined by facing in the direction of loader forward travel.

Record your loader serial numbers in the spaces provided on page 62. Your dealer needs this information when you order parts.

The warranty on this loader appears on your copy of the purchase order which you received from your dealer when you purchased the loader.

Your operator's manual contains metric equivalents which follow immediately after the U.S. customary units of measure.





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Safety Rules

! Reports on accidents show that careless use of machinery causes a high percentage of accidents. You can avoid many accidents by observing the safety rules on these pages. Study these rules carefully and enforce them on the job.

Only the operator should be on the loader when it is running.

Clothing worn by the operator should be relatively tight and belted. Loose jackets, shirts, sleeves, or other items of clothing should not be permitted because of the danger of catching them in moving parts.

Keep hands, feet, and clothing away from power-driven parts.

Never attempt to start or operate the loader except from the operator's station.

Walk completely around the loader, making sure everyone and everything is clear before starting to work.

Watch bucket direction at all times. Keep your eyes on load and face or look in the direction the machine is traveling.

Do not use the steering wheel as a handhold when getting on and off the loader.

Do not allow anyone to ride in the bucket or on the outside of the machine, or hitch a ride in any other manner.

Never drive too close to the edge of a ditch or excavation.

Increase the power gradually when pulling a heavy load or when driving out of a ditch or excavation.

Always keep loader in gear when going down steep hills or grades.

The clutch control knob should always be in the engaged position.

Drive slowly over rough ground or on hillsides. Reduce speed before turning or applying brakes.

Keep loading areas as level as possible.

Never lower a loaded bucket with the control lever in the float position.

Never lift the bucket over the ground crew. Never swing the bucket over a truck cab.

Never transport a load with bucket fully raised. The nearer to the ground the bucket is held, the better the stability, especially on slopes or when turning the machine. For travel, keep the bucket about 15 inches (381 mm) off the ground and tipped back to afford maximum visibility.

Watch for overhead wires. Never touch wires with any part of the loader.

When driving, use accessory lights and devices for adequate warning to operators of other vehicles. In this regard check local governmental regulations. Lights and devices may be obtained from your John Deere dealer.

Stay clear of hinged area if engine is running or steering wheel is being moved. Even with engine off, moving steering wheel on accumulator-equipped machines may cause rapid pivot of wheels and frames.

Follow recommendations on page 17 whenever it becomes necessary to tow the loader.

Do not use the loader as a battering ram.

Do not oil, grease, or adjust the loader while it is in motion.

Never leave the machine unattended with the engine running.

Do not leave the engine running while making adjustments or repairs unless specifically recommended.

Before getting off the loader, lock the range selector in the neutral position and apply the parking brake.

Lower the bucket to the ground when the loader is unattended.

Park the loader on level ground or across the slope.

Do not allow anyone to work under a raised bucket unless it is properly supported.

Connect lock bar to both frames when working around the frame pivot area.

Do not operate the engine in a closed garage or shed.

Do not operate a loader with an unsafe condition. If one is noticed, tag the steering wheel so that other operators will also know it.

Keep hands, floors, and controls free from water, grease, and mud to insure non-slip control.

Daily remove all trash accumulation from engine and operator's compartments.

Turn the radiator cap slowly to relieve pressure before removing it. Add coolant only when the engine is idling or stopped.

Use caution in handling any type of fuel. Never refuel when the engine is hot or running. Do not smoke while filling the fuel tank or servicing the fuel system.

Before using booster batteries, read instructions on page 8. If a battery needs recharging, avoid sparks by turning off the charger before connecting or disconnecting the charger.

Mount a fire extinguisher on the loader. Be sure that the extinguisher is properly maintained and be familiar with its proper use.

Provide a first-aid kit for use in case of an accident. Use the proper antiseptics on scratches, cuts, and other injuries immediately.

Escaping fluid under pressure can have sufficient force to penetrate the skin, causing serious personal injury. Before disconnecting lines, be sure to relieve all pressure. Before applying pressure to the system, be sure all connections are tight and that lines, pipes and hoses are not damaged. Fluid escaping from a very small hole can be almost invisible. Use a piece of cardboard or wood, rather than hands, to search for suspected leaks.

If injured by escaping fluid, see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.

Always disconnect the battery ground strap before making adjustments on the engine, or electrical equipment and before welding on any part of the unit. This will prevent dangerous sparks which create a fire hazard and may cause harm or damage. Disconnecting the battery also prevents accidental operation of the starter or engine.

When driving connecting pins in or out, use care to guard against injury from particles that may chip off the pin or object used in striking the pin. Protect eyes with safety glasses.

Failure to follow proper procedure when mounting a tire on a wheel or rim can produce an explosion which may result in serious bodily injury. DO NOT attempt to

mount a tire unless you have the proper equipment and experience to perform the job safely. Have it done by your John Deere dealer or a qualified tire repair service.

Detailed tire mounting instructions, including necessary safety precautions, are contained in John Deere Fundamentals of Service (FOS) Manual 55B, Tires and Tracks, available from your John Deere dealer.

Be sure all tire rim parts are correctly assembled and interlocking before inflating tires. Use an inflation cage, safety cables, or some other device during inflation.

FIRE PREVENTION MAINTENANCE

Fire prevention is a primary responsibility of the owner and operator. You are the only ones that can make sure machines are cleaned daily and that preventive maintenance programs include inspection, repair and replacement of worn components.

Following is a list of fire prevention maintenance guidelines that, if followed, will reduce fire hazards you may encounter with your machine.

Service the machine so that an operator will be on hand during the critical period of possible fire ignition from heat buildup after engine shutdown.

Check daily for properly charged extinguishers. Maintain charged fire extinguishers. Once extinguisher is operated, no matter for how long, it must be recharged.

Direct extinguisher nozzle at base of flame.

Remove trash from engine compartment daily. Clean around exhaust manifold and turbocharger.

Clean bottom guards (belly pans) under engine and also sides of engine block.

Make sure all engine guards and screens are kept in place during operation to reduce entry of trash.

Remove trash from remaining bottom guards, around drive lines, and parking brake disks daily.

Clean radiator area as frequently as necessary to maintain cooling efficiency.

Check fuel and hydraulic oil lines daily for leaks. Tighten loose fittings and replace faulty lines promptly to prevent collection of flammable fuel and oil in the machine.

Clean battery terminals and remove debris and dirt from top of battery every week.

Check parking brake adjustment weekly, as overheated brakes can be a fire hazard.

Check wiring regularly. Repair or replace worn or frayed insulation.

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