

100 STACK MOVER



JOHN DEERE

OPERATORS MANUAL

100 STACK MOVER

OMN159396 E5 English

OMN159396 E5


LITHO IN THE U.S.A.
ENGLISH





To the Purchaser

This stack mover was carefully designed and manufactured to give years of dependable service. To keep it running efficiently, read the instructions in the operator's manual. Each section is clearly identified so you can easily find the information you need. Read the Table of Contents to learn where each section is located.

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

"Right-hand" and "left-hand" sides are determined by facing in the direction the stack mover will travel when in field use.

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

Record your stack mover serial number in the space provided on page 16. Your dealer needs this information to give you prompt, efficient service when you order parts. If your stack mover requires replacement parts, go to your John Deere dealer.

The warranty on this stack mover appears on your copy of the purchase order which you should have received from your dealer when you purchased the stack mover.



JOHN DEERE 100 STACK MOVER

PREDELIVERY CHECK LIST

After the stack mover has been completely assembled and lubricated, inspect it thoroughly to be certain it is in good running order before delivering it to the customer. The following check list is a reminder of points to inspect. Check off each item as it is found satisfactory or after proper adjustment is made.

- Check all bolts and nuts to be sure they are tight.
- Check all wheel hub bolts to be sure they are tight.
- Check all bearing grease seals for leakage.
- Inflate tires to 35 psi (2.41 bar).

.....
(Date)

.....
(Signed)

OWNER REGISTER

Name

Post Office

County State

Date Purchased

DELIVERY CHECK LIST

- Explain the adjustments for implement operation.
- Describe the safety features of the stack mover and safe operation.
- Explain the importance of proper lubrication.
- Give the customer the operator's manual and point out that all the things discussed so far are explained and illustrated in the manual in detail plus a lot of other valuable information.
- Explain to the customer that when the stack mover is transported on a road or highway at night or during the day, accessory lights and devices should be used for adequate warning to operators of other vehicles. In this regard, tell customer to check local governmental regulations.

Invite the customer to come in and discuss any problems encountered while operating the stack mover.

.....
(Date)

.....
(Signed)

AFTER-SALE CHECK LIST

The following is a suggested list of items to be checked at a dealer-customer mutually agreeable time during the first using season:

- Check with the customer to ascertain if the recommended periodic lubrication has been performed.
- Check with the customer as to the performance of the stack mover.
- Acquaint the customer with any special attachment which will help him do a better job.

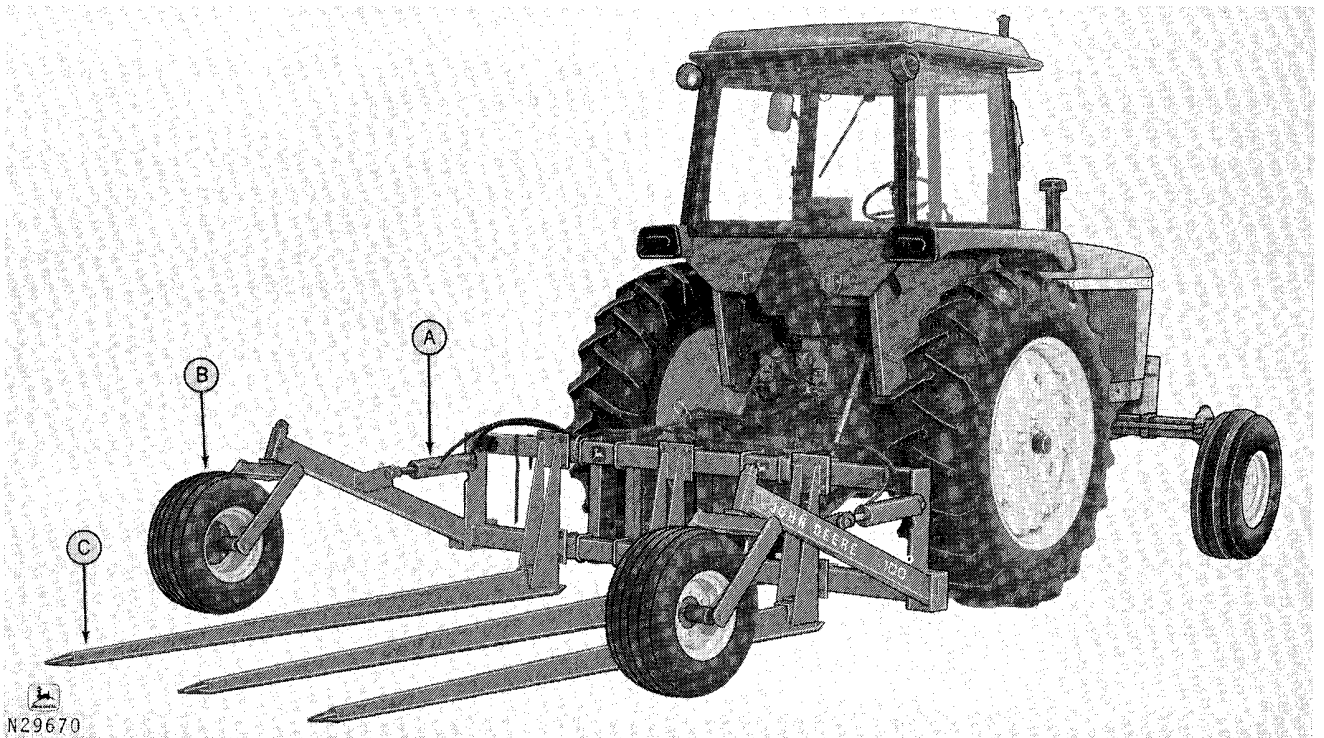
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(Date)

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N29670

A—Hydraulic Lift Cylinder

B—Caster Wheel

C—Tine

John Deere 100 Stack Mover



Safety Suggestions

⚠ The safety of the operator was one of the prime considerations in the design of this stack mover.

You can avoid many accidents by observing the safety rules given below. Insist that they be followed by those working with you and for you.

Only the person, the operator, should be allowed on the tractor when tractor and stack mover are in operation.

Drive at speeds slow enough to insure your safety. Reduce speed before turning quickly or applying brakes. Drive slowly over hills and rough ground to avoid tractor tipping over.

Be sure the three-point hitch rockshaft control lever on tractor is in the fully lowered position when transporting a stack. Failing to keep three-point hitch in the fully lowered position could cause front tractor tires to raise off ground resulting in a loss of steering control. Also see "WARNING" decal on stack mover main frame.

Provide sufficient weighting to stabilize front end of tractor when operating on hilly land or rough terrain. Refer to page 4 for tractor ballast information.

When transporting the stack mover on a road or highway at night or during the day, use accessory lights and devices for adequate warning to operators of other vehicles. In this regard, check local governmental regulations. Various safety lights and devices are available from your John Deere dealer.

When transporting on a public road, keep as far to the right as possible. Be sure the right-hand stack mover wheel remains on the road and does not drop off the shoulder. Transport at a slow speed (10 mph [16.1 kph] or less.)

Be sure tractor is equipped with an SMV emblem when transporting stack mover. Keep this emblem clean.

Be sure SMV spike with emblem is in place before transporting stack on road or highway.

Before operating the stack mover, be sure no one is near any moving parts.

Never leave a stack on the stack mover for extended periods of time.

Escaping hydraulic fluid can have sufficient force to penetrate the skin, causing serious bodily injury. Before disconnecting hoses be sure to relieve all pressure. Before applying pressure to the hydraulic system, be sure all connections are tight and that hoses are not damaged.

Hydraulic 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 hydraulic fluid see a doctor at once. Serious infection or reaction can develop if proper medical treatment is not administered immediately.



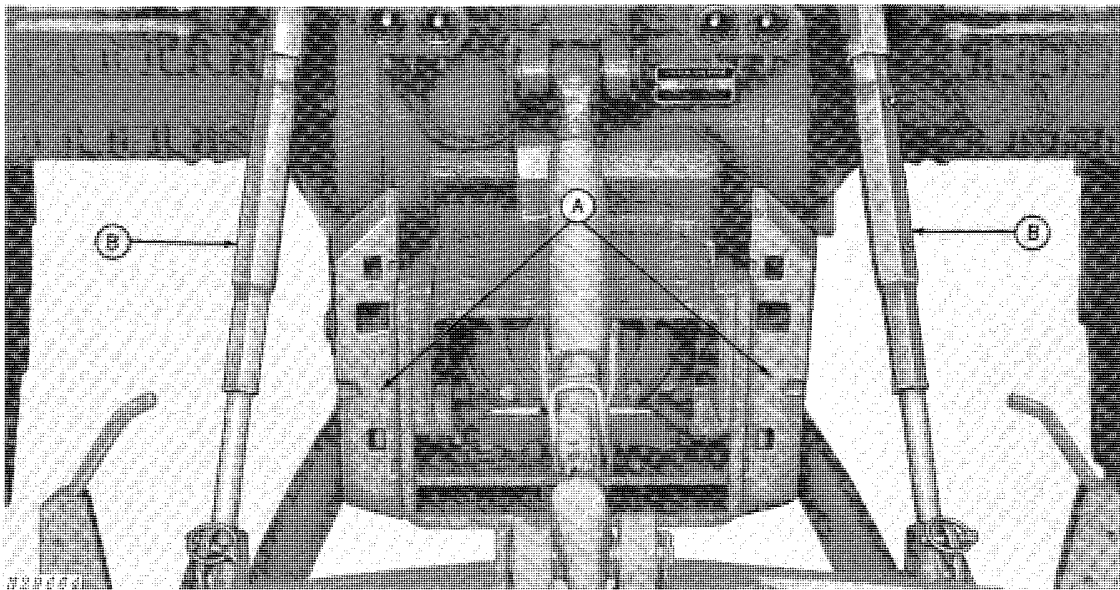
Operation

GENERAL DESCRIPTION

The John Deere 100 Stack Mover is designed for fast loading and unloading of hay or stoverstacks and easy transporting. The 100 Stack Mover is ideally suited for stacks made by the John Deere 100 Stack Wagon. It adapts well, however, to small stacks made by a variety of other small stack wagons. It is semi-integrally mounted with two 3 x 8-inch (7.6 x 20.3 cm) hydraulic cylinders which lift the stack for transport. The John Deere 100 Stack Mover utilizes three adjustable tines that can be positioned for best stack handling.

The minimum tractor horsepower requirement is 60 hp (44.7 kW). The tractor must be equipped with a category II or III three-point hitch and one remote hydraulic cylinder outlet. A quick-coupler can be used with three-point hitch.

PREPARING THE TRACTOR



A—Sway Blocks In Down (Wide) Position

B—Lift Links

Adjust wheel spacing for maximum stability, as shown in the tractor operator's manual.

Check front and rear tires on the tractor to be sure they have been inflated according to the recommendations in the tractor operator's manual.

The sway blocks on your tractor must be placed in the down and wide position as shown to eliminate implement side sway, whether in working position or in transport position. Refer to tractor operator's manual for sway block adjustment.

CAUTION: Failing to place sway blocks in the down and wide position will cause the stack mover and the stack to sway.

Be sure lift links are adjusted evenly to insure level operation of the stack mover. It may be necessary to adjust lift link length to connect three-point hitch to stack mover. See your tractor operator's manual for complete tractor operating and adjusting instructions.

TRACTOR BALLAST

Tractor front end stability is necessary for safe and efficient operation. Therefore, it is important that the proper amount of weight be installed on the front of the tractor, see your tractor operator's manual.

TRACTOR (JOHN DEERE)	RECOMMENDED FRONT END BALLAST
4030	Weight Code - 174
4230	Weight Code - 174
4430	Weight Code - 185
4630	Weight Code - 199

Use maximum front tractor ballast on tractors smaller than 4030.

The weight codes shown above correspond with Implement (Weight) Code Numbers listed in your

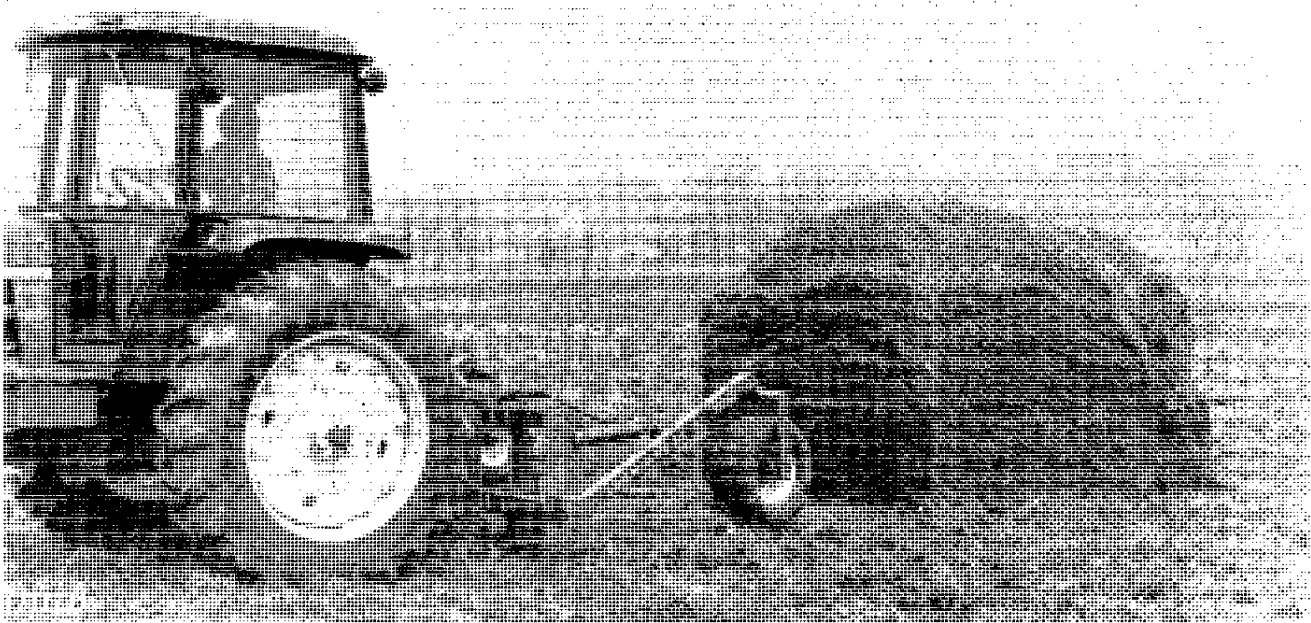
John Deere tractor operator's manual.

The implement Code Number establishes the type and number of weights to use with John Deere tractors. Determine the Implement Code Number applicable to your tractor and install front end weight as recommended by your tractor operator's manual.

CAUTION: Ballast recommendations provide for adequate transport stability at recommended speeds. Additional front ballast may be required for satisfactory field operation due to sudden or extreme forces on the tractor three-point hitch, such as may occur when turning or during field transport over very rough ground.

Add rear wheel weights or liquid ballast to the tractor as recommended in the tractor operator's manual.

LOADING STACK



Back the stack mover under the stack as shown above. Be sure the stack is centered on the mover. The speed at which you back up varies with the weight and condition of the stack. Very light stacks may require more rapid backing to prevent stack from sliding rearward.

NOTE: Generally, stacks load better if you

back under the end that was unloaded (from stack wagon) first and base of tines are held slightly above ground with three-point hitch.

IMPORTANT: If the stack is frozen to the ground (or if you think it could be) back slowly under stack to prevent damage to tines.

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complete manual.



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