

# 100 STACK WAGON



## OPERATORS MANUAL

### 100 STACK WAGON

OMN159455 J7    English

**OMN159455 J7**

LITHO IN THE U.S.A.  
ENGLISH





## To the Purchaser

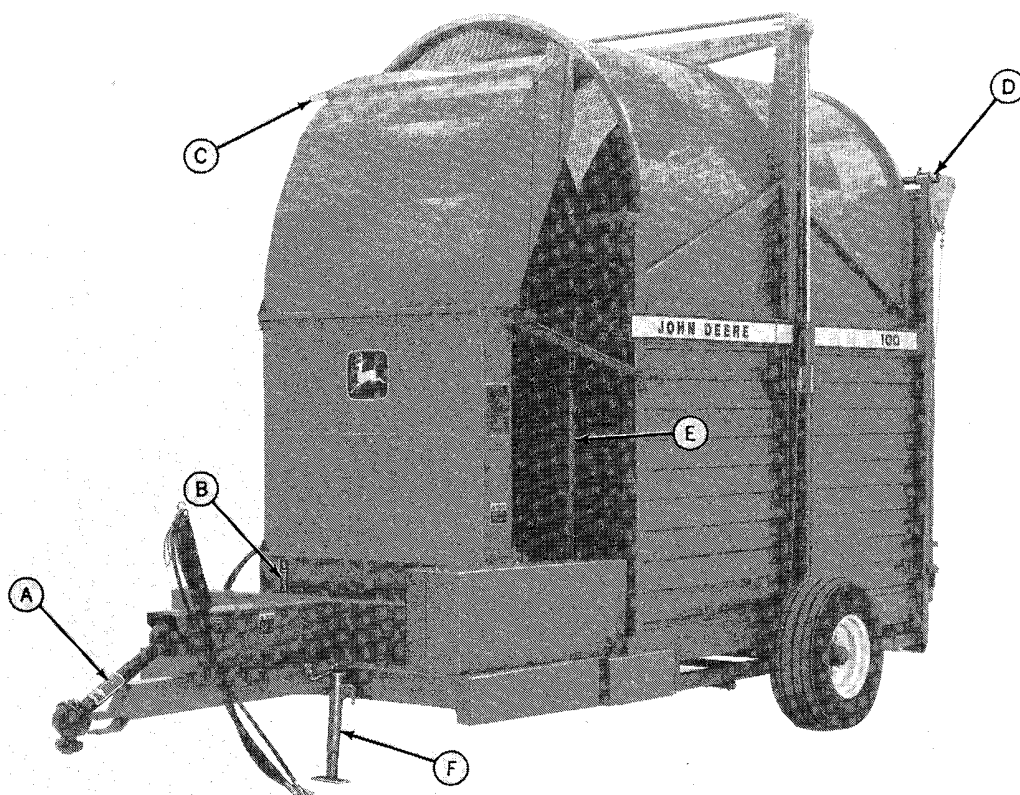
**!** This safety alert symbol identifies important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

“Right-hand” and “Left-hand” sides are determined by facing in the direction the stack wagon will travel when in use.

Record your model and serial number on page 32.

Your warranty appears on your copy of the purchase order copy which you should have received from your dealer.

Measurements are shown with their respective Metric equivalents in parenthesis throughout this operator's manual. These equivalents are the SI (International System) Units of measure.



N33227

A—Powershaft  
b—Pickup Position Decal

C—Deflector Indicator  
D—Rear Door Pivot

E—Balance Spring  
F—Jack Stand



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# Safety Suggestions

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Make your farm a safer place to live and work by following these safety suggestions.

Do not allow anyone to ride on the stack wagon when it is in motion.

Keep safety shields in place when operating the stack wagon.

The stack wagon is a large heavy machine. Become familiar with its size, especially when operating around overhead obstructions.

Always throttle the engine down before shutting the engine off. Place gear selector lever in "park", and disengage the PTO when leaving the tractor.

When engaging or disengaging the PTO, always reduce the engine rpm first.

Reduce speed over rough terrain before turning or applying the brakes. Apply both tractor brakes evenly when making emergency stops. Drive at speeds slow enough to insure your safety.

Wear relatively tight and belted clothing. Loose clothing may catch on some part of the machine and cause an injury.

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.

Lower the pickup when the stack wagon is not in use. Block the pickup and lower canopy when working under the stack wagon when the pickup is raised.

When working on or under the pickup, install the lock pin in the safety position.

Prolonged exposure to loud noise can cause impairment or loss of hearing.

Hearing protective devices (such as ear muffs or plugs) can effectively protect against loud noises.

When you are exposed to noise which is objectionable or uncomfortable, wear a suitable hearing protective device.

Always block the wheels and use a safety support if wheels are removed, or when working on, under, or around the stack wagon.

Make certain no one is near the rear door when opening it.

Never leave the rear door in an unlatched or open position without carefully blocking or propping it.

Always shut off the tractor engine and remove key before lubricating, adjusting, or refueling.

Do not smoke or use a light with an open flame when refueling any engine.

Do not transport the stack wagon with the canopy raised.

When transporting the stack wagon on a road or highway, 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.

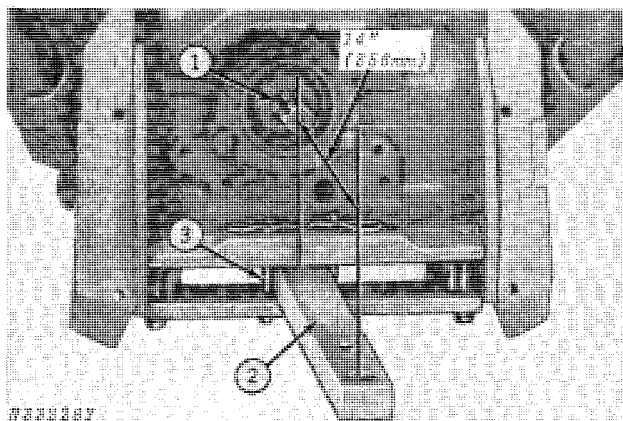
Shift the tractor into a lower gear when transporting down hills or steep slopes.

Make sure that your tractor has the required front end ballast as prescribed in your tractor operator's manual.



# Preparing For Use

## PREPARING TRACTOR



1. Remove PTO guard and store it on guard retainer.



**CAUTION:** Always install PTO guard on PTO shaft when PTO is not being used.

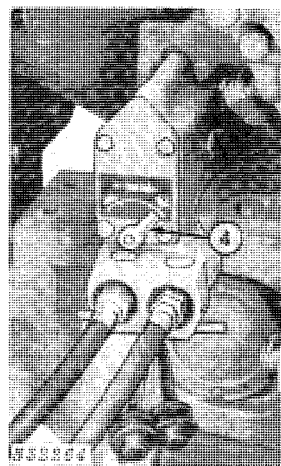
**IMPORTANT:** The stack wagon is shipped from the factory equipped for 540 - rpm PTO operation **ONLY**.

2. Position end hole in drawbar 14 inches (356 mm) from end of PTO shaft.

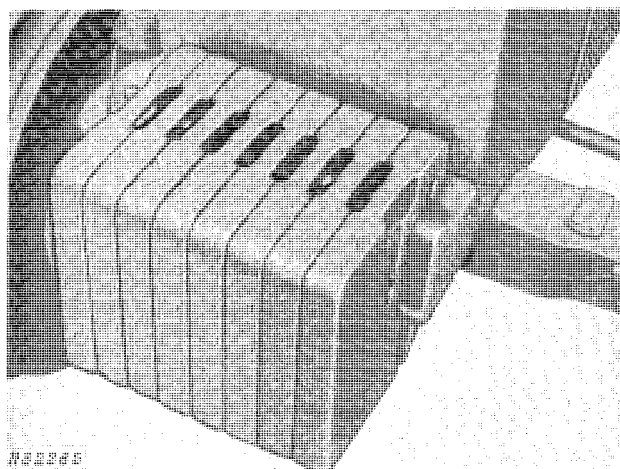
**IMPORTANT:** If offset drawbar, offset should always be down.

**IMPORTANT:** If equipped with drawbar clevis, remove it.

3. Lock drawbar in place with locking pins.



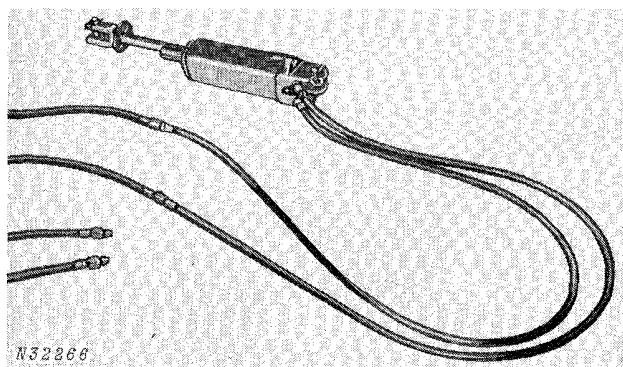
4. Turn metering valves to fast position.



5. Install sufficient front end ballast to stabilize tractor when operating on rough terrain. See your tractor operator's manual.

#### 4 Preparing For Use

##### PREPARING TRACTOR—Continued

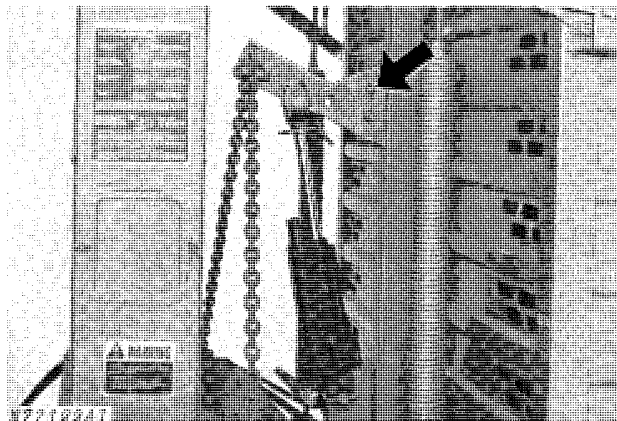


6. Prepare the hydraulic cylinder. The pickup lift mechanism requires one single or double acting 8-inch (203 mm) stroke cylinder with two 90 degree fittings and two 220-inch (5 590 mm) hoses (AN 130328).

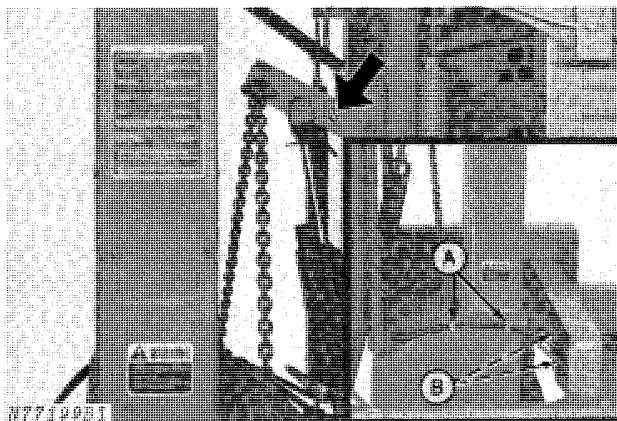
**NOTE:** Tractor hydraulic oil flow **MUST BE** at least 12 gpm (45.6 l) to obtain a minimum compression time of 15 seconds.

7. (Not Shown) Secure lift links and center link so they do not swing into tractor tires or hoses. The center link can be held vertical with its retaining clip.

##### PREPARING STACK WAGON



*Field Position*



**A—Clamps**

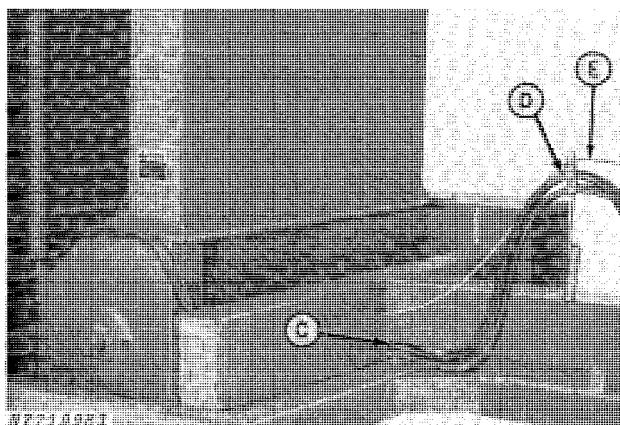
**B—Straps**

*Transport Position*

1. Install pickup lift cylinder as shown above.

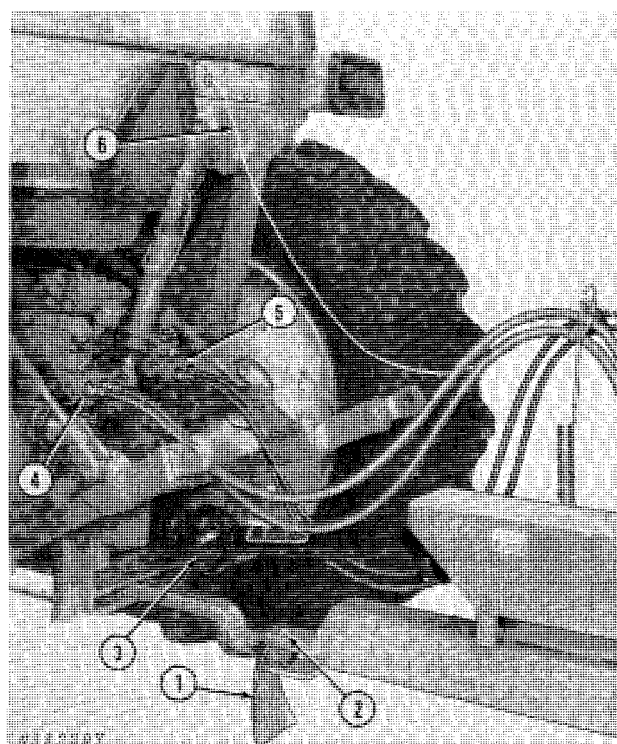
2. Attach hoses to right-hand side of pickup with hose clamps (A) and strap them to the cross tube with clamps or straps (B) at two places.

**IMPORTANT:** Move lock pin (bold arrow) from transport position to field position **BEFORE** actuating lift cylinder.



C—Lift Cylinder Hoses D—Hose Clamp E—Control Rope

3. Pull lift cylinder hoses (C) under cross drive shield and attach to hose clamp (D), with compression cylinder hoses and control rope (E). Leave enough slack in hoses to allow for vertical movement of the pickup, but avoid loops which might hang down and catch on crop.



1. Install rubber hitch shield on drawbar.
2. Back tractor to align holes, then install hitch pin and nut.

3. Attach powershaft to tractor PTO.

**CAUTION:** If master shield is removed for ease in attaching powershaft, make sure to replace it after powershaft is attached.

4. Connect the pickup lift cylinder hoses into the left-hand tractor outlet so the pickup lowers when the lever is pushed forward.

5. Connect the compression cylinder hoses into the right-hand tractor outlet so the canopy lowers when the lever is pushed forward.

6. Thread the trip rope through rope guide in cab (if equipped) or secure it at a convenient location near the operator. Allow sufficient slack for turning.

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