



# 610 AND 810 FINISHING HARROWS



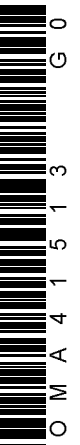
JOHN DEERE

## OPERATORS MANUAL 610 AND 810 FINISHING HARROWS

OMA41513 G0 English

**PLOW & PLANTER WORKS  
OMA41513 G0**

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ENGLISH



## INTRODUCTION



**This safety alert symbol identifies important safety measures 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 harrow will travel.

Record the model and serial number of your harrow on page 40.

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

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

# JOHN DEERE 610 AND 810 FINISHING HARROWS

After the finishing harrow has been completely assembled and lubricated, inspect it thoroughly to be certain it is functioning properly 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.

The John Deere Delivery Receipt, when properly filled out and signed by the dealer and customer, verifies that the predelivery and delivery services were satisfactorily performed. When delivering this machine, give the customer a copy of the delivery receipt and the operator's manual. Explain their purpose.

Be certain to retain your copy of the packing list for shipping bundle information.

## PREDELIVERY CHECK LIST

- Check all bolts and nuts to be sure they are tight.
- Pack all wheel bearings.
- Inflate 9.50 - 14 tires to (165 kPa) (1.65 bar) 24 psi of air pressure.
- Inflate 9.50 - 18 tires (gauge wheel) to (207 kPa) (2.7 bar) 30 psi of air pressure.
- Paint all parts scratched in shipment.
- This finishing harrow has been checked and, to the best of my knowledge, is ready for delivery to the customer.

\_\_\_\_\_  
(Date Set-Up)

\_\_\_\_\_  
(Signature of Set-Up Person)

## OWNER REGISTER

Name \_\_\_\_\_

Post Office \_\_\_\_\_

County \_\_\_\_\_ State \_\_\_\_\_

Model \_\_\_\_\_

Serial No. \_\_\_\_\_

Date Sold \_\_\_\_\_

## DELIVERY CHECK LIST

The following check list is a reminder of very important information which should be conveyed directly to the customer at the time the harrow is delivered. Check off each item as it is fully explained to the customer.

- Advise the customer that the life expectancy of this or any other machine is dependent on regular maintenance including lubrication and bolt torque.
- Tell the customer all about safety precautions that must be observed while using this harrow.
- When the harrow 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 the customer to check local governmental regulations.
- Give the operator's manual to the customer and explain all operating adjustments.
- To the best of my knowledge, this machine has been delivered ready for field use and the customer has been fully informed as to proper care and operation.

\_\_\_\_\_  
(Date Delivered)

\_\_\_\_\_  
(Signature of Delivery Person)

CUT HERE



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# Safety

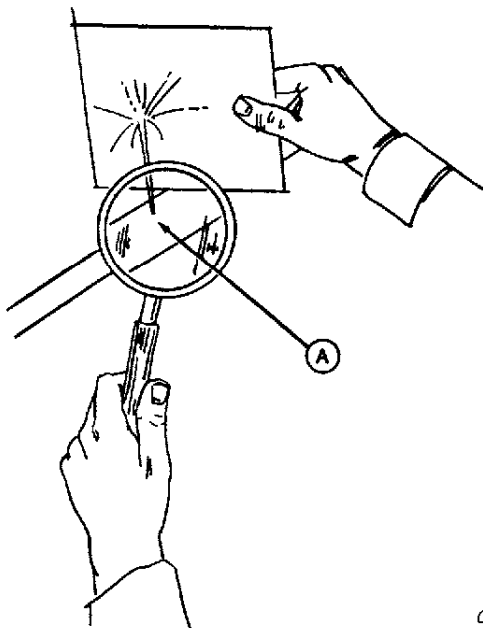
2-3

## Transport Safely

Never allow anyone to ride on the tractor, tractor drawbar or implement hitch.

Use a tractor large enough to maintain control.

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



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## Avoid High Pressure Hydraulic Oil Leaks

Escaping hydraulic oil under pressure can have sufficient force to penetrate the skin, causing serious 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.

Hydraulic oil escaping from a very small hole can be almost invisible. Use a piece of cardboard or wood, rather than your hands, to search for suspected leaks.

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

A—Pin Hole Leak

## Avoid Contact With Moving Parts

Always lower harrow to ground, shut off tractor engine, remove ignition key, and operate remote cylinder operating lever to release hydraulic pressure before adjusting, lubricating, or cleaning.

Always keep hands, feet, and clothing away from hydraulically-operated parts.

Before operating the harrow, be sure no one is near any moving parts and the area is clear.

**Operate the Harrow Safely**

Be careful when operating the harrow to avoid injury.

Never ride or permit others to ride on the drawbar of the tractor or on the harrow.

Park or block the harrow so it will not roll when disconnected from the tractor drawbar.

When leaving the tractor and harrow, install transport bars or lower the harrow to the ground.

Only one person — the operator — should be permitted on the tractor platform while tractor and harrow are in operation.

Be careful when operating on hillsides because the tractor may tip sideways if it strikes a hole, ditch or other irregularity.

**Lubricate the Harrow Safely**

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

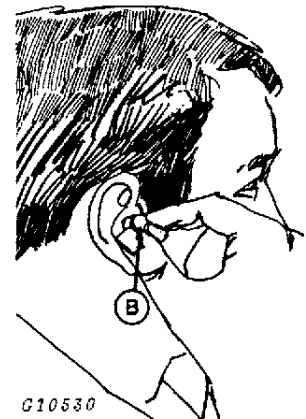
**Dispose of Spray Cans Safely**

If spray can paint is used for protecting harrow to be put in storage, be careful when discarding empty can. Do not incinerate or puncture can.

**Protect Against Noise**

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

Wear a suitable hearing protective device such as earmuffs (A) or earplugs (B) to protect against objectionable or uncomfortable loud noises.



A—Earmuffs  
B—Earplugs

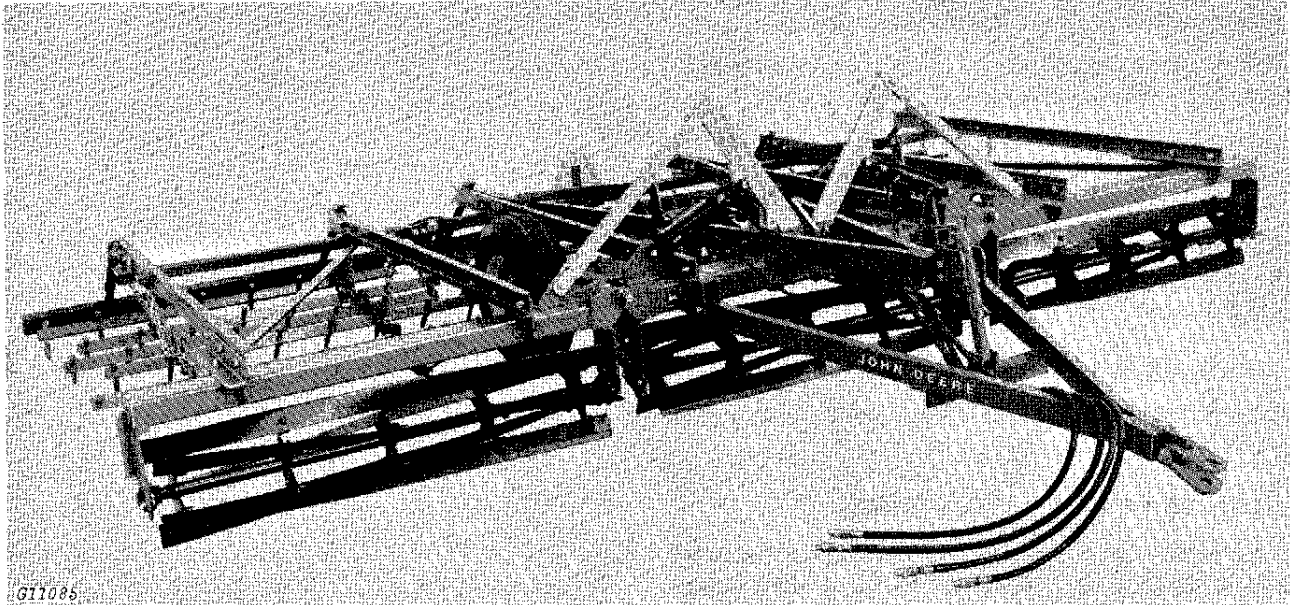
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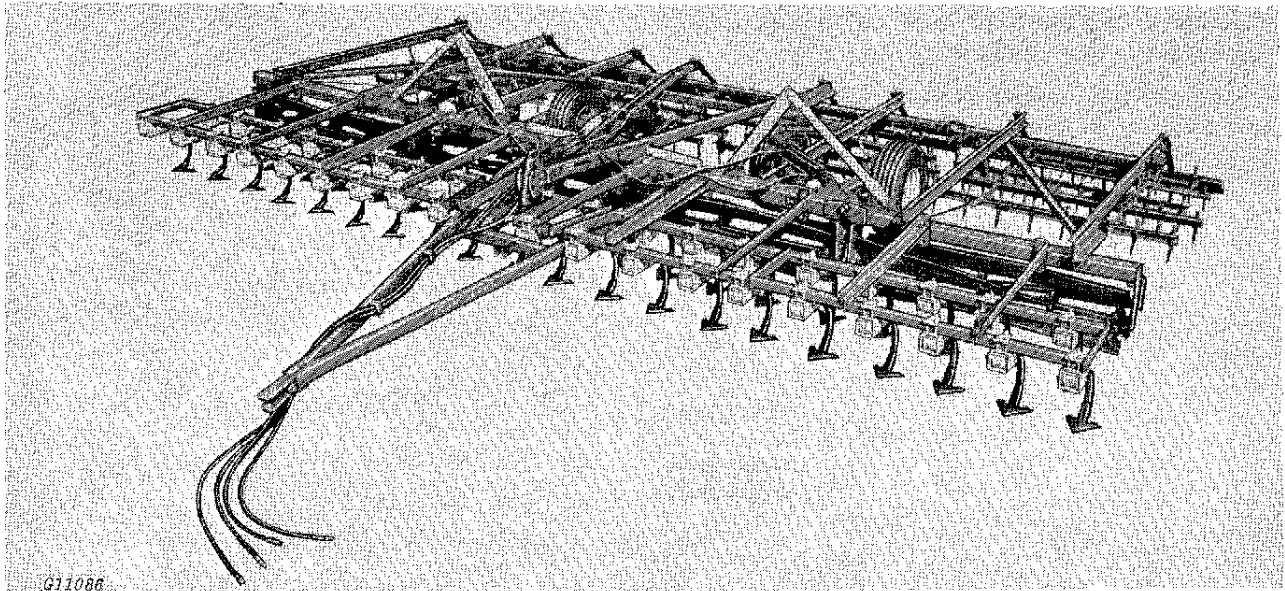


# Identification

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*610 Finishing Harrow*



*810 Finishing Harrow with Spring Tooth Attachment*



# Preparing For Use

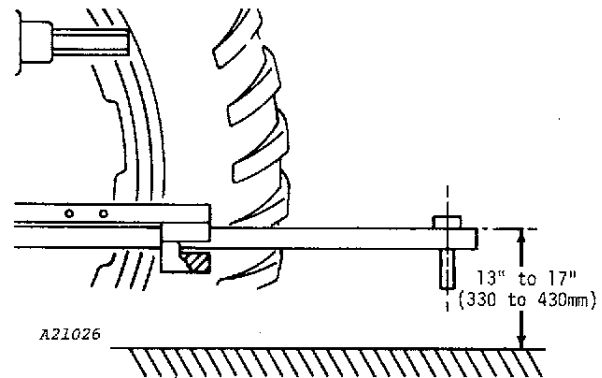
## PREPARING THE TRACTOR

### General

For complete tractor operating instructions, refer to your tractor operator's manual.

### Drawbar

Lock swinging tractor drawbar in a fixed position. Adjust the drawbar so that it is 13 to 17 inches (330 mm to 430 mm) from the ground.



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### Ballast, Wheel Spacing and Tire Inflation

To insure proper stability, adjust ballast, wheel spacing and tire inflation according to your tractor operator's manual.

### Rockshaft Selector Lever

Set the tractor rockshaft selector lever in the "zero", "D", or "MIN" position, depending upon your model tractor.

### Rockshaft Operating Lever Height Stop (4040, 4240 and 4440 Tractors)

If the tractor rockshaft is accidentally lowered with a Quik-Coupler hitch on the tractor, damage can occur to the harrow hitch when turning the tractor.

To prevent accidentally lowering the rockshaft while operating the harrow, install AR60331 rockshaft height stop. Installation instructions are provided.

### Hydraulic Oil Level

*NOTE: Tractor must be level and engine stopped.*

Check hydraulic oil level. If necessary fill to proper level.



## PREPARING THE FINISHING HARROW

### **Tire Inflation**

Inflate 9.50 - 14 tires to (165 kPa) (1.65 bar) 24 psi of air pressure.

Inflate 9.50 - 18 tires to (270 kPa) (2.7 bar) 30 psi of air pressure.

### **Lubrication**

Refer to page 20.

### **Hardware**

Be certain all cap screws and nuts are tight and all pins and cotter pins are in place. See torque chart, page 24.

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