

230 Auger Platform 30, 35, 60 and 65 Hay Conditioners



OPERATORS MANUAL

**230 Auger Platform 30, 35, 60 and 65
Hay Conditioners**

OME66106 Issue I9 English

**Ottumwa Works
OME66106 Issue I9**

LITHO IN U.S.A.
ENGLISH



INTRODUCTION



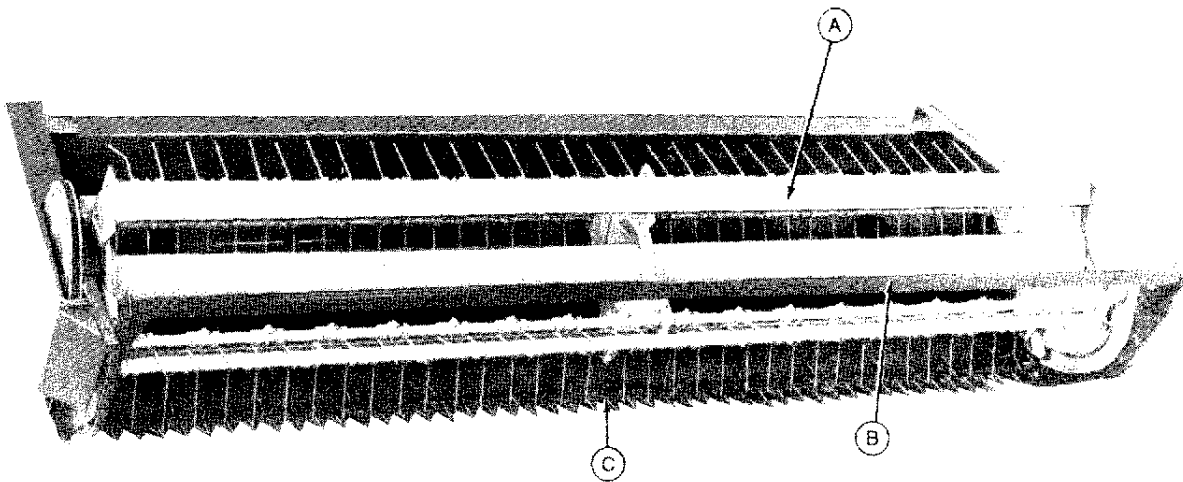
This safety alert symbol identifies important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

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

Record your platform model and serial numbers on page 47.

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 throughout this operator's manual. These equivalents are the SI (International System) Units of Measure.



A—Multi-Bat Reel

B—Knockdown Bar

C—Cutterbar

John Deere 230 Auger Platform — 12-foot (3 048 mm)

JOHN DEERE 230 AUGER PLATFORM

PREDELIVERY CHECK LIST

After the auger platform has been completely assembled, inspect it to be sure 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.

- ☐ All grease fittings have been lubricated and gear cases filled. (See "Lubrication", pages 11 and 12.)
- ☐ All moving parts are working freely.
- ☐ Check tire inflation pressures.
- ☐ Remove shipping plug from cutterbar drive case and install breather plug. Check knife drive case mounting bolts and knife drive arm nut torque (see page 3).

- ☐ Check tension of all belts and adjust if necessary.
- ☐ Check all chains for proper installation and adjustment.
- ☐ Check auger and reel speed and position, pages 25 and 26.
- ☐ Platform has been run for one-half hour and bearings are not heating.

(Signature of Set-Up Technician)

(Date Set-Up)

DELIVERY CHECK LIST

At the time the auger platform is delivered, the following check list is a reminder of very important information which should be conveyed directly to the customer. 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 lubrication as described in the operator's manual.
- ☐ Advise the customer of the safety precautions that must be exercised while using this platform, page 2.
- ☐ Give the operator's manual to the customer and explain all operating adjustments and lubrication fully.

(Date Delivered)

OWNER REGISTER

Name _____
Rural Route # _____
County _____ State _____ Zip _____
Serial Number _____
Operator's Manual No. _____
Date Sold _____

- ☐ Advise the customer of the optional attachments that are available for special crop and operating conditions.

(Signature)

AFTER-SALE CHECK LIST

It is suggested the following items be checked sometime during the first operating season.

- | | |
|---|--|
| <input type="checkbox"/> Go over the entire machine and check for loose or missing bolts. | <input type="checkbox"/> Check for broken or damaged parts. |
| <input type="checkbox"/> Check chains for proper tension. | <input type="checkbox"/> If possible, run the platform to see if it is functioning properly. |
| <input type="checkbox"/> Make sure all safety shields are in place. | <input type="checkbox"/> Review the entire operator's manual with the customer and stress the importance of proper and regular lubrication and safety precautions. |

(Date Checked)

(Signature)



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Safety

Operate Safely

Do not operate platform before reading this manual.

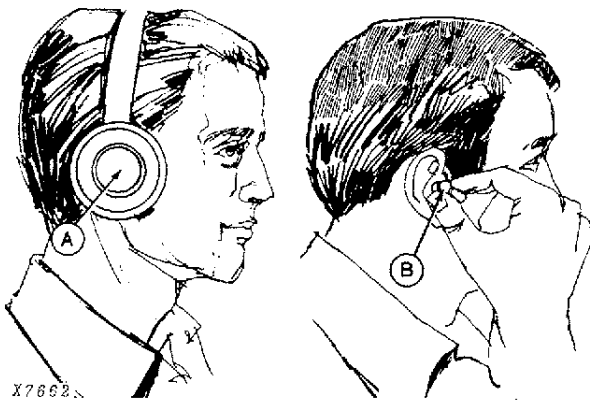
Do not stand in front of or behind platform while it is operating.

Drive slowly over rough ground.

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

Avoid Contact With Moving Parts

Keep hands, feet and clothing away from moving parts.

Never attempt to unplug platform unless engine is shut off.

Practice Safe Maintenance

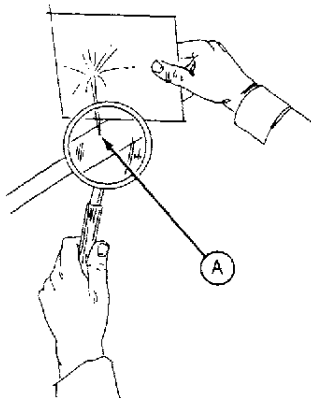
Do not clean, oil or adjust with machine running.

Replace any guards and shields removed for servicing.

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.



A—Pin Hole Leak



Field Operation and Adjustments

BEFORE OPERATION CHECKS AND ADJUSTMENTS



CAUTION: Never adjust the auger platform with power engaged. Disengage the drive and shut off engine.

Inspect and service platform before starting work each day.

1. Lubricate according to lubrication section (see page 11).
2. Check for hydraulic oil leakage.
3. Check belts and chains for proper tension and alignment.
4. Inspect cutterbar for damaged knife sections and alignment of guards.
5. Check for loose bolts or missing cotter pins.

BREAKING IN THE AUGER PLATFORM

After the auger platform has been completely assembled, inspect for loose bolts and hydraulic fittings.

New belts will stretch slightly during the "break-in" period. Check both V-belts and all chain drives for proper alignment and tension frequently during this time.

Check operation of platform hydraulic controls.

Run the platform empty for at least 30 minutes. Run at slow idle speed for the first 15 minutes, and increase to full speed for the rest of the period. Inspect machine frequently during this time for wear.

IMPORTANT: After initial "breaking-in", do not operate machine empty for long periods of time as this will accelerate wear.

IMPORTANT: At this time, torque knife drive case mounting bolt to 200 ft-lbs (271 Nm) (27 kgm), and knife drive arm nut to 200 ft-lbs (271 Nm) (27 kgm).

FIELD OPERATION

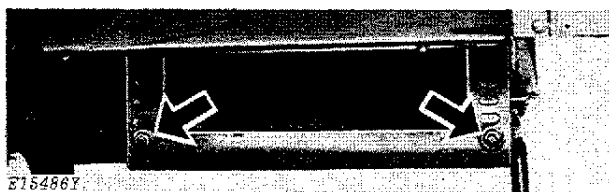
Starting and Ground Speed

IMPORTANT: Do not engage platform with engine running at high speed. To do so may cause undue wear or possible breakage.

Operate platform at rated speed. Running under speed may cause the platform to plug when the crop is heavy. Where conditions make it necessary to slow ground speed, slow the windrower with the master control lever rather than reduce engine speed.

Normally a speed of 4 to 6 miles per hour (6 to 10 km/h) will produce a good windrow. Higher speeds may sometimes be used when operating in a light, scattered crop.

OPERATING ADJUSTMENTS

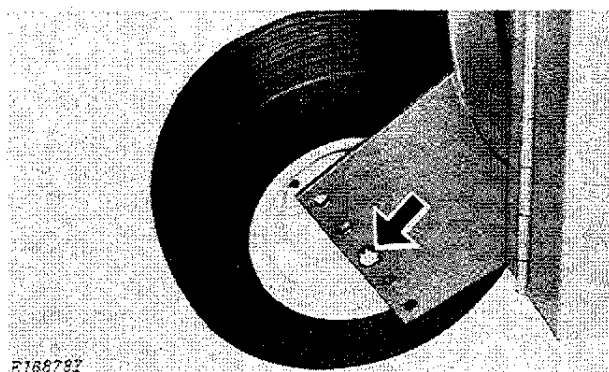


Gauge Shoes

The shoes are adjustable to give a cutting height from 1 to 4 inches (25 to 102 mm).

To adjust, remove adjusting bolts (arrowed) and move to desired height.

After adjusting, check platform float (see windrower operator's manual).



Gauge Wheels (14-Foot [4 267 mm] Platform on 2420 Only)

The gauge wheels are adjustable to give different cutting heights. Remove two adjusting nuts (arrowed) and washers and relocate at desired position.

Adjusting Platform Float

Use the lightest float setting which will allow the platform to remain firmly on the ground without bouncing, and that will follow uneven ground without gouging or scraping.

To adjust, see windrower operator's manual.

NOTE: The float should never exceed 150 pounds (667 N) measured at each end of the knock-down bar.

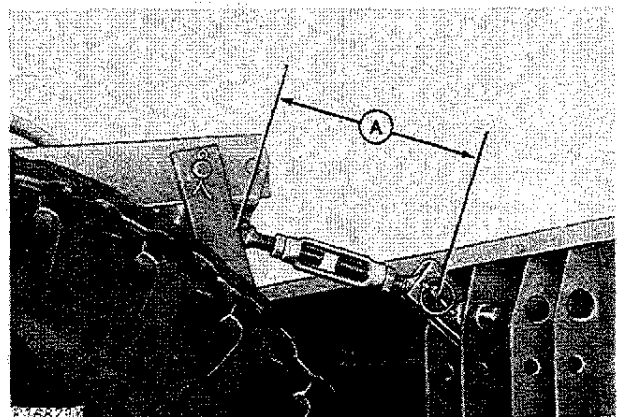
Platform Guard Angle

Guard angle is variable from minus 6 degrees to 12 degrees below horizontal.

Angle is increased by lengthening turnbuckles (A) and reduced by shortening them.

NOTE: Reducing guard angle increases stubble height.

A—Turnbuckles

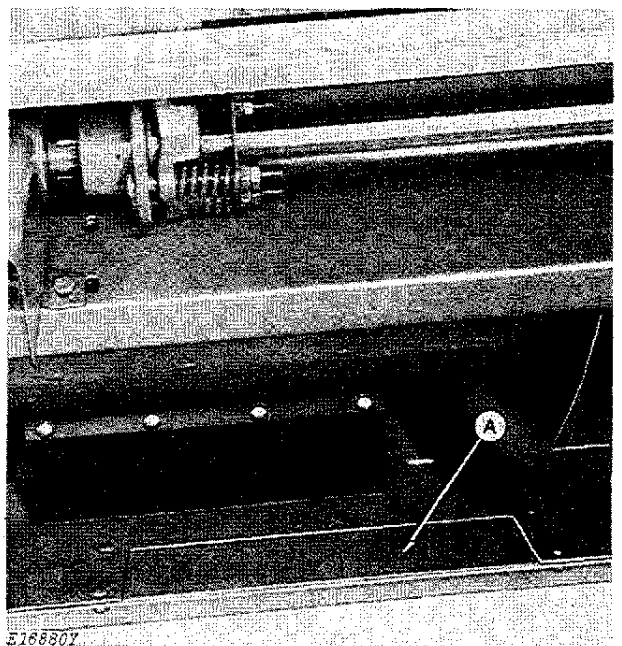


Removing Rock Door

When working in rocky conditions, remove rock door (A) to allow rocks to fall on ground.

NOTE: In extremely short hay, removing rock door may cause feeding difficulties, resulting in bunched windrows.

A—Rock Door



Continued on next page

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