

430 AND 530 ROUND BALERS



JOHN DEERE

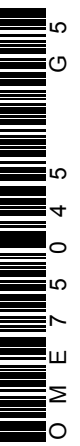
OPERATORS MANUAL

430 AND 530
ROUND BALERS

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ENGLISH





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.



This baler is primarily of metric design.

For your convenience, most specifications are given in metric measurement with the customary U. S. measurement following.

Some specifications cannot be converted, these appear in metric only.

Most hardware is metric. Specified metric hardware must be used for replacement.

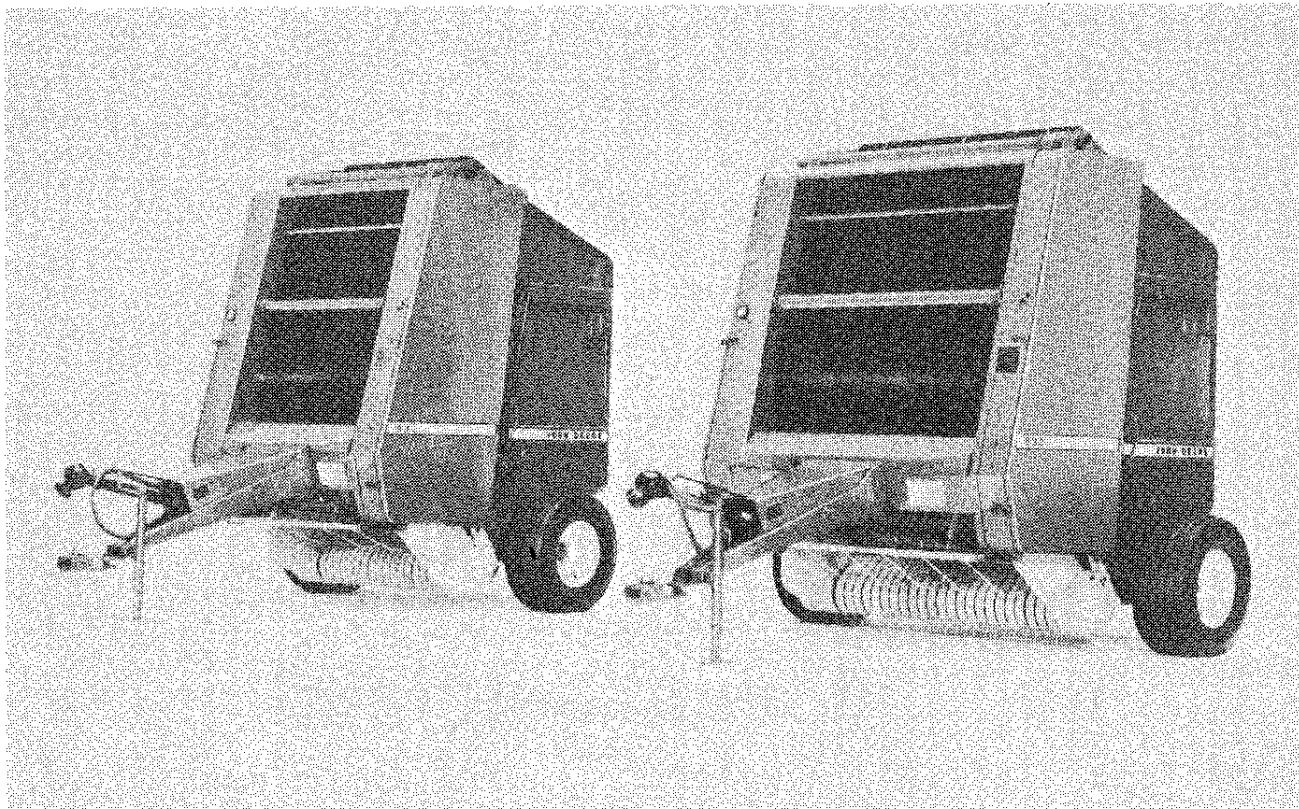


CAUTION: Use only metric tools. Other tools may not fit properly. They may slip and cause injury.

“Right-hand” and “left-hand” sides are determined by facing in the direction the baler will travel when in use.

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

Record the identification number(s) in the space provided following Specifications. Accurately record all of the characters because (should they be stolen) tracing is sometimes through a computer match of letters and numbers. Also, your dealer needs this information when ordering parts. If you carry your operator's manual on the machine for reference, be sure to also record the identification number(s) on a separate sheet of paper and file it in a secure place not on the machine so you will still have a record in case the machine is stolen.



John Deere 430 and 530 Round Balers

Checklists

467 BALER

PREDELIVERY CHECKLIST

After the baler has been completely assembled, inspect it to be sure it is in good running condition before delivering it to the customer. The following checklist is a reminder of points to inspect. Check off each item as it is found satisfactory or after proper adjustment is made.

- Baler has been assembled properly. (See Assembly section.)
- Shipping plug has been replaced with relief valve on gear case. (See Assembly section.)
- Baler has been lubricated. (See Lubrication section.)
- All moving parts are working freely.

- Plungerhead and stationary knife clearance has been checked. (See Service section.)
- Check measuring arm adjustment. (See Service section.)
- PTO slip clutch has been checked for specified slippage. (See Service section.)
- Tire pressures have been checked (See Specifications section.)
- Pickup spring tension is properly adjusted. (See Service section.)
- Drive gears have been lubricated before run-in. (See Preparing the Baler section.)
- Baler has had a "break-in" period of one hour. (See preparing the Baler.)

(Date Set Up)

(Signature)

E01;467U A 280585

DELIVERY CHECKLIST

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

- Advise the customer that the life expectancy of this, like any other machine, is dependent on regular lubrication as described in operator's manual.
- Give the operator's manual to the customer and explain all operating adjustments and lubrication fully.
- Explain proper ASAE standard dimensions for PTO hookup.
- Advise customer of safety precautions that must be observed while using this baler.

- Tell customer the right-hand wheel of the tractor should be moved all the way in on tractors having adjustable-tread width.
- When the baler 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. Various safety lights and devices are available from your John Deere dealer. In this regard, tell customers to check local governmental regulations. Among these is the SMV (slow-moving vehicle) emblem which can be attached vertically to the rear of the auger housing.
- Advise the customer of the optional attachments that are available for special crop and operating conditions.

(Date Delivered)

(Signature)

E01;467U B 280585

Checklists

AFTER SALE CHECKLIST

It is suggested that the following items be checked sometime during the first season's operation.

- Go over entire machine for loose or missing bolts.
- Check for broken or damaged parts.
- Check for correct needle, feeder, and plungerhead timing as outlined in the operator's manual.
- If possible, run the baler to see if it is functioning properly.
- Check the plungerhead for proper adjustment.
- A good quality twine or wire is being used and is threaded properly.
- Inspect the plungerhead and stationary knives to be sure they are sharp and properly adjusted.
- Check knottor adjustments. If possible, inspect ties on a few bales.
- All chains and belts are properly tightened.
- Review the entire operator's manual with the customer and stress the importance of proper and regular lubrication and safety precautions.
- All safety shields and the safety chain are in place.

(Date Checked)

(Signature)

E01;;327U B 030585

OWNER REGISTER

Name _____
Rural Route # _____
County _____ City _____
State _____ Zip _____
Operator's Manual No. OM-E76109 Issue H5
Date Sold _____

E01;;467U C 280585

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Safety

OBSERVE SAFETY SIGNS AND MESSAGES



CAUTION: This message is used for general reminders of good safety practices or to direct attention to unsafe practices. The message will appear in your operator's manual and/or the sign will appear on the machine with the color combination of yellow and black.

WARNING: This message denotes a specific potential hazard. The sign will be displayed on the machine in areas of potential hazard. The sign will have the color combination of yellow and black.

DANGER: This message denotes the most serious specific potential hazard. The sign will be displayed on the machine in areas of potential hazard. The sign will have the color combination of red and white.



AA7;T27999 N E05;RDMC B 250984

OBSERVE "IMPORTANT" MESSAGES

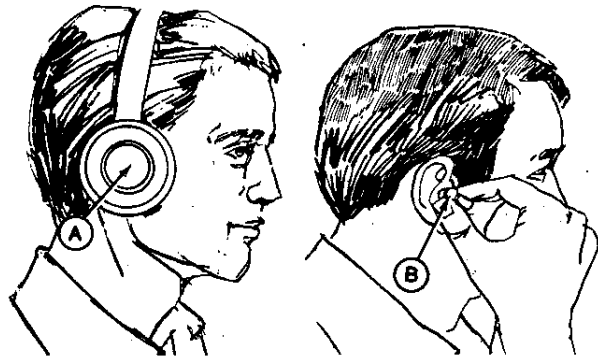
Messages labeled "Important" will appear in this manual and/or on the machine to provide specific instructions for performing adjustments, services, etc. If these instructions are not followed, it could result in damage to the machine.

E01;40BEC B 210584

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.

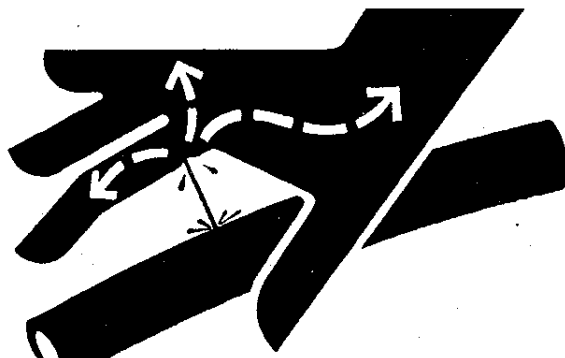


AB6;X7662 053;NOISE 210585

AVOID HIGH-PRESSURE FLUIDS

Escaping fluid under pressure can penetrate the skin causing serious injury. Relieve pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure. Keep hands and body away from pinholes and nozzles which eject fluids under high pressure. Use a piece of cardboard or paper to search for leaks.

If ANY fluid is injected into the skin, it must be surgically removed within a few hours by a doctor familiar with this type injury or gangrene may result.



AB6;X9811 053;FLUID 100584

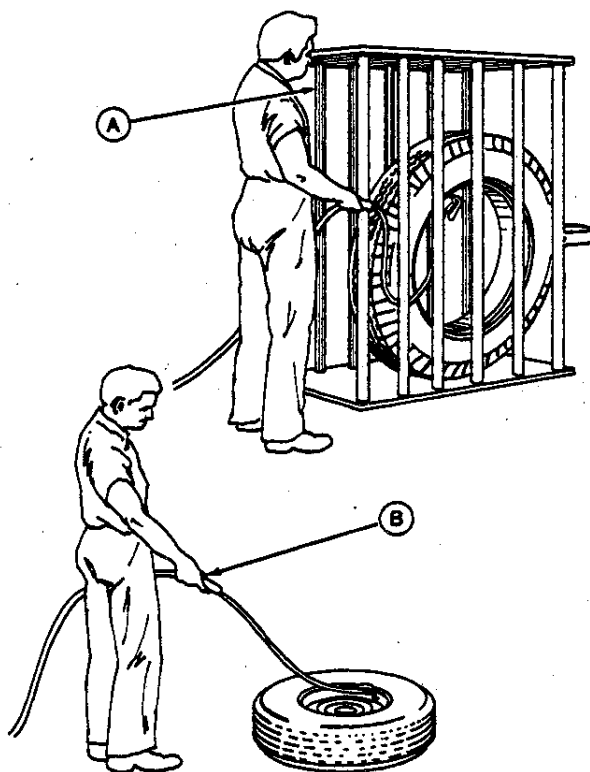
SERVICE TIRES SAFELY

Failure to follow proper procedures when mounting a tire on a wheel or rim can produce an explosion which may result in serious injury or death. Do not attempt to mount a tire unless you have the proper equipment and experience to perform the job. Have it done by your John Deere dealer or a qualified tire repair service.

When sealing tire beads on rims, never exceed 35 psi (241 kPa) (2.4 bar) or maximum inflation pressures specified by tire manufacturers for mounting tires. Inflation beyond this maximum pressure may break the bead, or even the rim, with dangerous explosive force. If both beads are not seated when the maximum recommended pressure is reached, deflate, reposition tire, relubricate bead and reinflate.

Detailed tire mounting instructions, including necessary safety precautions, are contained in John Deere Fundamentals of Service (FOS) Manual 55, Tires and Tracks, available through your John Deere dealer. Such information is also available from the Rubber Manufacturers Association and from tire manufacturers.

- A—Use a Safety Cage if Available.
- B—Do Not Stand Over Tire. Use a Clip-on Chuck and Extension Hose.



AB6;TS0123 053;TIRE 100584

DO NOT MODIFY MACHINE

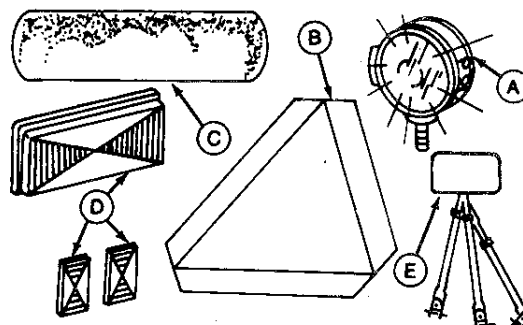
Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.

AA7; E01;40BEC E 210584

USE SAFETY LIGHTS AND DEVICES

When transporting your machine on a road or highway at night or during the day, use necessary lights (A), SMV emblems (B), reflector tape (C) or reflectors (D), and mirror extension (E) for adequate warning to operators of other vehicles. In this regard, check local governmental regulations. These various safety lights and devices are available from your John Deere dealer.

- | | |
|------------------|------------------------|
| A—Lights | D—Reflectors |
| B—SMV Emblem | E—Mirror and Extension |
| C—Reflector Tape | |



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OPERATE SAFELY

Wear relatively tight and belted clothing to prevent catching on machine parts.

Never allow riders on the baler.

Keep all shields in place when operating baler.

Do not attempt to pull hay or twine from pickup when baler is running.

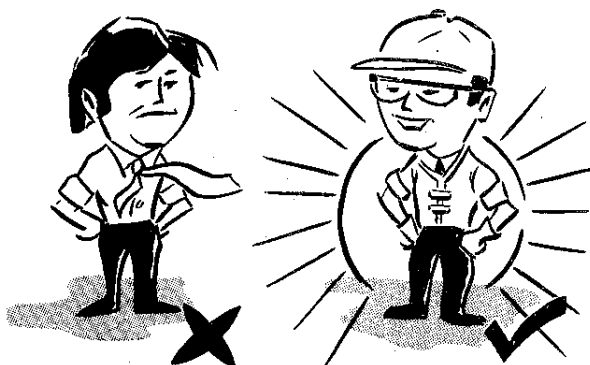
Never hand-feed twine or hay into baler.

All machinery should be operated by responsible persons who have been properly instructed and delegated to do so.

Stand clear of baler at all times when machine is operating.

Become familiar with all controls affecting machine functions.

Before servicing, adjusting, or removing material from the baler, always disengage all power and shut off engine.

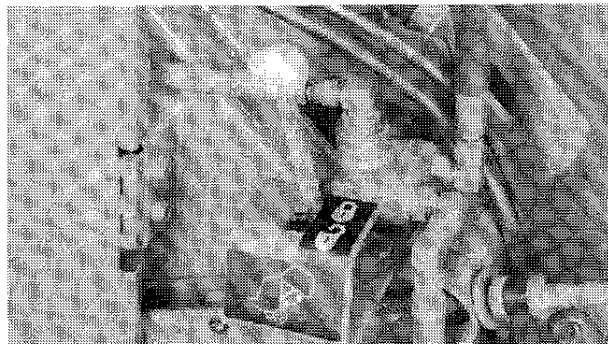


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Position gate lock valve to locked position before working on or around baler with gate in raised position. (See Gate Lock Valve in Operating the Baler Section.)

To avoid injury stay clear of gate while it is being raised and lowered.

Be sure bystanders are clear before operating gate.



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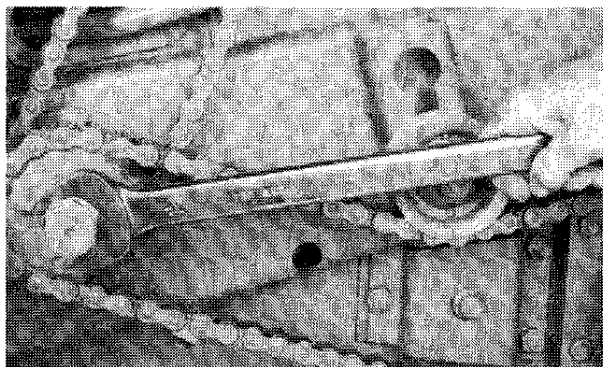
Safety

Use open end wrench to turn the hex gear case output shaft to aid in servicing. Never use any type of tool or wrench on shaft while tractor engine is running. Always remove tool from the shaft whenever you are finished using it.

Check driveline shield to ensure it is free to turn. Make necessary repairs if the shield will not turn.

Check to make sure driveline is securely latched by pulling on it rearward. Do not pull on collar as this will release latch.

Become familiar with operator's manual and the safety decal signs on the machine.



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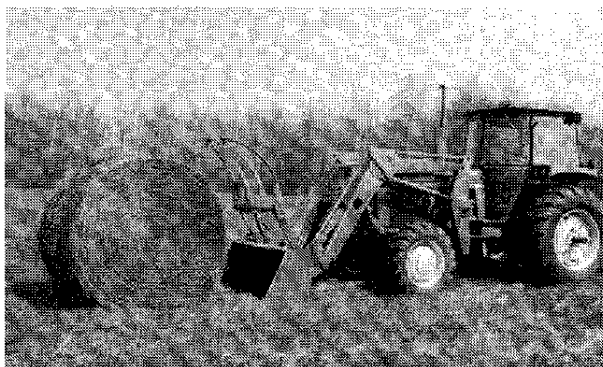
If using a tractor loader to move bales, the loader **MUST** be equipped with a grapple to prevent bale from rolling down loader frame onto tractor operator.

Be especially careful when operating on hillsides. The baler may tip sideways if it strikes a hole, ditch, or other irregularity.

Due to the weight and rolling tendency of large round bales, be careful when moving bales.

To prevent injury or damage from a rolling bale, discharge bales on level ground or in such a manner that the bale will not roll.

Do not allow anyone to stand near the rear of the baler when it is discharging a bale.



AA7;W8104 E01;;530C K 230485

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