



4-Row Row-Crop



OPERATORS MANUAL 4-Row Row-Crop

OME77078 I8 English

John Deere Ottumwa Works
OME77078 I8
(This Manual Replaces OME77078 L7)

LITHO IN U.S.A.
ENGLISH



Introduction

Thank you for purchasing a John Deere product.

Read this manual carefully to learn how to operate and service your machine correctly. Failure to do so could result in personal injury or equipment damage.

This manual should be considered a permanent part of your machine and should remain with the machine when you sell it.



This machine is of metric design. Measurements in this manual are metric with the customary U.S. measurement following. Use only metric hardware and tools as specified.

Right-hand and left-hand sides are determined by facing in the direction of forward travel.

Write product identification numbers in the Specifications section. Accurately record all the numbers to help in tracing the machine should it be stolen. Your distributor also needs these numbers when you order parts. If this manual is kept on the machine, also file the identification numbers in a secure place off the machine.

Warranty is provided as part of John Deere's support program for customers who operate and maintain their equipment as described in this manual. The warranty is explained on the warranty certificate which you should have received from your distributor.

This warranty provides you the assurance that John Deere will back its products where defects appear within the warranty period. In some circumstances, John Deere also provides field improvements, often without charge to the customer, even if the product is out of warranty. Should the equipment be abused, or modified to change its performance beyond the original factory specifications, the warranty will become void and field improvements may be denied. Setting fuel delivery above specifications or otherwise overpowering machines will result in such action.



John Deere 4-Row Row-Crop with 5730 Self-Propelled Forage Harvester

All information, illustrations and specifications in this manual are based on the latest product information available at the time of publication. The right is reserved to make changes at any time without notice.

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054/E26815 E03;;4ROWA -IFC 180788

E90;IFC 4 220788

4-Row Row-Crop Checklist

OWNER REGISTER

Name _____
Rural Route # _____
County _____ City _____
State _____ Zip _____
Serial Number _____
Model Number _____
Date Sold _____

E01;;530U B 220485

PREDELIVERY CHECKLIST

After the row-crop 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 checklist is a reminder of points to inspect. Check off each item as it is found satisfactory or after proper adjustment has been made. Consult the row-crop operator's manual for proper adjustments.

- | | |
|---|---|
| <input type="checkbox"/> All shields open and close freely. | <input type="checkbox"/> Shipping brackets have been removed. |
| <input type="checkbox"/> Row-crop has been assembled correctly. | <input type="checkbox"/> All moving parts are working freely. |
| <input type="checkbox"/> Grease lines and connections have been checked for leaks. | <input type="checkbox"/> Gatherer chains have been adjusted. See Service section in operator's manual. |
| <input type="checkbox"/> Nuts on all bolts have been tightened. | <input type="checkbox"/> Row-crop has been cleaned and touched up wherever paint is nicked or scratched. |
| <input type="checkbox"/> All grease fittings have been lubricated. | <input type="checkbox"/> Mounting brackets have not been bent in transit. |
| <input type="checkbox"/> Gear case has been filled. See Lubrication and Maintenance section in operator's manual. | <input type="checkbox"/> Upper crop divider has been adjusted to normal operating position. See Service section in operator's manual. |
| <input type="checkbox"/> Knife assemblies have been adjusted. See Service section in operator's manual. | <input type="checkbox"/> This row-crop has been tested and, to the best of my knowledge, is ready for delivery to the customer. |
| <input type="checkbox"/> Gatherer points have been adjusted. See Operating the Row-Crop section in operator's manual. | |

(Date Set Up)

(Signature)

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4-Row Row-Crop Checklist

DELIVERY CHECKLIST

Items in the Delivery Checklist should be performed when delivering the row-crop to the customer. Customer satisfaction will be further insured if the items in the "After Sales Checklist" are performed as listed.

- | | |
|---|--|
| <input type="checkbox"/> Discuss proper harvesting management practices required for good silage. | <input type="checkbox"/> Advise the customer of the importance of regular lubrication at scheduled intervals and point out all lubrication points. |
| <input type="checkbox"/> Advise the customer to record the serial number. | <input type="checkbox"/> Advise the customer of safety precautions that must be observed while using the row-crop. |
| <input type="checkbox"/> Advise the customer of the correct weights and fluids that must be used in the tires, depending upon forage harvester. | <input type="checkbox"/> Invite the customer to come in and discuss any problems that may be encountered while operating the row-crop. |
| <input type="checkbox"/> Advise the customer to check local government regulations covering use of warning lights, reflectors, etc., when transporting on public roads or highways. | <input type="checkbox"/> Give operator's manual to customer and fully explain all operating adjustments. |
| <input type="checkbox"/> Explain the John Deere Warranty. | |

(Date Delivered)

(Signature)

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AFTER-SALE CHECKLIST

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

- | | |
|---|---|
| <input type="checkbox"/> Go over entire machine for loose or missing nuts and bolts. | <input type="checkbox"/> If possible, run the row-crop to see if it is functioning correctly. |
| <input type="checkbox"/> Inspect the knives to be sure they are sharp, have proper clearance, and register is adjusted correctly. | <input type="checkbox"/> Check for worn gatherer chains and guides. |
| <input type="checkbox"/> All chains are adjusted correctly. | <input type="checkbox"/> Check with the customer as to the performance of the row-crop thus far. Be sure the customer understands the best methods of row-crop operation. |
| <input type="checkbox"/> All safety shields are in place and fastened securely. | <input type="checkbox"/> Review the entire operator's manual with the customer and stress the importance of correct and regular lubrication and safety precautions. |
| <input type="checkbox"/> Check for broken or damaged parts. | |

(Date Checked)

(Signature)

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Safety

RECOGNIZE SAFETY INFORMATION

This is the safety-alert symbol. When you see this symbol on your machine or in this manual, be alert to the potential for personal injury.

Follow recommended precautions and safe operating practices.



AB6;T81389 053;ALERT 160687

UNDERSTAND SIGNAL WORDS

A signal word—DANGER, WARNING, or CAUTION—is used with the safety-alert symbol. DANGER identifies the most serious hazards.

Safety signs with signal word DANGER or WARNING are typically near specific hazards.

General precautions are listed on CAUTION safety signs. CAUTION also calls attention to safety messages in this manual.



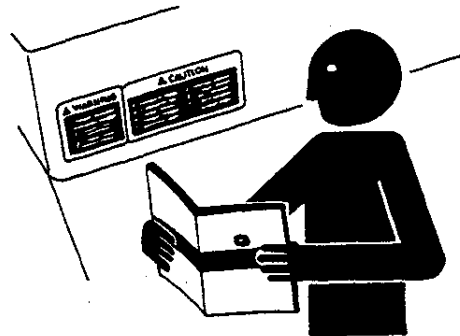
AB6;TS187 053;SIGNAL 071085

FOLLOW SAFETY INSTRUCTIONS

Carefully read all safety messages in this manual and on your machine safety signs. Keep safety signs in good condition. Replace missing or damaged safety signs.

Learn how to operate the machine and how to use controls properly. Do not let anyone operate without instruction.

Keep your machine in proper working condition. Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.



AB6;TS201 053;READ 230487



OPERATE ROW-CROP SAFELY

Keep all shields in place when operating machine. Stand clear of gatherer chains and oscillating knives. **DO NOT** hand feed material into row-crop.

Always operate machine at rated speed. Drive slowly over rough ground.

To avoid injury or death by being pulled into the machine:

1. Disengage drives and shut off engine before attempting to unplug the harvesting unit or machine. The feed rolls can feed crop material faster than you can release your grip on the material.
2. Never use your hands or feet to feed crop into the forage harvester, with or without a harvesting unit.
3. This harvesting unit is intended for mobile field operation only. Never use or modify machine to be used in a stationary operation.

E03;4RREC F 110486

KEEP RIDERS OFF MACHINE

Only allow the operator on the machine. Keep riders off.

Riders on machine are subject to injury such as being struck by foreign objects and being thrown off of the machine. Riders also obstruct the operator's view resulting in the machine being operated in an unsafe manner.



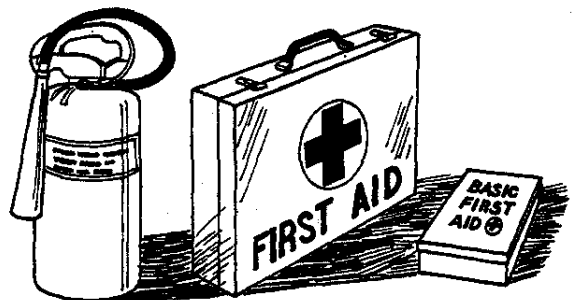
AB6;TS213 053;RIDER 160687

PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

Keep a first aid kit and fire extinguisher handy.

Keep emergency numbers for doctors, ambulance service, hospital, and fire department near your telephone.



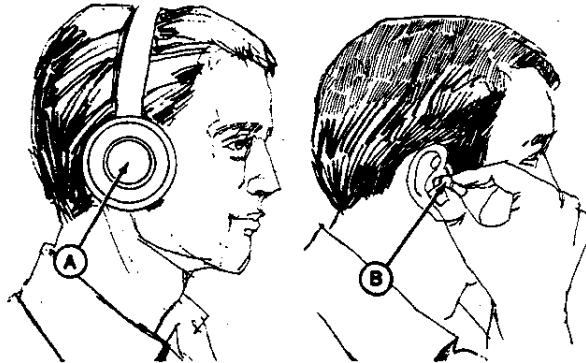
AB6;TS186 053;FIRE2 080785



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 noise.

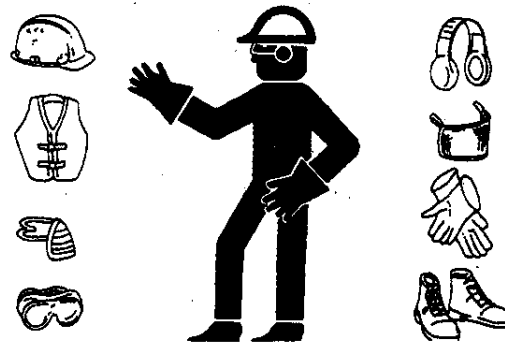
A—Earmuffs
B—Earplugs



0A6;E19364 E03;4RREC E 010285

WEAR PROTECTIVE CLOTHING

Wear close fitting clothing and safety equipment appropriate to the job.

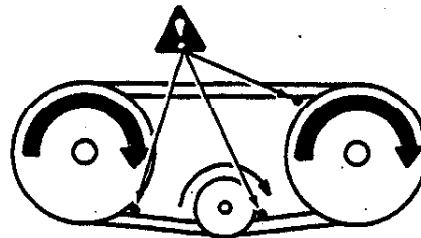


AB6;TS206 053;WEAR2 230487

AVOID CONTACT WITH MOVING PARTS

Keep hands, feet and clothing away from power-driven parts.

Never clean, lubricate or adjust the machine when it is running.



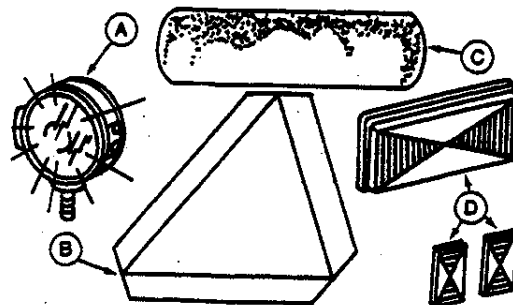
0A6;E21834 E03;4RREC G 010285

USE SAFETY LIGHTS AND DEVICES

When transporting your machine on a road or highway at night or during the day, use necessary safety lights. Check local governmental regulations. A safety lighting kit is available from your John Deere dealer.

Keep safety items in good condition. Replace missing or damaged items.

A—Lights
B—Slow Moving Vehicle Emblem
C—Reflector Tape
D—Reflectors



AB6;N36564 053;WARN 070188



GOVERNMENTAL REGULATIONS

In some areas, additional equipment may be needed when transporting your row-crop on public roads. See your John Deere dealer for these requirements.

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SERVICE ROW-CROP SAFELY

Before servicing, adjusting or removing material from a row-crop attached to a self-propelled forage harvester:

1. Disengage main and feed roll clutch levers.
2. Shut off engine and WAIT until all moving parts have stopped.

To avoid unexpected movement of the row-crop head, before servicing, adjusting, or removing material from a row-crop attached to a pull-type forage harvester and on machines with ROW-TRAK™ Guidance:

1. Shut off tractor engine and WAIT until all moving parts have stopped.
2. Disconnect PTO driveline.
3. TURN ELECTRICAL POWER OFF before servicing or unplugging.

If power is on when a stalk, leg, hand or other objects contact the ROW-TRAK sensor, the machine will move.

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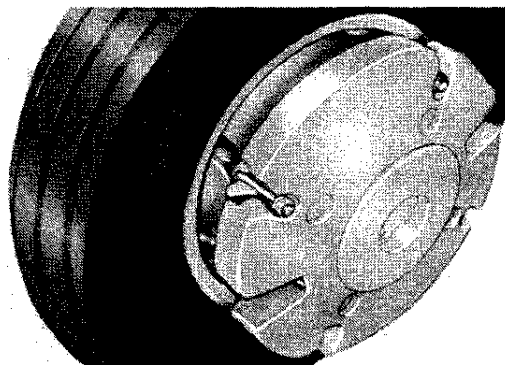
Attaching and Detaching

STEERING WHEEL BALLAST AND SUITCASE BALLAST WEIGHTS (SELF-PROPELLED FORAGE HARVESTERS)

Rear weights are required to help stabilize the harvester by equalizing weight distribution when attaching row-crop to harvester.

When detaching row-crop, remove rear weights from harvester.

Use the weight code with the description below to determine weight requirements for your particular need. When changing to other harvesting units, readjust weights.



REAR WHEEL REQUIREMENTS

WEIGHT CODE		Without Power 11.00-16, 6 Ply Tire		With Power 11.2-24, 4 Ply Tire
Code	Description	Harvester	Weight Code	Weight Code
1	No weights or fluids required	5200	3 and 4	4
2	Inside wheel weights and outside wheel weights - 254 kg (560 lb)	5400	2 and 4	1
		5440	3, 4 and 5	4 and 5
3	Inside wheel weights, outside wheel weights and auxiliary wheel weights - 408 kg (900 lb)	5460	2 and 4	1
		5720	*	*
		5820	*	*
		5730	*	*
		5830	*	*
4	Calcium chloride in tires - 272 kg (600 lb)			
5	Suitcase weights - 272 kg (600 lb)			

0A6;E19375 E03;4RREW -A 191187

SELECTING DRIVE SPROCKET

Use correct drive sprocket for your harvester and row-crop.

Harvester	Standard Drive Sprocket RC80	Recommended Drive Sprocket RC80
5200-5400	28-Tooth	21-Tooth *
5440-5460	21-Tooth	19-Tooth *
5720-5820	14-Tooth	14-Tooth
5730-5830	14-Tooth	14-Tooth

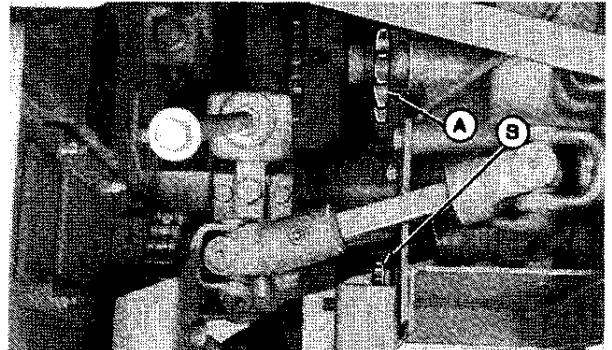
* See your John Deere dealer

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INSTALLING DRIVE SPROCKET AND IDLER

Install drive sprocket (A) and idler (B). Leave idler loose.

NOTE: If you have an older harvester that is not equipped with a chain cover over the idler, obtain one through your John Deere dealer.

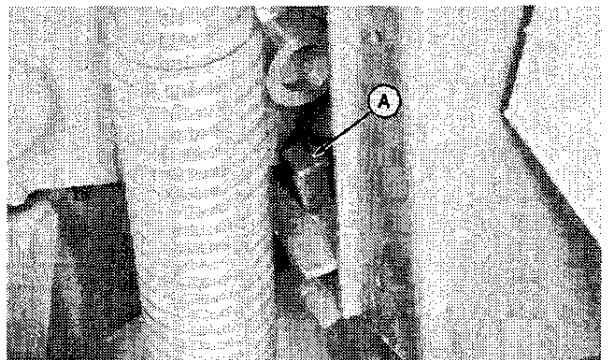


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ATTACHING ROW-CROP TO HARVESTER

NOTE: Move machine to level ground before attaching.

1. Move the harvester height control (to raise or lower the cutterhead) until the lower attaching points align with the lower attaching clips on the row-crop. Secure on both sides with a rectangular, tapered pin (A). Right-hand side shown in picture.



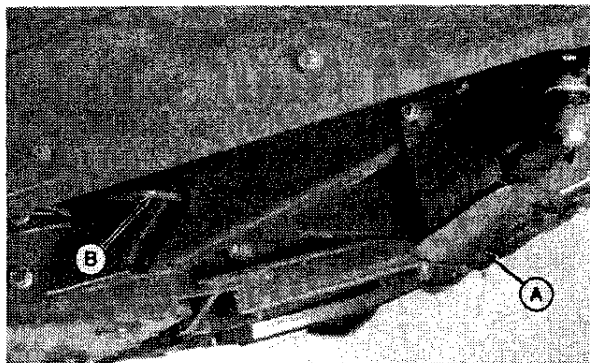
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Attaching and Detaching

2. Raise row-crop slightly, and secure support stands (A) in the transport position.



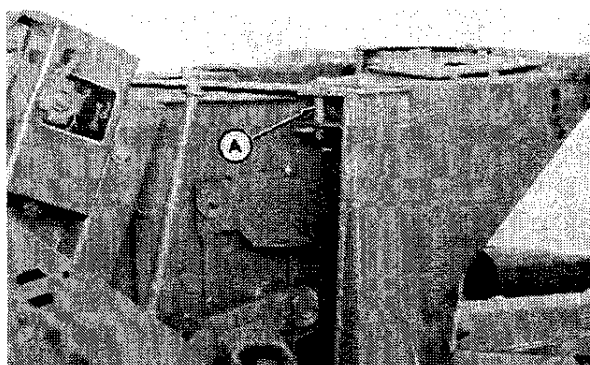
CAUTION: Be sure pins (B) are seated and stands are secure.



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3. Move the height control until the two upper attaching points are seated in the clips. Secure with a round drilled pin (A) and a locking pin on both sides. Raise row-crop off the ground and remove float spring lockout pins.

IMPORTANT: Before removing row-crop, always place lift springs in the lockout position.



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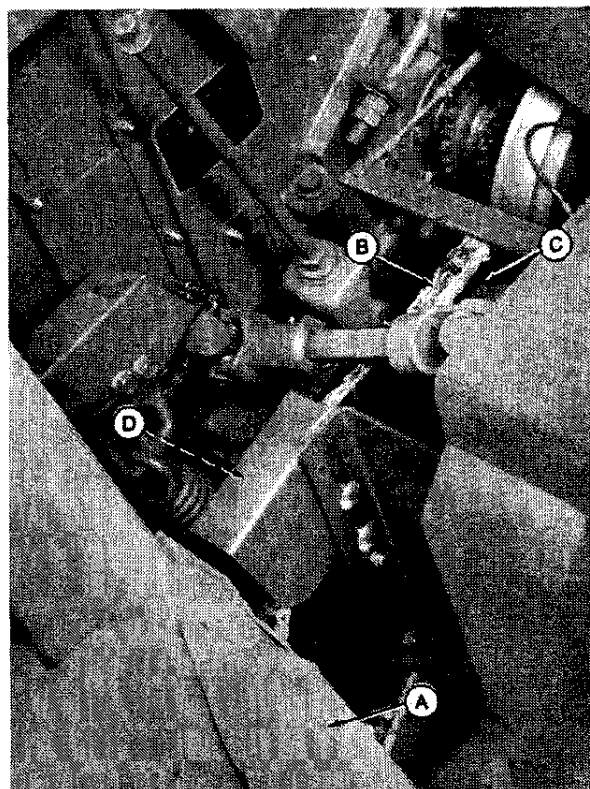
4. Remove slip clutch shield (A). Loop the row-crop drive chain (B) around the sprocket (C). The chain must go over the idler (D).

NOTE: Loosen idler (D) hardware and chain cover.

Align the idler and chain cover. Connect the chain and adjust the idler to give 6 to 25 mm (1/4 to 1-in.) "free movement" on the lower strand. Install clutch shield.



CAUTION: DO NOT run harvester without chain cover and clutch shield in place.



A—Slip Clutch Shield
B—Row-Crop Drive Chain
C—Sprocket
D—Idler

0A6/E27525 E03;4RREW G 110486

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