

40 Series Corn Heads

John Deere Harvester Works
OMH146143 Issue L1
(This manual replaces H144424 Issue K0)

LITHO IN U.S.A.
ENGLISH

Introduction

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.

MEASUREMENTS in this manual are given in both metric and customary U.S. unit equivalents. Use only correct replacement parts and fasteners. Metric and inch fasteners may require a specific metric or inch wrench.

RIGHT-HAND AND LEFT-HAND sides are determined by facing in the direction the implement will travel when going forward.

WRITE PRODUCT IDENTIFICATION NUMBERS (P.I.N.) in the Specification section. Accurately record all the numbers to help in tracing the machine should

it be stolen. Your dealer also needs these numbers when you order parts. 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 dealer.

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.



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

OMH146143 L1-19-04DEC91

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Contents

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.



DX,ALERT -19-04JUN90

T81389 -UN-07DEC68

UNDERSTAND SIGNAL WORDS

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

DANGER or WARNING safety signs are located near specific hazards. General precautions are listed on CAUTION safety signs. CAUTION also calls attention to safety messages in this manual.



DX,SIGNAL -19-04JUN90

TS187 -19-30SEP88

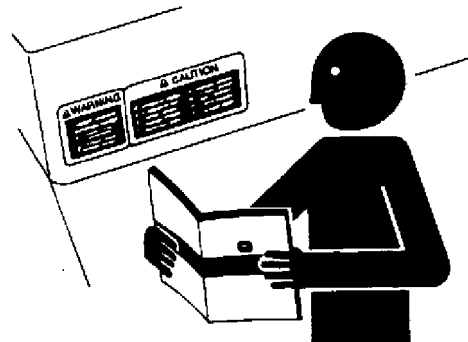
FOLLOW SAFETY INSTRUCTIONS

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. Be sure new equipment components and repair parts include the current safety signs. Replacement safety signs are available from your John Deere dealer.

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.

If you do not understand any part of this manual and need assistance, contact your John Deere dealer.



DX,READ -19-04JUN90

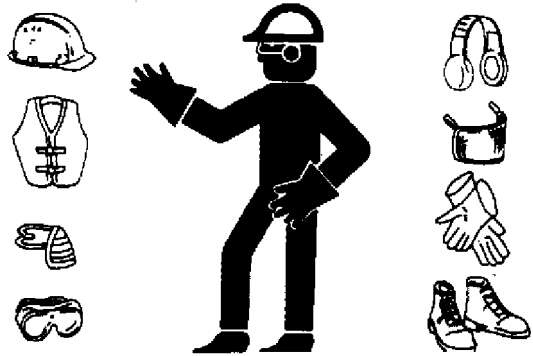
TS201 -UN-23AUG88



WEAR PROTECTIVE CLOTHING

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

Operating equipment safely requires the full attention of the operator. Do not wear radio or music headphones while operating machine.



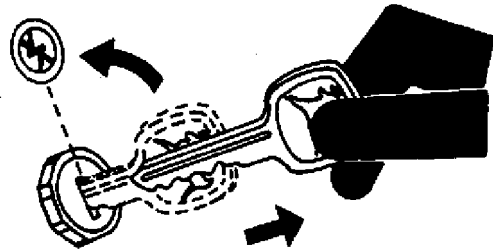
DX,WEAR2 -19-10SEP90

TS206 -UN-23AUG68

PARK MACHINE SAFELY

Before working on the machine:

- Lower all equipment to the ground.
- Stop the engine and remove the key.
- Disconnect the battery ground strap.
- Hang a "DO NOT OPERATE" tag in operator station.



DX,PARK -19-04JUN90

TS230 -UN-24MAY89

IDENTIFY SIGNAL WORDS IN THIS MANUAL

"CAUTIONS" are identified by bold type, and indicate there is a possibility of injury to you or other people.

"IMPORTANTS" are also identified by bold type, and indicate there is a possibility of damage to the machine.

"NOTES" are identified by italics. They provide additional information that is an exception to a previous statement or is not directly related to the original subject.

CRNHD,40SA,F -19-12DEC83



AVOID CONTACT WITH MOVING PARTS

Never attempt to clear obstructions on the corn head unless the main drive is disengaged, the engine shut off and key removed.

DANGER: To avoid bodily injury or death, SHUT OFF engine before unlogging.

Rolls in gathering units move faster than you can let loose of stalk.



H41472

CRNHD,40SA,G -19-24APR85

H41472 -UN-28NOV89

PROTECT AGAINST NOISE

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

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



DX,NOISE -19-04JUN90

TS207 -UN-23AUG88

1243 CORN HEAD TIRE REQUIREMENTS

IMPORTANT: See your combine operator's manual for the specific tires required on an 8820 or 9600 combine when operating this header.

30.5 L 16 PR, 73 x 44.00-32 high-flotation tires or 18.4-38 dual wheels are required on 8820 Combine when operating with 1243 Corn Head.

30.5-32 in., 16 PR cleat (R-1), 35.5-32 in., 12 PR cane/rice (R-2) or 18.4R-42 in., two star cleat (R-1) radial, wide spaced dual wheels are required on 9600 combine when operating with 1243 Corn Head.

CRNHD,40SA,I -19-25FEB89

Safety Decal Location

IMPORTANT

See your operator's manual for the specific tires required on an 8820 and 9600 combine when operating this header.

1243 ONLY

⚠ DANGER

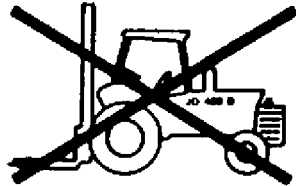


Entanglement in rotating driveline can cause serious injury or death.
Keep all shields in place.
Avoid contact with rotating parts.

SIDEHILL 6620 ONLY

⚠ CAUTION

The shipping weight of this head is approximately 7770 lbs. Do not attempt to lift this head with equipment having less than 10,000 lbs. minimum capacity.



1243 ONLY



⚠ DANGER



To avoid bodily injury or death, **SHUT OFF** engine before unclogging.
Rolls in gathering units move faster than you can let loose of stalk.

⚠ CAUTION

1. Keep all shields in place
2. Disengage and shut off all engine and/or motor power before servicing or unclogging machine
3. Keep hands, feet, and clothing away from power-driven parts.

H43999

-19-02DEC91

H43999

CRNHD,40SD,A -19-04DEC91

Attaching and Detaching

CHECK AUGER STRIPPER LOCATION

NOTE: The auger strippers (A) are positioned in different locations depending on the combine size the corn head will be used on.

(6600 Combines) Align first hole in leg of stripper (A) with hole (B).

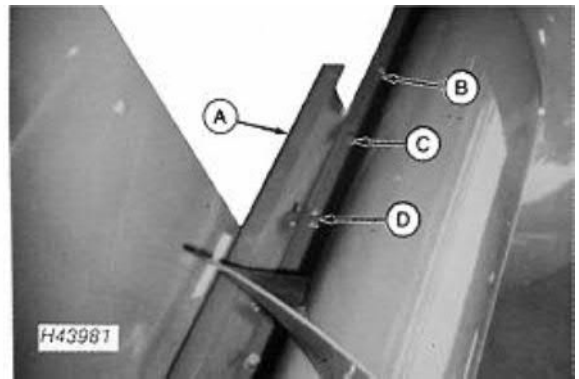
(9400, 9500, SideHill 9500, CTS and 7720 Combines) Align first hole in leg of stripper with hole (C).

(9600 and 8820 Combines) Align first hole in leg of stripper with hole (D).

NOTE: 844 and 1243 Corn Heads are not stripper adjustable and should only be used on 9600 and 8820 Combines.

IMPORTANT: If attaching corn head to a 1990 or older model combine, strippers on the front of the combine feeder house must be removed before attaching combine to corn head.

If attaching corn head to a 4425 or 4435 combine, remove the stripper extensions from the corn head.



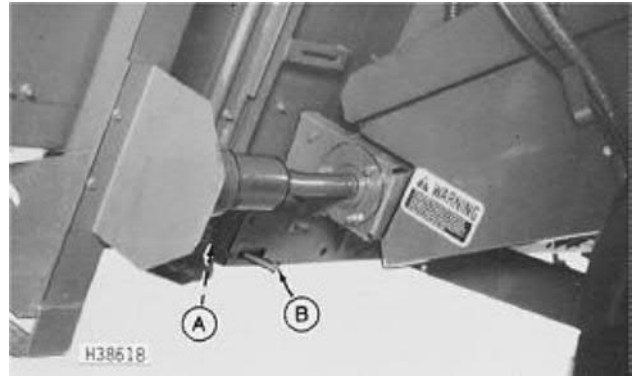
CRNHD_40AD_AP -19-04DEC91

ATTACHING CORN HEAD TO 4420 (600001-000), 4425 AND 4435 COMBINES

IMPORTANT: Lock pin (A) (both sides) must be moved in before attaching header. Move pin by sliding stop bolt (B) in and down. If pins are left in the out position, feeder house will be damaged when header is attached.

NOTE: If belt pickup or platform was used prior to using corn head, pressure line and return line for belt pickup or reel drive must be connected together on the feeder house.

The following changes should also be done before attaching the corn head to the combine, adjust feeder conveyor "Float", adjust feeder conveyor drive chain on variable speed feeder house, add steering wheel weights, adjust front wheel spacing, adjust strawchopper knives (if equipped), tighten straw spreader drive belt (if so equipped), use recommended sieve and chaffer, install cylinder filler plates and install perforated parts (attachments). See your combine operator's manual.

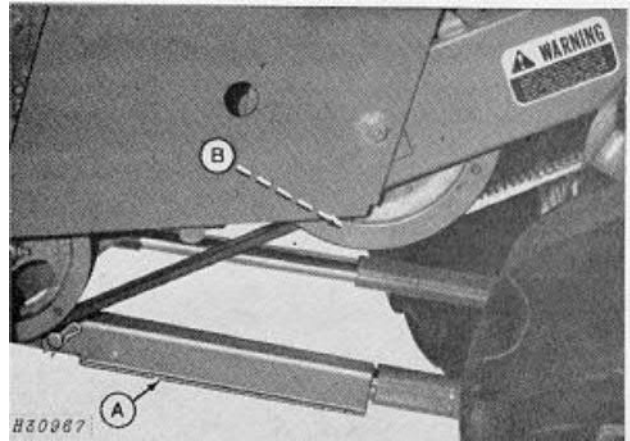


4425 Combine Shown

H38618
-UN-25AUG89

Attaching and Detaching

1. Sound horn, start engine and lower feeder house.
2. Drive slowly forward until feeder house is centered in corn head opening. Raise feeder house, lifting corn head, all the way up. Shut off engine and remove key. 4420 must have pivot blocks seated in top beam of corn head. 4425 and 4435 hooks must be on front side of corn head top beam.
3. Disconnect chain (B) and lower safety stop (A) on cylinder.

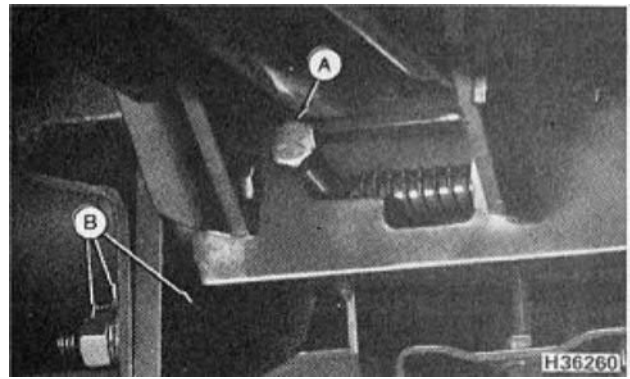


4420 Shown

H30987 -UN-20NOV89

4. (Both sides) Slide and pivot stop bolt (A) up, and out to lock pin into header.

NOTE: Loosen mating lock plate (B) on corn head to let lock pin center into header. Torque nut on lock plate (B) to 170 lb-ft (231 N·m). Repeat on other side.



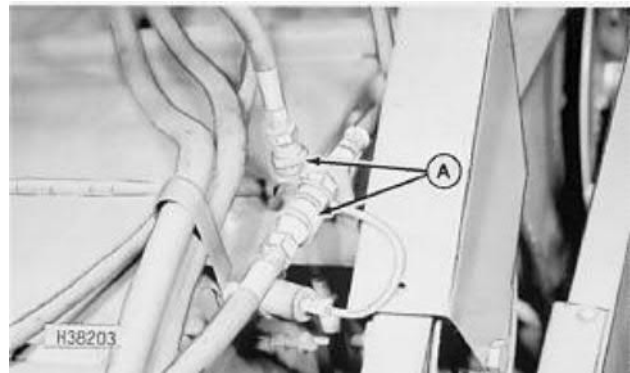
4420 Shown

H36260 -UN-28NOV89

5. (4420) Connect both variable feeder house hoses at couplers (A) on left side of feeder house.

(4425 and 4435) Place protective cap over reel lift hose and put with reel drive hoses in shield clamp.

6. Sound horn, start engine and move feeder house speed lever forward to close top variable sheaves. Shut off engine and remove key.



4420 Shown

H38203 -UN-13OCT88

CRNHD,40AD,B -19-04DEC91

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