



DCY

606C and 608C Corn Heads

OPERATOR'S MANUAL 606C and 608C Corn Heads OMLCA97481 ISSUE G0 (ENGLISH)

CALIFORNIA Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

If this product contains a gasoline engine:

WARNING

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

The State of California requires the above two warnings.

Additional Proposition 65 Warnings can be found in this manual.

Kemper
European Edition
LITHO IN U.S.A.



OMLCA97481

Introduction

Foreword

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 and safety signs on your machine may also be available in other languages (see your John Deere dealer to order).

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 the direction the implement will travel when going forward.

THE TERM "TRANSPORT" is used to refer to a corn head mounted on a combine and transported from A to B on the combine.

THE TERM "HAULAGE" is used to refer to a corn head loaded on a flat-bed carrier and hauled from A to B on the flat-bed carrier.

WRITE PRODUCT IDENTIFICATION NUMBERS (P.I.N.) in the Specification or Identification Numbers 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.

THIS CORN HEAD IS DESIGNED SOLELY for use in customary agricultural or similar operations ("INTENDED USE"). Use in any other way is considered as contrary to the intended use. The manufacturer accepts no liability for damage or injury resulting from this misuse, and these risks must be borne solely by the user. Compliance with and strict adherence to the conditions of operation, service and repair as specified by the manufacturer also constitute essential elements for the intended use.

THIS CORN HEAD SHOULD BE OPERATED, serviced and repaired only by persons familiar with all its particular characteristics and acquainted with the relevant safety rules (accident prevention). The accident prevention regulations, all other generally recognized regulations on safety and occupational medicine and the road traffic regulations must be observed at all times. Any arbitrary modifications carried out on this corn head will relieve the manufacturer of all liability for any resulting damage or injury.

If you are not the original owner of this machine, it is in your interest to contact your local John Deere dealer to inform them of this unit's serial number. This will help John Deere notify you of any issues or product improvements.

KM00321,0000335 -19-22JUN10-1/1

Contents

	Page		Page
Identification View		Operating Header	
Identification View.....	00- 1	General Information.....	40- 1
Corn Head Safety Features		Starting in the Field.....	40- 1
Corn Head Safety Features.....	05- 1	Adjust Corn Head Properly.....	40- 1
Safety	10- 1	Drive and Operate Carefully.....	40- 1
Safety Decals		StalkMaster™ Chopper.....	40- 2
Pictorial Safety Signs.....	15- 1	Corn Head Engage/Disengage Drive.....	40- 2
Operator's Manual.....	15- 1	Corn Head Drive Speeds.....	40- 2
Repair and Maintenance.....	15- 1	Combines With Fixed-Speed Feeder House....	40- 3
Chopper.....	15- 2	Harvesting Corn With Weakened or	
Corn Head.....	15- 2	Broken Stalks.....	40- 3
Corn Head Auger.....	15- 3	Harvesting Popcorn.....	40- 3
Outer Gatherer Extensions.....	15- 3	Gatherers.....	40- 3
Folding Area.....	15- 4	Raising and Removing Center	
Corn Head Foldable Frame.....	15- 4	Gatherer Shields and Points.....	40- 4
Corn Head.....	15- 5	Lowering ACTIVE HEADER	
Hydraulic System.....	15- 5	CONTROL Ground Sensors	
Haulage		(Optional).....	40- 5
Preparing the Corn Head for Haulage.....	20- 1	Raising and Tilting End Fenders and Points....	40- 6
Preparing the Corn Head		Ear Savers.....	40- 6
Unpacking.....	25- 1	Row Units.....	40- 6
Removing the Transport Pallet.....	25- 1	Stalk Rolls.....	40- 7
Attaching and Detaching		Hydraulic Adjustable Deck Plates.....	40- 7
Attaching Corn Head to Feeder House.....	30- 1	StalkMaster™ Chopping Gear Cases.....	40- 8
Detaching Corn Head from Feeder House.....	30- 4	Removing, Flipping, and Installing	
Single Point Latching—Adjusting.....	30- 5	StalkMaster™ Chopping Knife Blades.....	40- 9
Level Land Feeder House Lower End		Auger.....	40- 9
Cable—Adjusting.....	30- 7	Outer Gatherer Extensions.....	40-10
Feeder House Latching Pins (Cleanout).....	30- 7	Adjustments	
Feeder House Manual Unlatching.....	30- 7	Adjusting and Leveling Gatherer Points.....	45- 1
Latching Cable Shear Screw Location.....	30- 8	Adjusting Trash Knives.....	45- 2
Transport		Adjusting Gatherer Chain Tension.....	45- 3
Driving on Public Roads.....	35- 1	Adjusting Gatherer Chain Flights.....	45- 3
Lowering Outer Gatherer Extensions.....	35- 1	Adjusting Deck Plates.....	45- 4
Raising ACTIVE HEADER CONTROL		Adjusting Row Spacing.....	45- 5
Ground Sensors (Optional).....	35- 1	Adjusting Row Unit Drive Chain.....	45- 7
Folding the Corn Head.....	35- 2	Adjusting Row Unit Drive Sprockets	
Accident Prevention.....	35- 2	with (ONLY) Fixed Speed Drive	
		(Combines).....	45- 7
		Adjusting Auger.....	45- 8
		Coupling the Chain.....	45- 9
		Adjusting Auger Drive Chain.....	45- 9
		Lubrication	
		Corn Head Grease.....	50- 1

Continued on next page

Original Instructions. 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.

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	Page
Grease	50- 1
Lubricant Storage	50- 1
Alternative and Synthetic Lubricants	50- 1
Mixing of Lubricants	50- 2
Lubrication and Maintenance	
Lubrication Symbols	55- 1
Every 50 Hours of Operation	55- 1
Inspect and Adjust Chains - Every 200 Hours of Operation	55- 2
Every 200 Hours of Operation	55- 3
Every 1000 Hours of Operation	55- 7
Troubleshooting	
Troubleshooting	60- 1
ACTIVE HEADER CONTROL (AHC)	60- 3
Service	
Hydraulic Cylinder Safety Stop	65- 1
Remove and Install Stalk Rolls	65- 1
Reversing Gatherer Chains and Sprockets for Additional Wear	65- 4
Replacing Gatherer Chain	65- 4
Remove and Install Oil Pan	65- 5
Wear Strips	65- 6
Cleaning Corn Head	65- 6
Storage	
End of Season Service	70- 1
Beginning of Season Service	70- 1
Specifications	
Specifications	75- 1
Keep Proof of Ownership	75- 2
Keep Machines Secure	75- 2
Unified Inch Bolt and Screw Torque Values	75- 3
Metric Bolt and Screw Torque Values	75- 4
EC Declaration of Conformity	75- 5
Serial Number	
Corn Head Type Plate	80- 1
Serial Number	80- 1

Identification View

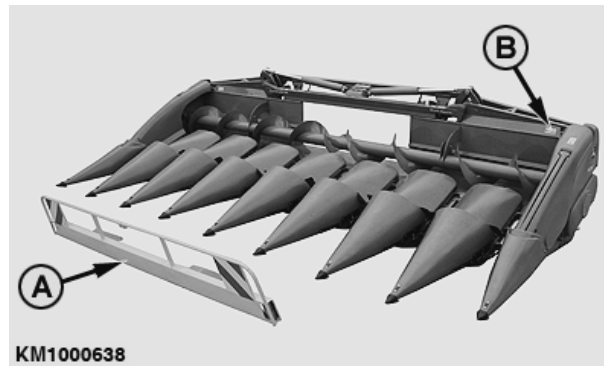
Identification View



KM00321,0000026 -19-24SEP08-1/1

Corn Head Safety Features

Corn Head Safety Features



A—Accident Prevention Device B—Safety Decals

In addition to the safety features shown here, safety signs on the corn head, and safety messages and instructions in the operator's manual contribute to the safe operation of

this corn head when combined with the care and concern of a capable operator.

KM00321,0000027 -19-29AUG08-1/1

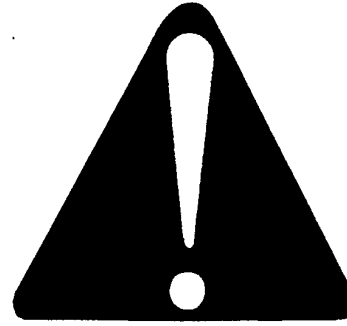
KM1000638 —UN—25SEP08

Safety

Recognize Safety Information

This is a 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.



T81389 —UN—07DEC88

DX,ALERT -19-29SEP98-1/1

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.

 **DANGER**

 **WARNING**

 **CAUTION**

TS187 —19—30SEP88

DX,SIGNAL -19-03MAR93-1/1

Observe Road Traffic Regulations

Always observe local road traffic regulations when using public roads.



H28930 —UN—30JUN89

FX,ROAD -19-01MAY91-1/1

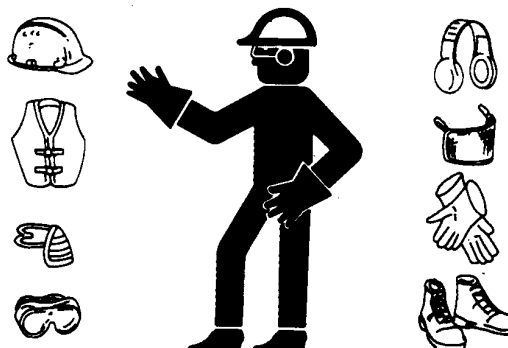
Wear Protective Clothing

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

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.

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



TS206 —UN—23AUG88

DX,WEAR -19-10SEP90-1/1

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.

There can be additional safety information contained on parts and components sourced from suppliers that is not reproduced in this operator's manual.

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.



TS201 —UN—23AUG88

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

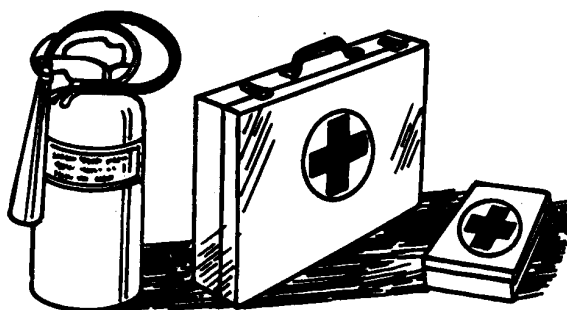
DX,READ -19-16JUN09-1/1

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.



TS291 —UN—23AUG88

DX,FIRE2 -19-03MAR93-1/1

Store Attachments Safely

Stored attachments such as dual wheels, cage wheels, and loaders can fall and cause serious injury or death.

Securely store attachments and implements to prevent falling. Keep playing children and bystanders away from storage area.



TS219 —UN—23AUG88

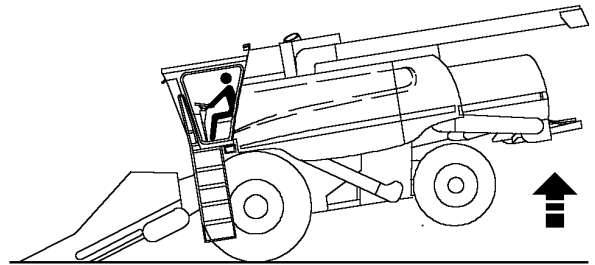
DX,STORE -19-03MAR93-1/1

Ballasting for Safe Ground Contact

Operating, steering and braking performance of combine can be considerably affected by heavy front end attachments which alter the center of gravity of the combine.

To maintain the necessary ground contact, ballast the combine at the rear end as necessary.

Observe the maximum permissible axle loads and total weights.



H51907 —UN—10FEB99

KM00321,0000024 -19-27AUG08-1/1

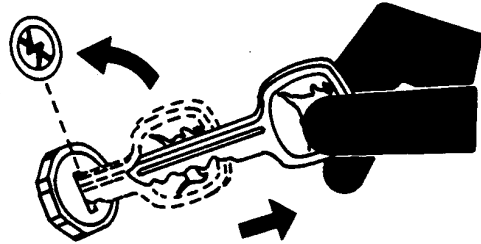
Parking and Leaving the Combine

Lower harvesting unit to the ground.

Before leaving the combine, disengage harvesting unit and separator. Shut off engine and move gear shift lever to neutral. Apply parking brake, remove key and lock the operator's cab.

Never leave combine unattended as long as engine is running.

Never leave the operator's cab when driving.



TS230 —UN—24MAY89

JK22594,00000E2 -19-15AUG06-1/1

Avoid Contact With Moving Parts

Keep hands, feet and clothing away from power driven parts. Never clean, lubricate or adjust machine when it is running.



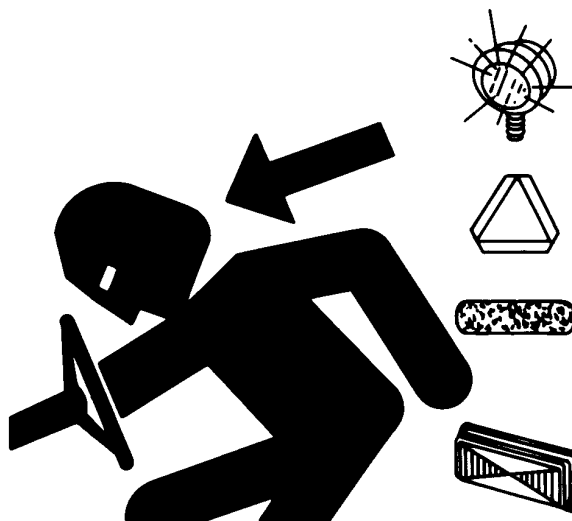
TS256 —UN—23AUG88

JK22594,00000E3 -19-15AUG06-1/1

Use Safety Lights and Devices

Prevent collisions between other road users, slow moving tractors with attachments or towed equipment, and self-propelled machines on public roads. Frequently check for traffic from the rear, especially in turns, and use turn signal lights.

Use headlights, flashing warning lights, and turn signals day and night. Follow local regulations for equipment lighting and marking. Keep lighting and marking visible, clean, and in good working order. Replace or repair lighting and marking that has been damaged or lost. An implement safety lighting kit is available from your John Deere dealer.



TS951 —UN—12APR90

DX,FLASH -19-07JUL99-1/1

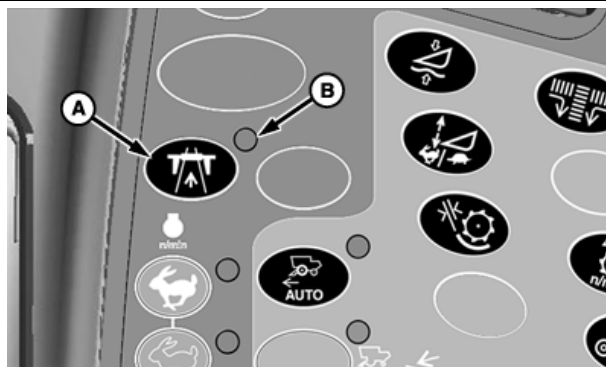
Road Transport Disconnect Switch (Black)

Road transport disconnect switch (A) must be in road position when transporting machine on roadway.

When road transport disconnect switch is pressed, indicator light (B) will turn ON indicating switch is in road position. Road transport disconnect switch will prevent the following functions:

- Header Height Resume
- Header Height Sensing
- CONTOUR MASTER
- Reel Raise/Lower and Reel Fore/Aft
- Unloading Auger
- Auger Swing
- Power Folding Auger (If Equipped)
- Separator Engage
- Header Engage
- Header Raise/Lower

To reengage functions for field operation, press road transport disconnect switch again and indicator light will



A—Road Transport Disconnect Switch B—Indicator Light

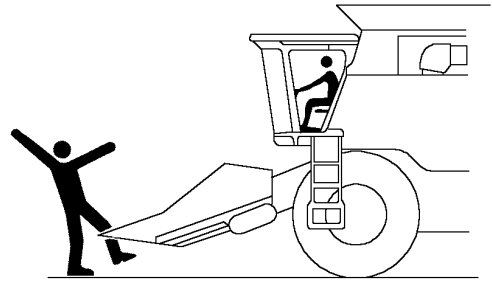
turn OFF allowing the desired function switches to operate again.

H86951 —UN—20NOV06

JK22594,00002B1 -19-31AUG07-1/1

Transport Combine with Corn Head Installed

Before driving combine on public roads, corn head must be raised and secured in the raised position. It must not, however, obstruct operator's view of the road.



KM1000636

KM1000636 —UN—26AUG08

KM00321,0000025 -19-01SEP08-1/1

Stay Clear of Header

Stalk rolls of the corn head, etc., cannot be completely shielded by constructional measures due to their function. Always stay clear of these moving elements during operation! Always disengage header drive, shut off the engine and remove key before servicing or unclogging header.



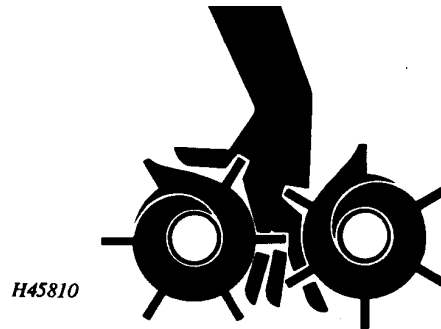
H42442

H42442 —UN—10JAN91

CRNHD,90SA,B -19-14AUG97-1/1

Avoid Entanglement

To avoid entanglement, do not feed crop material into machine by hand or attempt to manually unplug machine while it is running. The stalk rolls can feed the crop material in faster than you can release your grip on the material.



H45810

H45810 —UN—22JUL93

CRNHD,90SA,C -19-14AUG97-1/1

Stay Clear of Rotating Drivelines

Entanglement in backshaft rotating driveline can cause serious injury or death.

Keep driveline shields in place at all times.

Wear close fitting clothing. Stop the combine engine and be sure driveline is stopped before making adjustments, connections, or cleaning out header or its drive components.



TS1644—UN—22AUG95

OUC6035,000146A -19-30JUL01-1/1

Practice Safe Maintenance

Understand service procedure before doing work. Keep area clean and dry.

Never lubricate, service, or adjust machine while it is moving. Keep hands, feet, and clothing from power-driven parts. Disengage all power and operate controls to relieve pressure. Lower equipment to the ground. Stop the engine. Remove the key. Allow machine to cool.

Securely support any machine elements that must be raised for service work.

Keep all parts in good condition and properly installed. Fix damage immediately. Replace worn or broken parts. Remove any buildup of grease, oil, or debris.

On self-propelled equipment, disconnect battery ground cable (-) before making adjustments on electrical systems or welding on machine.

On towed implements, disconnect wiring harnesses from tractor before servicing electrical system components or welding on machine.



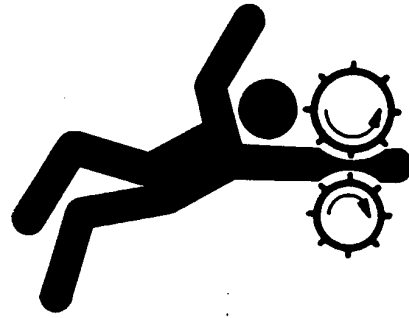
TS218—UN—23AUG88

DX,SERV -19-17FEB99-1/1

Service Machines Safely

Tie long hair behind your head. Do not wear a necktie, scarf, loose clothing, or necklace when you work near machine tools or moving parts. If these items were to get caught, severe injury could result.

Remove rings and other jewelry to prevent electrical shorts and entanglement in moving parts.



TS228 —UN—23AUG88

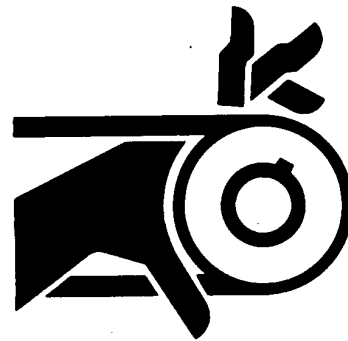
DX,LOOSE -19-04JUN90-1/1

Guards and Shields

Keep guards and shields in place at all times. Ensure that they are serviceable and installed correctly.

Always disengage main clutch, shut off engine and remove key before removing any guards or shields.

Keep hands, feet and clothing away from moving parts.



TS285 —UN—23AUG88

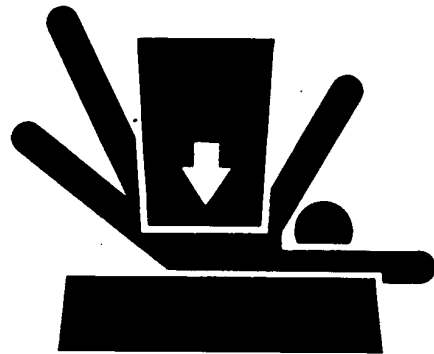
JK22594,00000E5 -19-15AUG06-1/1

Support Machine Properly

Always lower the attachment or implement to the ground before you work on the machine. If the work requires that the machine or attachment be lifted, provide secure support for them. If left in a raised position, hydraulically supported devices can settle or leak down.

Do not support the machine on cinder blocks, hollow tiles, or props that may crumble under continuous load. Do not work under a machine that is supported solely by a jack. Follow recommended procedures in this manual.

When implements or attachments are used with a machine, always follow safety precautions listed in the implement or attachment operator's manual.



TS229 —UN—23AUG88

DX,LOWER -19-24FEB00-1/1

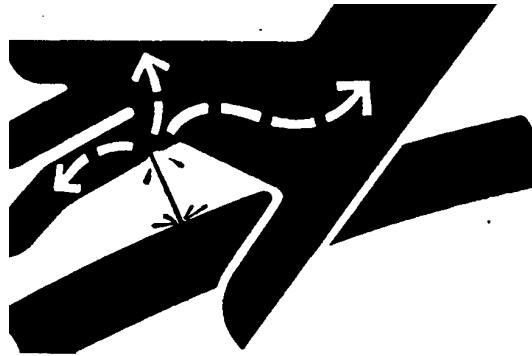
Avoid High-Pressure Fluids

Escaping fluid under pressure can penetrate the skin causing serious injury.

Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure.

Search for leaks with a piece of cardboard. Protect hands and body from high-pressure fluids.

If an accident occurs, see a doctor immediately. Any fluid injected into the skin must be surgically removed within a few hours or gangrene may result. Doctors unfamiliar with this type of injury should reference a knowledgeable medical source. Such information is available in English from Deere & Company Medical Department in



X9811 —UN—23AUG88

Moline, Illinois, U.S.A., by calling 1-800-822-8262 or +1 309-748-5636.

DX,FLUID -19-20AUG09-1/1

Remove Paint Before Welding or Heating

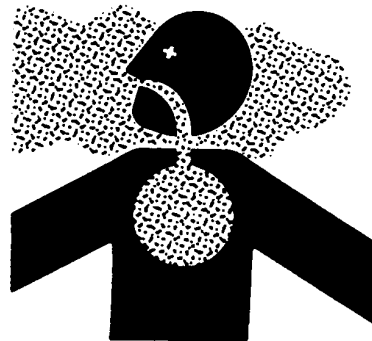
Avoid potentially toxic fumes and dust.

Hazardous fumes can be generated when paint is heated by welding, soldering, or using a torch.

Remove paint before heating:

- Remove paint a minimum of 100 mm (4 in.) from area to be affected by heating. If paint cannot be removed, wear an approved respirator before heating or welding.
- If you sand or grind paint, avoid breathing the dust. Wear an approved respirator.
- If you use solvent or paint stripper, remove stripper with soap and water before welding. Remove solvent or paint stripper containers and other flammable material from area. Allow fumes to disperse at least 15 minutes before welding or heating.

Do not use a chlorinated solvent in areas where welding will take place.



TS220 —UN—23AUG88

Do all work in an area that is well ventilated to carry toxic fumes and dust away.

Dispose of paint and solvent properly.

DX,PAINT -19-24JUL02-1/1

Avoid Heating Near Pressurized Fluid Lines

Flammable spray can be generated by heating near pressurized fluid lines, resulting in severe burns to yourself and bystanders. Do not heat by welding, soldering, or using a torch near pressurized fluid lines or other flammable materials. Pressurized lines can accidentally burst when heat goes beyond the immediate flame area.



TS953 —UN—15MAY90

DX,TORCH -19-10DEC04-1/1

Dispose of Waste Properly

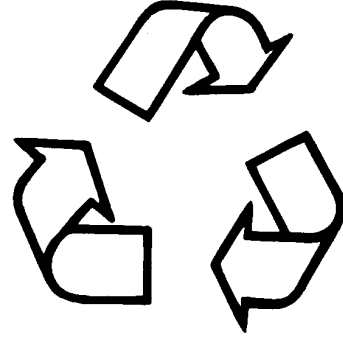
Improperly disposing of waste can threaten the environment and ecology. Potentially harmful waste used with John Deere equipment include such items as oil, fuel, coolant, brake fluid, filters, and batteries.

Use leakproof containers when draining fluids. Do not use food or beverage containers that may mislead someone into drinking from them.

Do not pour waste onto the ground, down a drain, or into any water source.

Air conditioning refrigerants escaping into the air can damage the Earth's atmosphere. Government regulations may require a certified air conditioning service center to recover and recycle used air conditioning refrigerants.

Inquire on the proper way to recycle or dispose of waste from your local environmental or recycling center, or from your John Deere dealer.



TS1133 —UN—26NOV90

DX,DRAIN -19-03MAR93-1/1

Replace Safety Signs

Replace missing or damaged safety signs. See the machine operator's manual for correct safety sign placement.



TS201 —UN—23AUG88

DX,SIGNS1 -19-04JUN90-1/1

Safety Decals

Pictorial Safety Signs

At several important places on this machine, safety signs are affixed intended to signify potential danger. The hazard is identified by a pictorial in a warning triangle. An adjacent pictorial provides information how to avoid personal injury. These safety signs, their placement on the machine and a brief explanatory text are shown below.

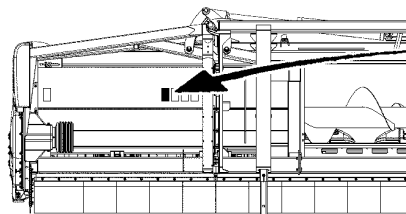


TS231 —19—07OCT88

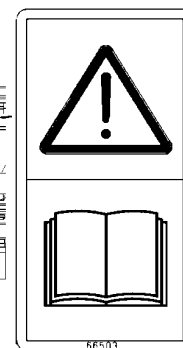
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Operator's Manual

This operator's manual contains all important information necessary for safe machine operation. Carefully observe all safety rules to avoid accidents.



KM1000639

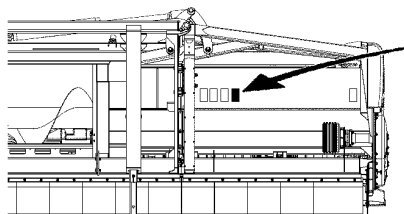


KM1000639 —UN—28AUG08

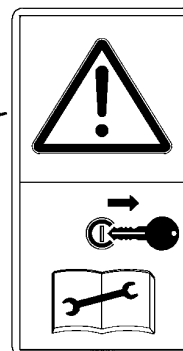
KM00321,0000028 -19-28AUG08-1/1

Repair and Maintenance

Before carrying out repair and maintenance work, shut off engine and remove key.



KM1000640



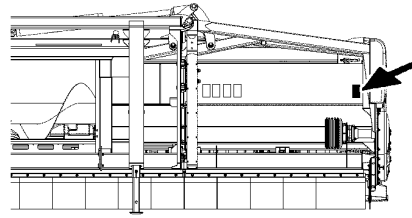
KM1000640 —UN—28AUG08

KM00321,0000029 -19-28AUG08-1/1

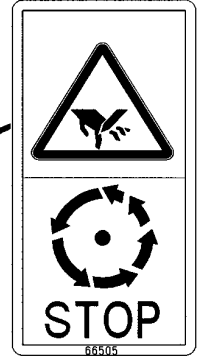
Chopper

Do not touch any moving machine parts. Wait until all moving parts have stopped.

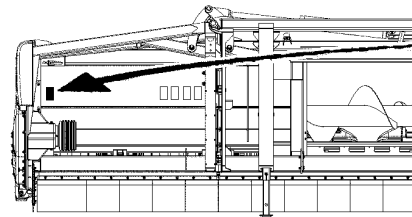
The rotating blades are not immediately stopped when the machine is shut down.



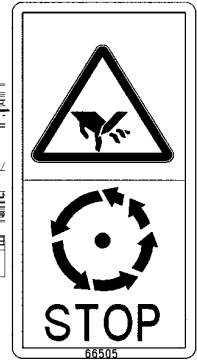
KM1000641



KM1000641 —UN—28AUG08



KM1000642



KM1000642 —UN—28AUG08

KM00321,000002A -19-28AUG08-1/1

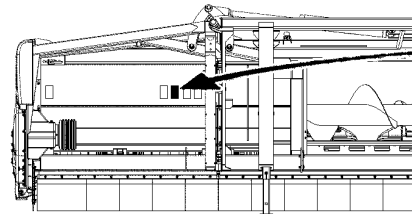
Corn Head

Stay clear of rotating parts to avoid personal injury.

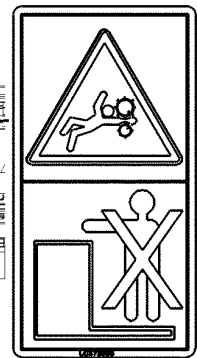
Arms, legs or loose clothing might become caught by the rotating parts when in operation.

Always keep the required safety distance from the rotating parts.

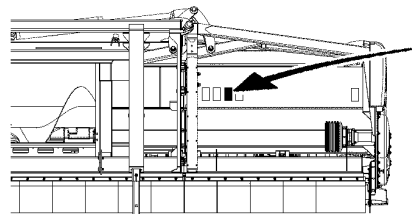
Wait until all moving parts have stopped.



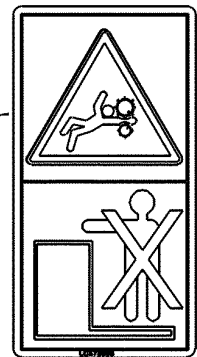
KM1000644



KM1000644 —UN—28AUG08



KM1000645

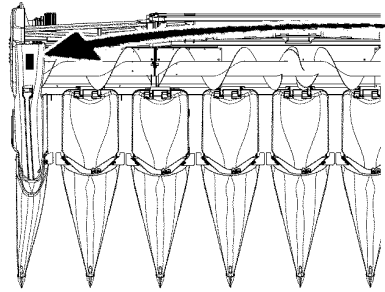


KM1000645 —UN—28AUG08

KM00321,000002B -19-28AUG08-1/1

Corn Head Auger

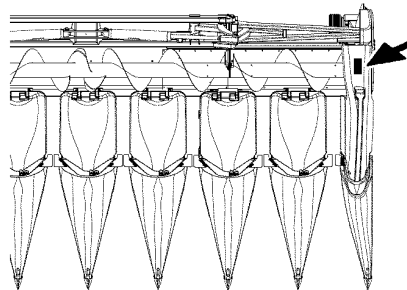
DANGER - Stay clear of corn head. Disengage corn head drive, shut off engine and remove key before servicing or unclogging header.



KM1000652



KM1000652 —UN—28AUG08



KM1000653

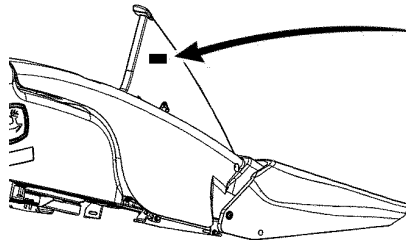


KM1000653 —UN—28AUG08

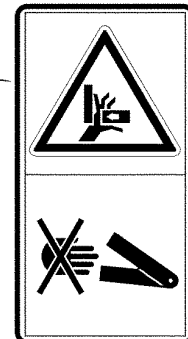
KM00321,000002C -19-28AUG08-1/1

Outer Gatherer Extensions

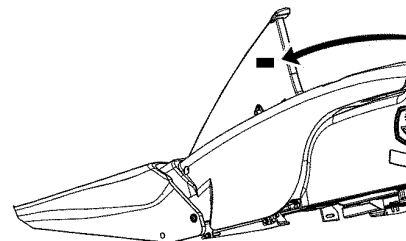
Do not reach into the crushing danger area when raising or lowering outer gatherer extensions.



KM1001222



KM1001222 —UN—07JUL10



KM1001228



KM1001228 —UN—09JUL10

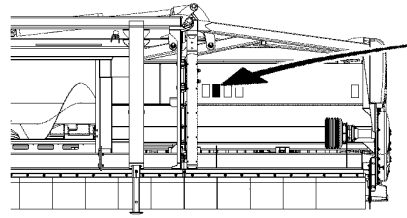
KM00321,0000337 -19-09JUL10-1/1

Folding Area

Stay clear of the folding area of the corn head.

When folding or unfolding the corn head, ensure that no persons are standing within the folding area.

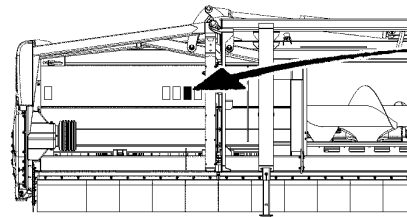
Before folding or unfolding, ensure that all persons keep the required safety distance from the corn head.



KM1000646



KM1000646 —UN—28AUG08



KM1000647

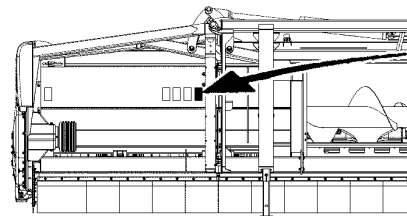


KM1000647 —UN—28AUG08

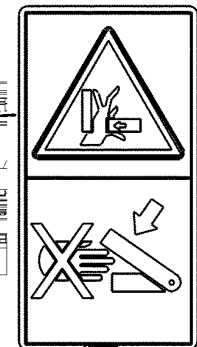
KM00321,000002D -19-28AUG08-1/1

Corn Head Foldable Frame

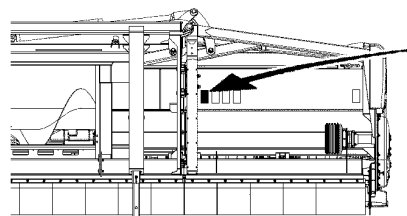
Never reach into the crushing danger area as long as the outer end sections may move.



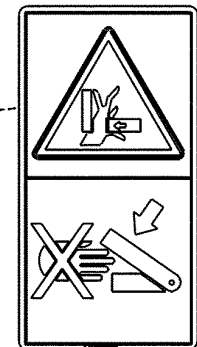
KM1000648



KM1000648 —UN—28AUG08



KM1000649

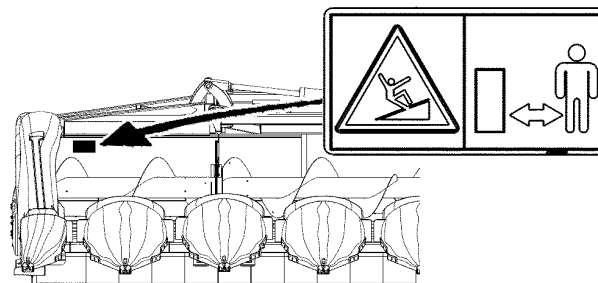


KM1000649 —UN—28AUG08

KM00321,000002E -19-03SEP08-1/1

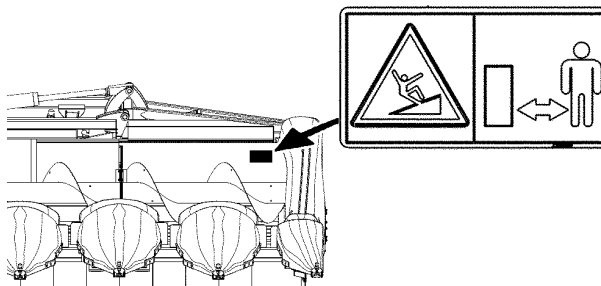
Corn Head

DANGER - Stay clear of header. Disengage header drive, shut off engine and remove key before servicing or unclogging header.



KM1000650

KM1000650 —UN—28AUG08



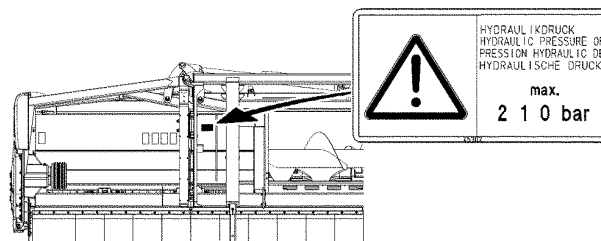
KM1000651

KM1000651 —UN—28AUG08

KM00321,0000122 -19-09MAR09-1/1

Hydraulic System

The hydraulic pressure must not exceed 21000 kPa (210 bar; 3046 psi).



KM1000654

KM1000654 —UN—28AUG08

KM00321,0000030 -19-28AUG08-1/1

Haulage

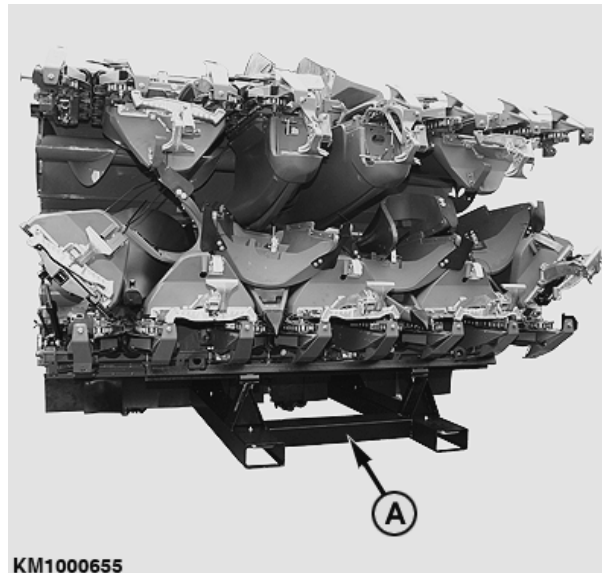
Preparing the Corn Head for Haulage

Whenever the corn head is hauled separately on a flatbed carrier, always fit the transport pallet (A) supplied!

After the transport pallet (A) is fitted, the corn head can be loaded with a fork lift.

⚠ CAUTION: Make sure that fork lift meets the weight requirements of the corn head (see "Specifications" Section.)

A—Transport pallet



KM1000655

KM1000655 —UN—25SEP08

KM00321.0000031 -19-29AUG08-1/1

Preparing the Corn Head

Unpacking

As soon as packaging material is removed, check the unit for any damage that might have been incurred during transport.

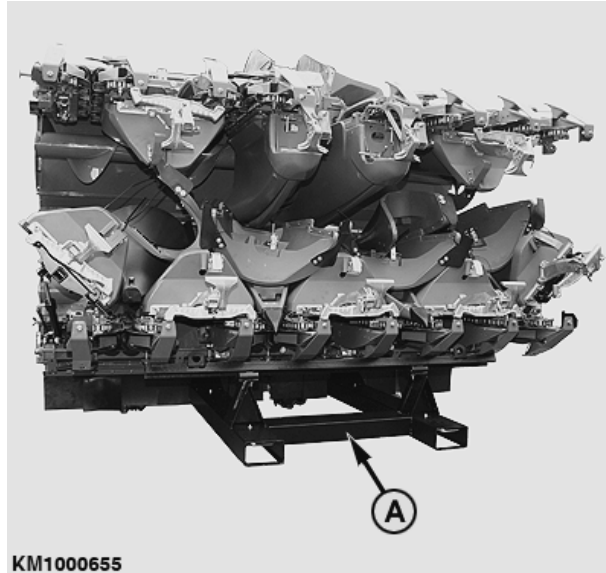
KM00321,0000038 -19-01SEP08-1/1

Removing the Transport Pallet

Remove the transport pallet (A).

NOTE: Retain the transport pallet (A) and give it to the customer. It will always be required if the corn head is transported separately in order to prevent damage to the machine.

A—Transport pallet



KM1000655

KM1000655 —UN—25SEP08

KM00321,0000032 -19-29AUG08-1/1

Attaching and Detaching

Attaching Corn Head to Feeder House

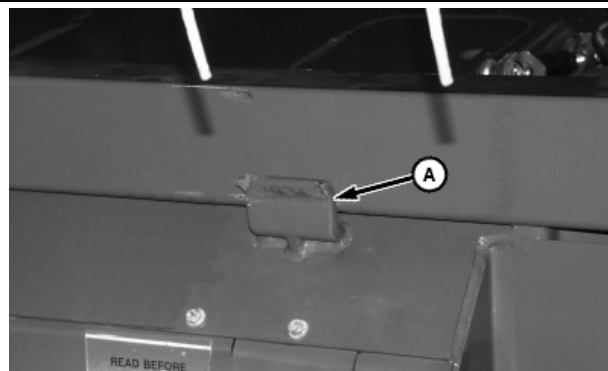
IMPORTANT: See your combine operator's manual for specific tires required when operating the header.

Latch pins are not to be actuated with header on the ground. If multi-coupler must be actuated with header on ground, unhook cable from handle.

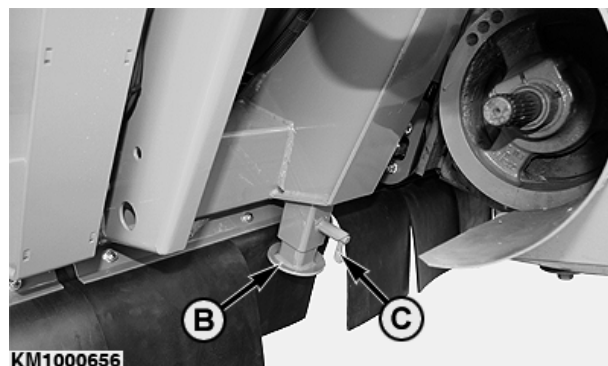
1. Sound horn, start engine and lower feeder house.
2. Drive combine slowly forward until feeder house is centered in attachment frame opening.
3. Raise corn head completely, making sure two hooks (A) on feeder house catch front side of main frame beam of corn head.
4. Set parking brake, shut off engine, remove key and lower safety stop.
5. Lock jackstands (B) on the right and left side in the highest position. To do this, pull out spring-loaded pin (C) and let it re-engage when the jackstand is in its final position.

A—Hook (2 on feeder house)
B—Jackstand

C—Spring-loaded Pin



H70033 —UN—19SEP01



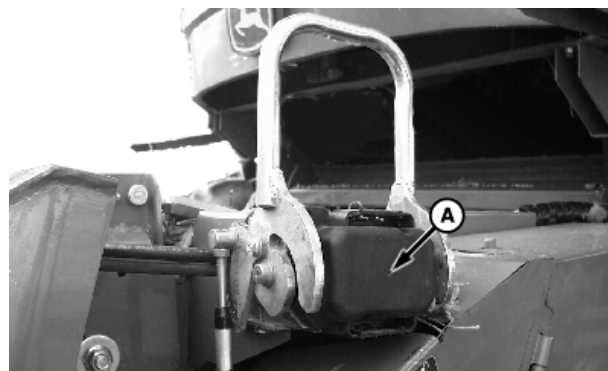
KM1000656 —UN—29AUG08

KM00321.0000336 -19-22JUN10-1/7

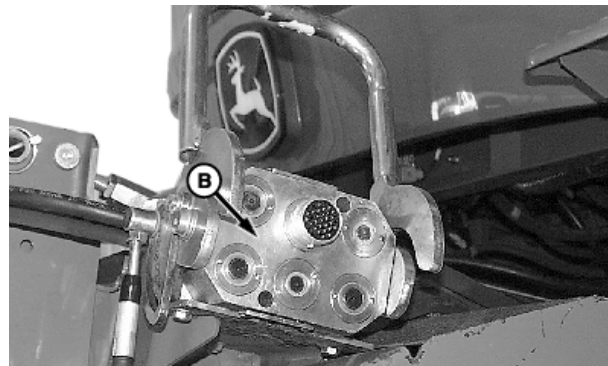
6. Remove cover (A) and clean multi-coupler face (B).

A—Cover

B—Multi-coupler Face



H74036 —UN—19NOV02



H74037 —UN—05NOV02

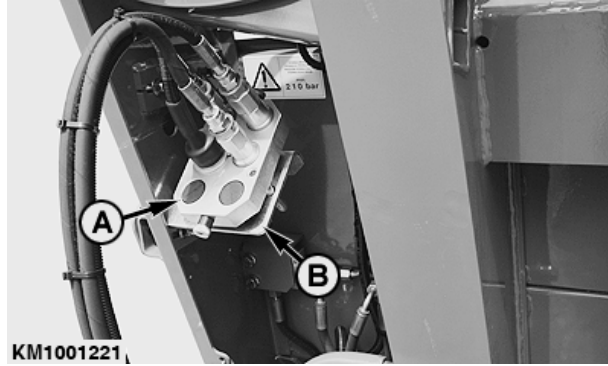
Continued on next page

KM00321.0000336 -19-22JUN10-2/7

7. Remove multi-coupler (A) from storage bracket (B).

A—Multi-coupler

B—Storage bracket



KM1001221 —UN—09JUL10

KM00321,0000336 -19-22JUN10-3/7

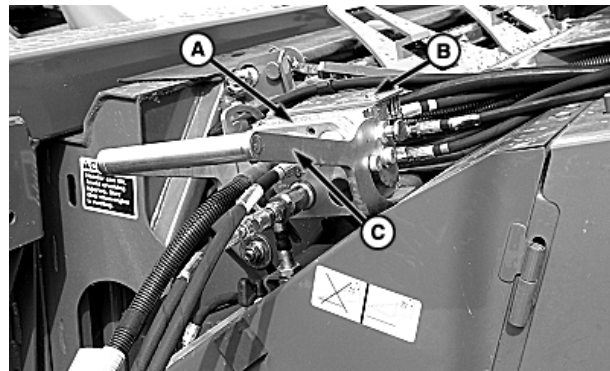
NOTE: To prevent damage to latching cable, a shear screw is attached to the handle. Attempts to actuate latching pins with header on ground will shear the screw on the handle. (See Extra Shear Screw Location later in this section.)

With header attached, latch pins should move freely through latch plate holes. If latch pins do not extend through the latch plates, make sure that the latching plates on the header are properly adjusted.

8. Install multi-coupler (A) onto receptacle (B) and close handle (C).

A—Multi-coupler
B—Receptacle

C—Handle



H82284 —UN—20JUL07

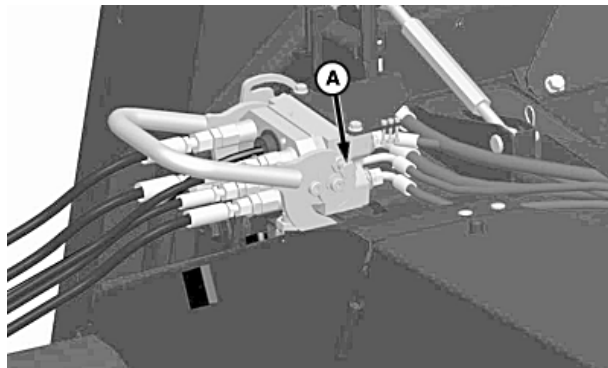
KM00321,0000336 -19-22JUN10-4/7

Button Lock Multi-Couplers

IMPORTANT: Failure to close multi-coupler fully so button lock can engage could result in the header falling off while harvesting or transporting.

1. When multi-coupler handle is fully closed, button lock (A) will automatically lock couplers together.

A—Button Lock



H82373 —UN—07FEB05

Button Lock Equipped Latch

Continued on next page

KM00321,0000336 -19-22JUN10-5/7

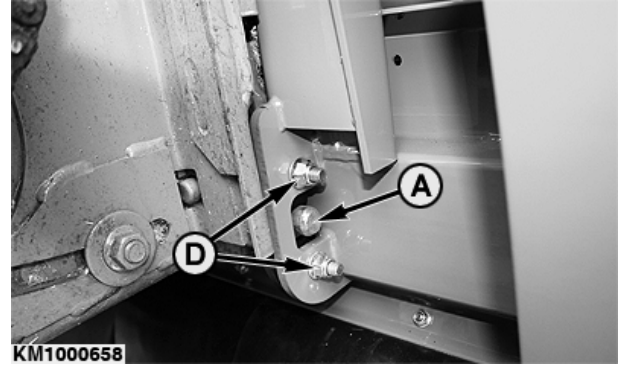
2. Latch pins (A) should move freely through latch plate holes (B) in header when multi-coupler is latched. This may require latch plate (C) to be adjusted.
3. **If adjustment is needed:** Loosen nuts (D) and align latch plate (C).
4. Tighten nuts (D) to M12 specification.

Specification

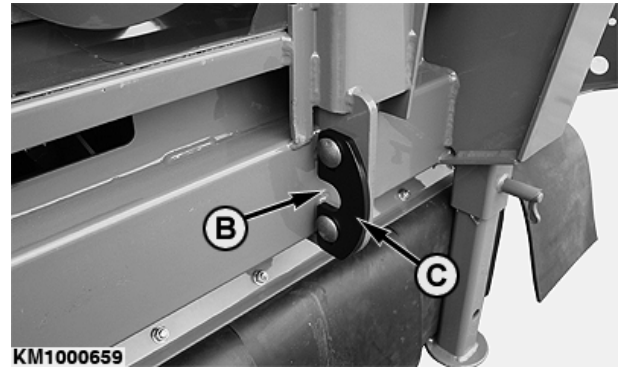
M12 Cap
Screws—Torque.....130 N·m
(96 lb·ft)

A—Latch Pin
B—Latch Plate Hole

C—Latch Plate
D—Nuts



KM1000658 —UN—29AUG08



KM1000659 —UN—29AUG08

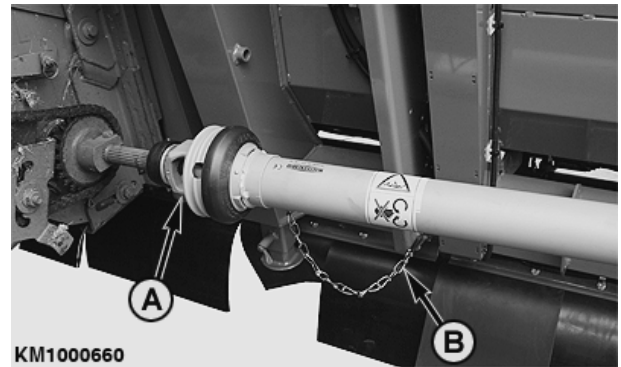
KM00321,0000336 -19-22JUN10-6/7

5. Remove drive shafts (A) on right and left side from storage position and install onto feeder house backshaft, making sure quick-attach collar locks fully.
6. Secure shield of drive shaft (A) with safety chain (B) against rotating.

IMPORTANT: Drive shafts on right and left side are different. Make sure that drive shafts are always installed on the corresponding side.

A—Drive Shaft

B—Safety Chain



KM1000660 —UN—25SEP08

KM00321,0000336 -19-22JUN10-7/7

Detaching Corn Head from Feeder House

CAUTION: Do not leave drive shafts on combine. Personal injury or machine damage may occur if feeder house is accidentally engaged.

1. Disconnect drive shafts from feeder house at the quick disconnect coupler (A) on l.h. and r.h. side of feeder house.
2. Place drive shafts in storage position (B).

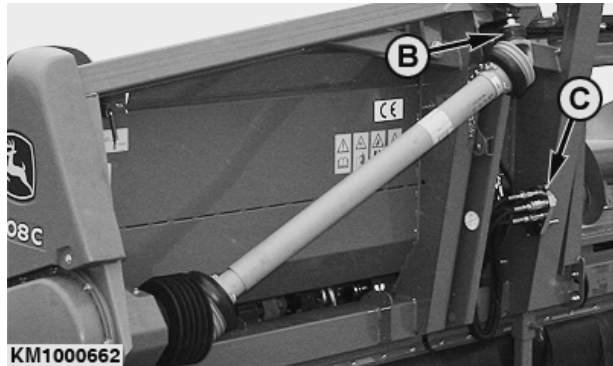
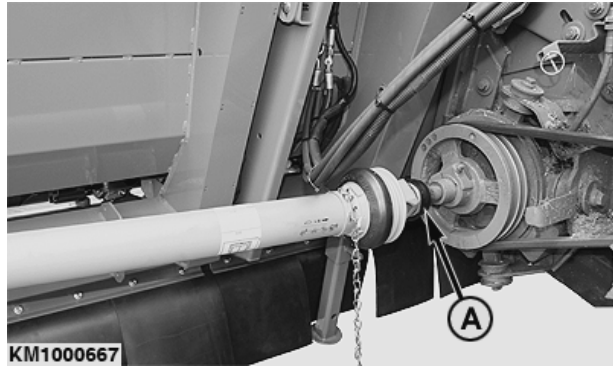
IMPORTANT: Latch pins are not to be actuated with header on the ground. If multi-coupler must be actuated with header on ground, unhook cable from handle.

NOTE: Latch pins should be fully retracted when handle is all the way up against the stop. Adjust cable mounting if latch pins are not fully retracted (see Single Point Latching—Adjusting).

3. Raise handle to disconnect multi-coupler.
4. Disconnect multi-coupler from combine and place in storage position (C).

A—Quick Disconnect Coupler
B—Storage Position

C—Multi-coupler Storage Position



KM1000667 —UN—25SEP08

KM1000662 —UN—25SEP08

KM00321,0000034 -19-01SEP08-1/2

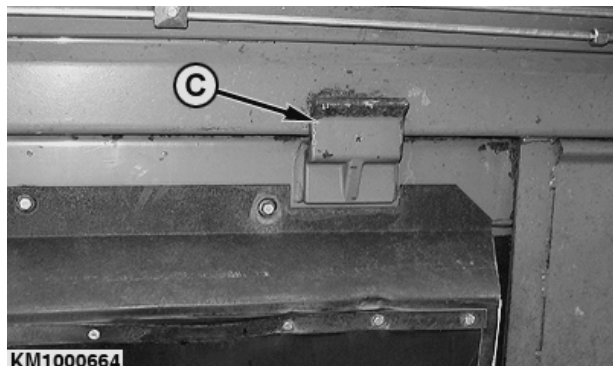
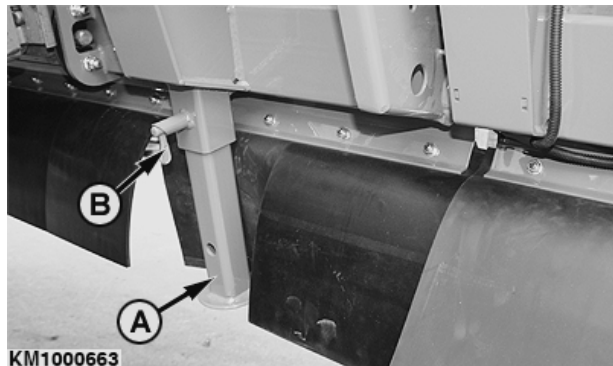
5. Lower the corn head to the ground.
6. Shut off the combine's engine, remove the key from the ignition and apply the parking brake.

NOTE: Leave the corn head standing at a height that allows the header to be re-attached to a combine at a later time. Never select a height that is too low.

7. At left and right, lower jackstands (A) and lock them at a suitable height. To do this, pull out spring-loaded pin (B) and let it re-engage when the jackstand is at the correct height.
8. Sound horn, start engine, lower feeder house until hooks (C) are below top beam of head, and drive combine slowly rearward.

A—Jackstand
B—Spring-loaded Pin

C—Hooks (2 on feeder house)



KM1000663 —UN—25SEP08

KM1000664 —UN—25SEP08

KM00321,0000034 -19-01SEP08-2/2

Single Point Latching—Adjusting

NOTE: CONTOUR MASTER Feeder House: Adjustments should only be made to cable at multi-coupler handle.

Level Land Feeder House: Adjustments should only be made to cable at multi-coupler handle, unless cable is not centered at lower end (latch pin location). See Level Land Feeder House Lower End Cable—Adjusting.

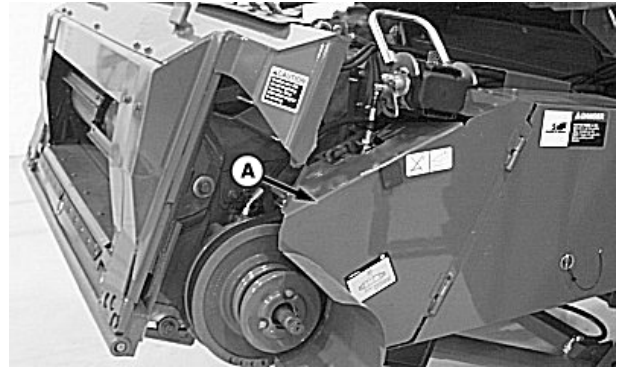
1. Open left-hand feeder house shield (A).
2. Loosen cable jam nuts (B).

IMPORTANT: Verify handle is against stop on multi-coupler. Failure to verify handle is against the stop will result in inaccurate pin dimensions and could result in the header falling off while harvesting or transporting.

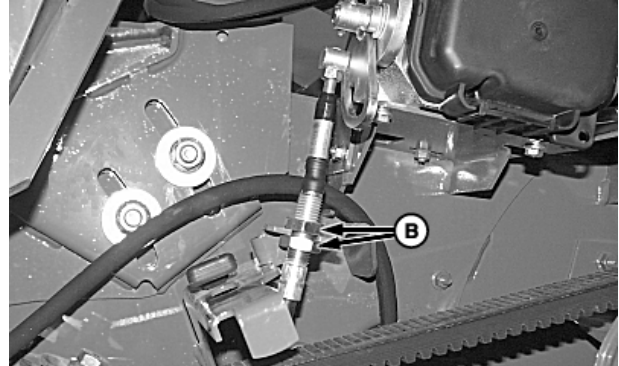
3. Rest multi-coupler handle against stop.

A—Shield

B—Jam Nuts



H78649 —UN—17OCT03



H78650 —UN—17OCT03

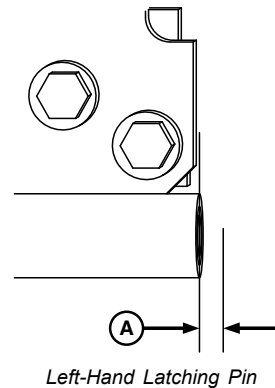
JK22594,0000094 -19-27JUL06-1/4

NOTE: Moving cable “up” in bracket pulls pin farther in.

Moving cable “down” in bracket pushes pin farther out.

4. Adjust cable in bracket as needed for proper pin adjustment:
 - Left-hand latching pin should be flush to +/- 2 mm (A).

A—Dimension



H79344 —UN—10DEC03

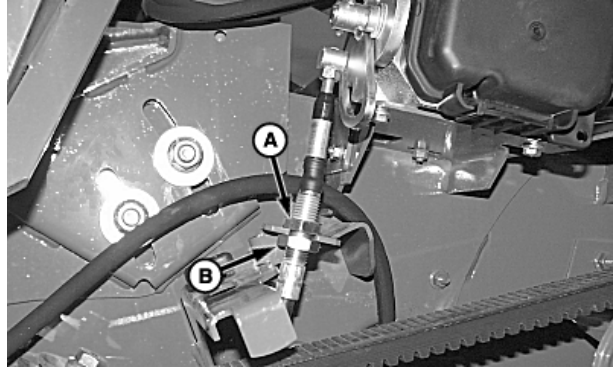
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JK22594,0000094 -19-27JUL06-2/4

5. Hold bottom jam nut (B) and tighten top jam nut (A).

A—Top Jam Nut

B—Bottom Jam Nut



H81289—UN—23JUN04

JK22594,0000094 -19-27JUL06-3/4

IMPORTANT: Failure to verify pins are set to specified dimensions and could result in the header falling off while harvesting or transporting.

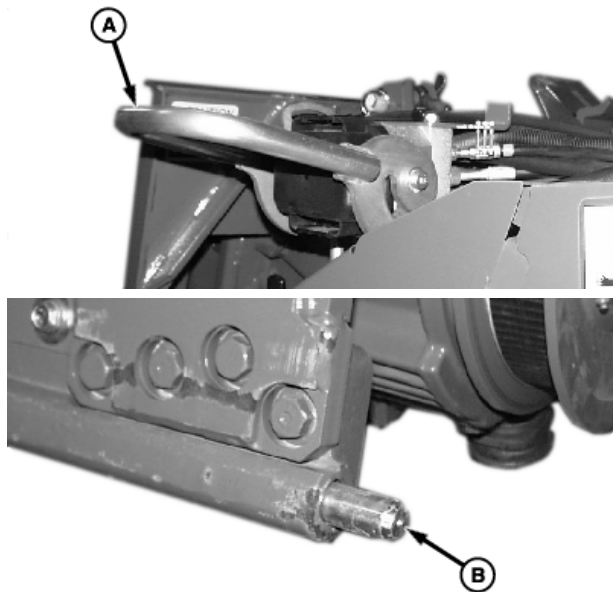
6. Fully lower multi-coupler handle (A) and verify pins (B) (both sides) are set to specification. Readjust if not set to specification.

Specification

Feeder House
Pins—Distance.....45 — 52 mm
(1-3/4 in. — 2 in.)

A—Multi-coupler Handle

B—Pins



H81287—UN—23JUN04

H81288—UN—23JUN04

JK22594,0000094 -19-27JUL06-4/4

Level Land Feeder House Lower End Cable—Adjusting

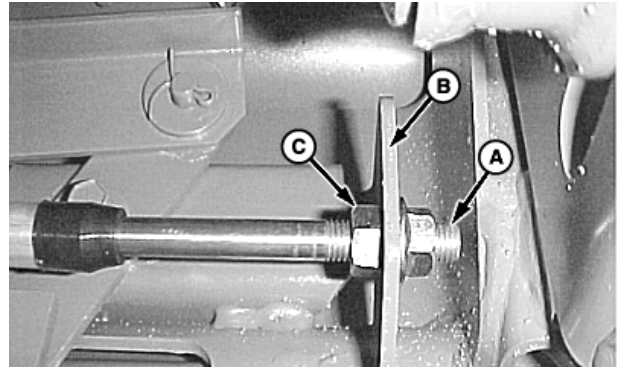
Adjustments should be made to the lower end of the latching cable if the threads (A) are not centered in the bracket (B).

Loosen jam nuts (C) and adjust cable so that threads are centered in bracket.

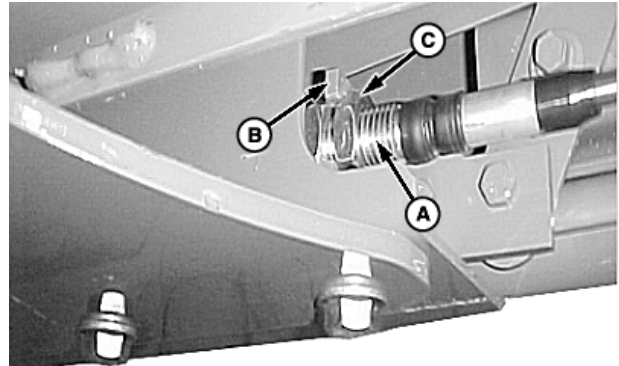
Tighten jam nuts.

A—Threads
B—Bracket

C—Jam Nuts



H79380 —UN—10DEC03



H79389 —UN—10DEC03

MH81805,0000700 -19-17MAR05-1/1

Feeder House Latching Pins (Cleanout)

If latch pins are hard to move, remove cap screws (A) and cleanout pin area. It may be necessary to fully tilt the feeder house frame in order to access these cap screws.

A—Cap Screw



H74309 —UN—18NOV02

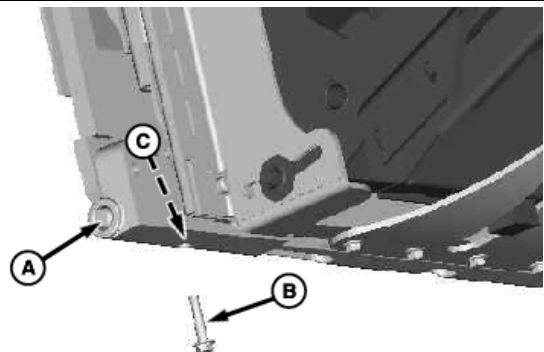
MH81805,0000701 -19-17MAR05-1/1

Feeder House Manual Unlatching

To remove header if shear screw should fail, push latching pins (A) through latch plates and install M12 cap screw (B) in hole (C). Repeat on opposite side.

A—Latching Pins
B—Cap Screw

C—Hole



H74310 —UN—18NOV02

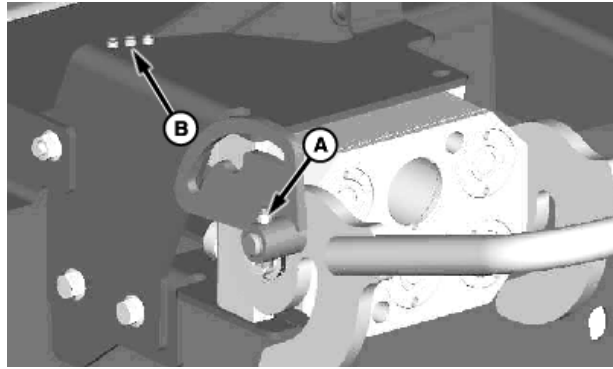
MH81805,0000702 -19-17MAR05-1/1

Latching Cable Shear Screw Location

If shear screw (A) should break, remove and replace with extra shear screw (B). Three extra shear screws have been provided.

A—Shear Screw

B—Extra Shear Screws



H74311 —UN—25NOV02

MH81805,0000703 -19-17MAR05-1/1

Transport

Driving on Public Roads

CAUTION: When driving on public roads or highways at night or during the day, observe local traffic regulations regarding warning devices, lighting and safety. See also the "Safety" section.

IMPORTANT: Refer to the relevant combine Operator's Manual to meet local government regulations when driving combine on public road.

If the corn head is to be transported, fold it first.

KM00321,0000035 -19-01SEP08-1/1

Lowering Outer Gatherer Extensions

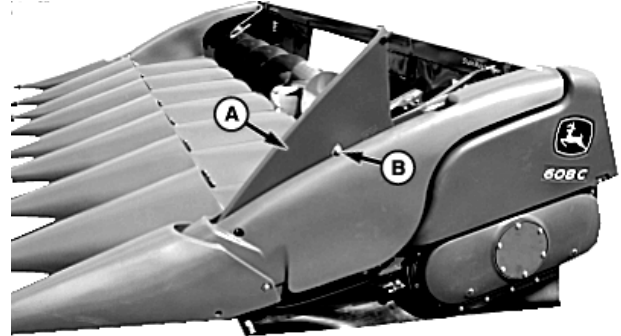
CAUTION: Extensions (A) are spring-loaded. Pay extreme attention when raising or lowering extensions to prevent risk of crushing.

Outer gatherer extensions (A) must be lowered when folding corn head.

To lower extension push pin (B) in and lower extension.

A—Extensions

B—Pin



H89215 —UN—23JUL07

KM00321,0000123 -19-09MAR09-1/1

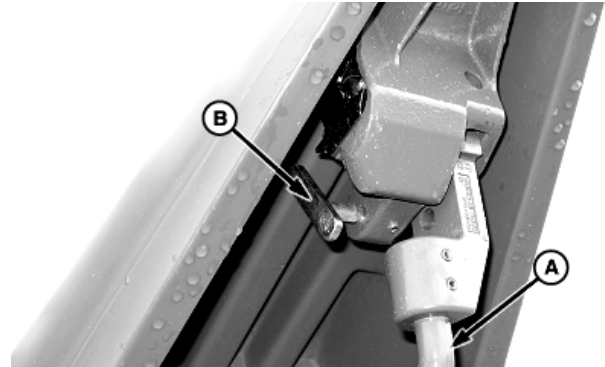
Raising ACTIVE HEADER CONTROL Ground Sensors (Optional)

IMPORTANT: If equipped with ACTIVE HEADER CONTROL (AHC) ground sensors, the sensors must be placed in storage position to prevent equipment damage when folding corn head.

Rotate sensor arm (A) up into storage position and retain with storage lock pin (B).

A—Sensor Arm

B—Storage Lock Pin



H89282 —UN—14JAN09

KM00321,0000124 -19-09MAR09-1/1

Folding the Corn Head

CAUTION: Risk of **SERIOUS** injury! Before initiating the "Folding corn head" function, make sure that no-one is standing near the header.

IMPORTANT: The drive shafts have to be detached and placed in their storage position before folding the corn head.

Push and hold the right side of switch (A) to fold the corn head, push and hold the left side of switch (A) to unfold the corn head.

A—Reel Switch



KM1000665

KM1000665 —UN—25SEP08

KM00321,0000036 -19-03SEP08-1/1

Accident Prevention

When driving on public roads the entire area around the gatherer points must be covered with an accident prevention device (A).

Accident Prevention Device (A) Assembly Sequence:

1. After all moving parts have come to a complete standstill, fold up the outer end sections.
2. Use the two enclosed bolts to attach the accident prevention device (A) to the gatherer points.



KM1000666

KM1000666 —UN—25SEP08

Side Lamps and Indicators:

As the side lamps and indicators on the combine are usually covered by the outer end sections in raised position, the accident prevention device features two duplicated position lamps/indicators (B). For the 12 V power supply use the 7-pole plug located on the right-hand side of the combine.

A—Accident Prevention Device B—Position Lamps/Indicators

Ground Clearance:

When driving on public roads the corn head must be raised so that the front accident prevention device (A) is approx. 300 mm (1 ft) above the ground surface.

KM00321,0000037 -19-03SEP08-1/1

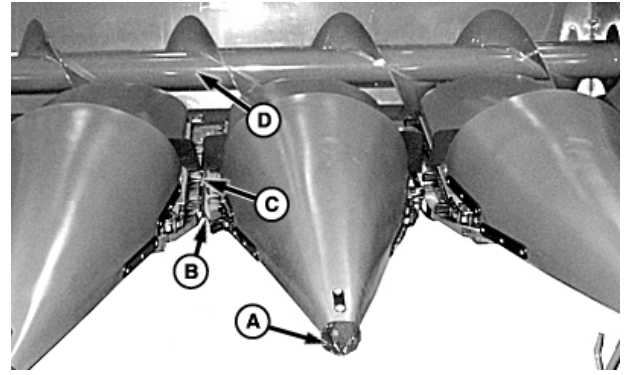
Operating Header

General Information

The gatherer points (A) are positioned between the rows of corn. Stalk rolls (B) grab the corn stalks and pull them rapidly down between the rolls.

When an ear of corn reaches the deck plate, the ear is prevented from going through because of the narrow opening. The stalk rolls continue to pull on the stalk and snap the ear free of the stalk.

Gatherer chains (C) catch the ears and carry them to an auger (D) which delivers the ears to the feeder conveyor. The feeder conveyor delivers the ears to the threshing cylinder.



H89415—UN—01AUG07

A—Gatherer Point
B—Stalk Rolls

C—Gatherer Chain
D—Auger

JK22594,000023F -19-01AUG07-1/1

Starting in the Field

Operate the combine in a lower gear until you become familiar with the corn head.

After making several rounds, stop the corn head and shut off engine and remove key. Check all bearings for heating. All bolts must be tight and chains properly adjusted.

MH81805,0000708 -19-17MAR05-1/1

Adjust Corn Head Properly

After making several rounds, check adjustments on corn head and combine. (See "ADJUSTMENTS").

MH81805,0000709 -19-17MAR05-1/1

Drive and Operate Carefully

Drive carefully so the corn head will stay on the rows. Never force the corn head or combine to the point of overloading. Overloading can cause breakdowns. Start out in a lower gear and increase speed until you find the proper ground speed at which to operate.

Listen for slipping clutches or other unusual noises. If the corn head becomes plugged, clean it out by keeping

engine at operating speed, but decrease ground speed until header has been cleared.

IMPORTANT: The forward movement of the combine must be approximately the same as the rearward movement of the gathering chain flights or plugging can result.

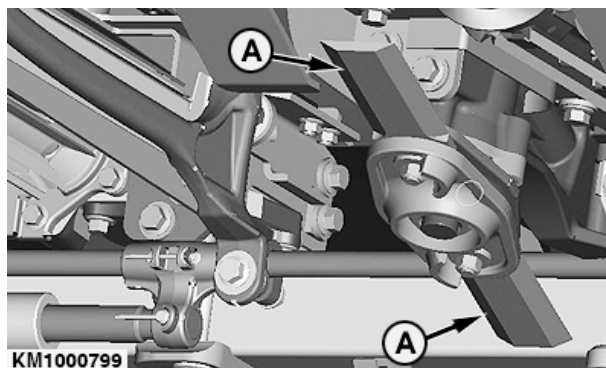
MH81805,000070A -19-17MAR05-1/1

StalkMaster™ Chopper

CAUTION: StalkMaster chopping knives (A) can throw stones and foreign bodies!

To avoid injury or death, always keep the required safety distance from the corn head.

A—Chopping Knives



KM1000799

KM1000799 —UN—09MAR09

StalkMaster is a trademark of Deere & Company

KM00321,0000125 -19-09MAR09-1/1

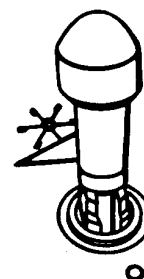
Corn Head Engage/Disengage Drive

NOTE: To engage the header, operator must be in the operator seat before engaging the separator and head switches.

To engage header.

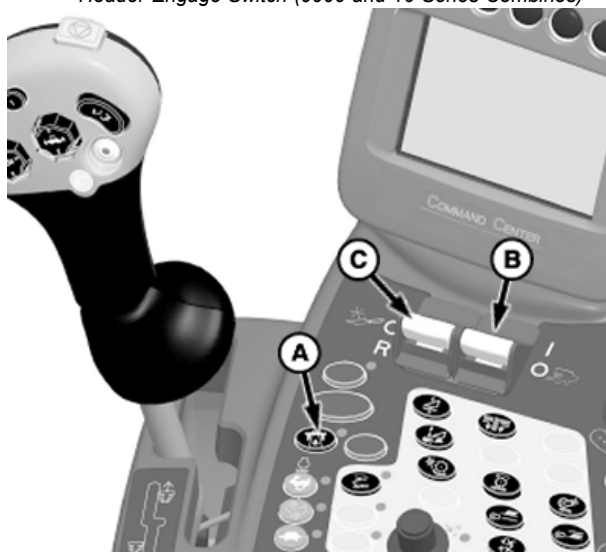
- Switch road transport disconnect switch (A) to field position.
- Engage separator switch (B).
- Engage header switch (C)

A—Road Transport Disconnect Switch
B—Separator Engage Switch
C—Header Engage Switch



H43694

Header Engage Switch (9000 and 10 Series Combines)



70 Series Shown

H43694 —UN—06AUG91

H89636 —UN—15AUG07

GENERIC,0000008 -19-20MAY08-1/1

Corn Head Drive Speeds

Forward combine travel must be close to the same as rearward movement of gathering chain flights.

If ground speed is too fast, gathering chains will push stalks forward and knock off ears. If ground speed is too slow, gathering chains will jerk stalks back into the corn head, possibly shearing off stalks or knocking off ears.

MH81805,000070C -19-17MAR05-1/1

Combines With Fixed-Speed Feeder House

Refer to adjustments Section for modifying header speed on fixed speed feeder house combine.

JK22594,0000241 -19-20JUL07-1/1

Harvesting Corn With Weakened or Broken Stalks

Stalks and ears can be weakened by disease (stalk rot) or insects (corn borers), causing them to break off near the ground when contacted by corn head divider points and gatherer shields. This material is pushed into piles that prevent stalks from contacting the stalk rolls. Crop is lost and harvesting productivity is reduced when this occurs.

The following is a list of possible solutions to these problems.

- Reduce combine ground speed
- Increase corn head speed with the variable speed feeder house
- Adjust deck plates as wide as possible without allowing ears to contact the stalk rolls
- Remove ear savers
- Replace stalk rolls if flutes are badly worn

NS43404,0000046 -19-19MAY08-1/1

Harvesting Popcorn

- Adjust deck plates as close as possible
- Check combine operator's manual for correct settings

- Raise cross auger so the largest diameter ear passes between flighting and floor without contact
- Decrease header backshaft speed

OUO6043,0001C82 -19-03JAN08-1/1

Gatherers

For most conditions, operate front of gatherer points just touching the ground.

In muddy conditions, or in snow, raise header high enough to prevent scooping material into throat opening.

Adjust all points level with one another.



H89417 —UN—01AUG07

JK22594,0000242 -19-13AUG07-1/1

Raising and Removing Center Gatherer Shields and Points.

1. Loosen cap screw (A) on the rear of the gatherer shield and raise stop (B) to the vertical position.

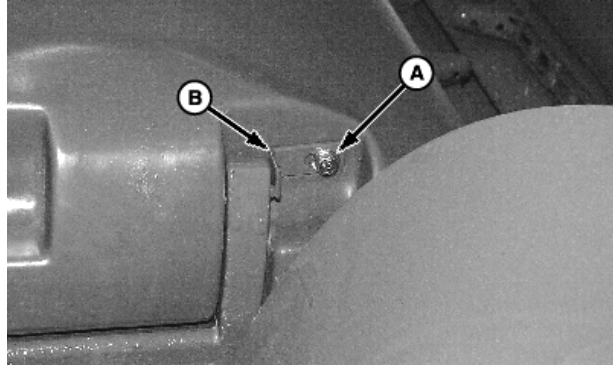
NOTE: Do not over tighten cap screw (A).

Specification

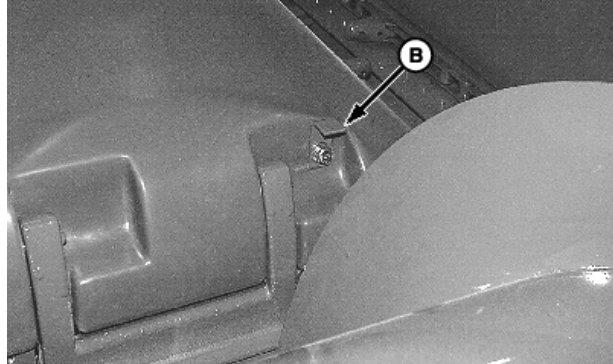
Gatherer Shield Stop Cap
Screw—Torque.....20 N·m
(15 lb-ft)

A—Cap Screw

B—Stop



H85642 —UN—03APR06



H85643 —UN—03APR06

Continued on next page

OUC6043,0001C83 -19-20MAY08-1/2

2. Raise point and retain using pin (A). Pull latch bar (B) and lift point.
3. IF EQUIPPED: Disconnect ACTIVE HEADER CONTROL sensor wiring harness connector (C) from main wiring harness connector. Connector is located inside of the deck cover, near the through hole. Cut tie band attached to the rear of the cover, and then pull connector out to access.

CAUTION: The center shield and point assembly is heavy and awkward to handle.

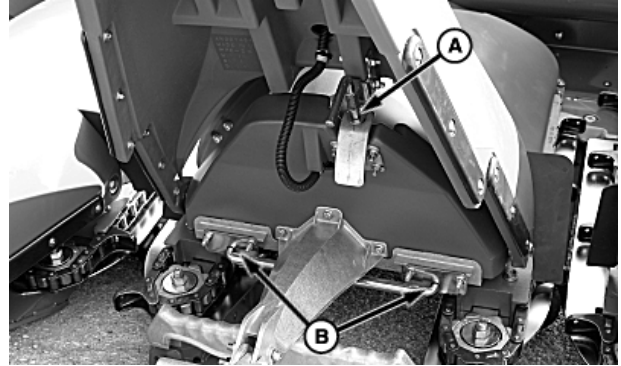
4. Slide the gatherer shield to right-hand side until shield is free of support pins (D), lift off point and gatherer shield assembly.

A—Pin

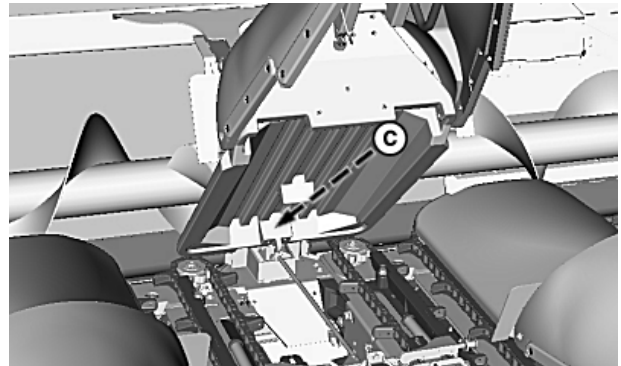
B—Latch Bar

C—Harness Connector

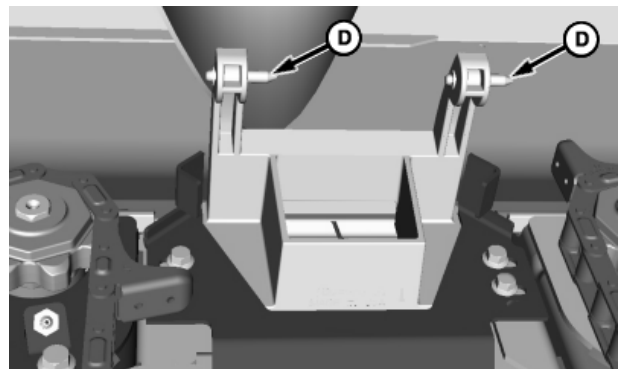
D—Support Pins



H89294 —UN—20JUL07



H90495 —UN—04JAN08



H91766 —UN—20MAY08

OOU6043,0001C83 -19-20MAY08-2/2

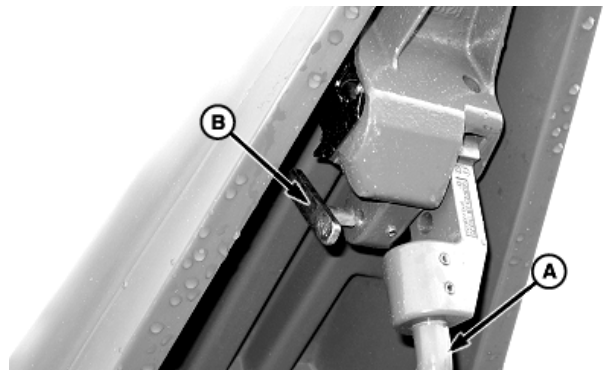
Lowering ACTIVE HEADER CONTROL Ground Sensors (Optional)

Support sensor arm (A) and pull storage pin (B) out to unlock sensor arm.

Storage lock pin should remain in locked out position for field operation.

A—Sensor Arm

B—Storage Lock Pin



H89282 —UN—14JAN09

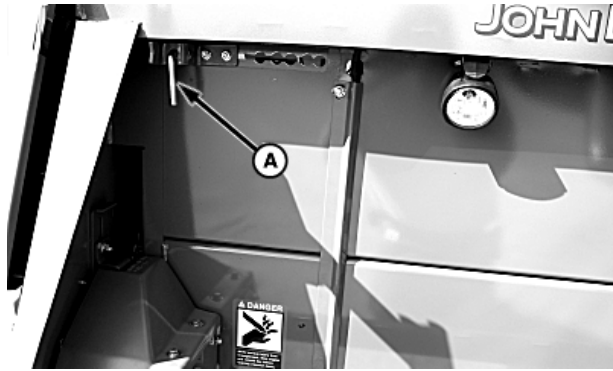
JK22594,0000245 -19-23JUL07-1/1

Raising and Tilting End Fenders and Points

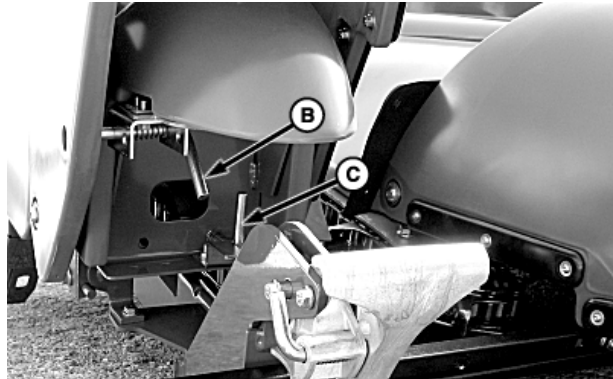
1. Release latch pin (A) and rotate to locked position.
2. Raise outer point until pin (B) latches.
3. Release pins (C) and rotate gatherer shield and point outward.

A—Locking Latch Pin
B—Latch Pin

C—Latch Pin



H88426 —UN—24JUL07



H88427 —UN—23JUL07

NS43404,0000047 -19-19MAY08-1/1

Ear Savers

Ear savers (A) prevent loose ears from sliding over the gatherer chains to the ground.

In down corn, or if stalks tend to plug up at the gatherer throat opening, remove ear savers. Retain ear savers and hardware.

In standing corn, replace ear savers to prevent ear loss.

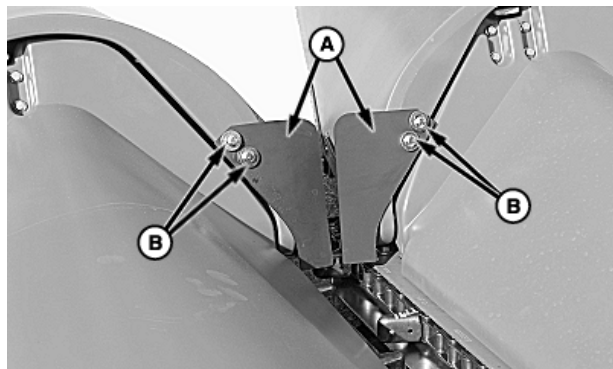
Replace ear savers as follows:

Remove cap screws (B) attaching ear savers and remove ear savers.

NOTE: When installing ear savers, torque cap screws to specification.

Specification

Cap Screws—Torque..... 20 N·m—25 N·m
(15 lb·ft—18 lb·ft)



H89201 —UN—12JUL07

A—Ear Savers

B—Cap Screws

JK22594,0000247 -19-10SEP07-1/1

Row Units

The row unit houses the trash knives, gathering chains, deck plates, and stalk rolls. Ears of corn are snapped from the stalk and conveyed to the auger by the row unit.

JK22594,0000281 -19-15AUG07-1/1

Stalk Rolls

Stalk rolls pull cornstalks down so the ears will be snapped off at the stalk and onto the deck plates.

606C and 608C corn heads are equipped with knife stalk rolls for enhanced harvesting performance with the following benefits:

- Faster residue breakdown.
- Earlier soil warm up and dry out.

- Improved handling of residue by tillage and planting equipment, especially in high yielding corn (150 bu/ac plus).
- Desire to reduce passes needed for shredding, cutting or sizing stalks with other implements.
- Knife stalk rolls perform well in all conditions.
- Knife rolls work better in damp tough and high moisture conditions.
- Knife rolls also work better in heavy grass, vines and weeds.

KM00321,0000039 -19-24SEP08-1/1

Hydraulic Adjustable Deck Plates

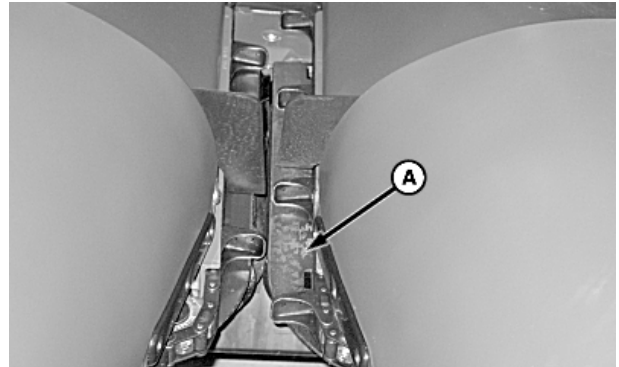
Hydraulic adjustable deck plate (A) allows operator to adjust deck plates within the cab for varying stalk and ear size to prevent grain loss from the head.

Deck plates can be moved only when engine is running and road transport disconnect switch is in field position.

Pressing top of reel switch (B) closes deck plates and pressing bottom of reel switch (B) opens deck plates.

A—Deck Plate

B—Reel Switch



H89701 —UN—21AUG07



KM1000668 —UN—25SEP08

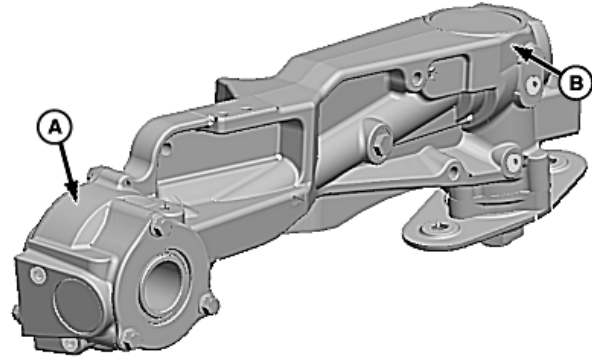
KM1000668

KM00321,000003A -19-01SEP08-1/1

StalkMaster™ Chopping Gear Cases

Chopping gear cases have two reservoirs that are filled with 80W90 GL-5 oil from the factory.

IMPORTANT: Replacement gear cases purchased through service parts are shipped dry. Be sure to fill any replacement gear cases with oil to specification before operating machine.



H91761 —UN—20MAY08

A—Rear Gear Case Reservoir B—Front Gear Case Reservoir

Item	Measurement	Specification
Rear Gear Case Reservoir (A)	Capacity	325 mL (11 oz)
Front Gear Case Reservoir (B)	Capacity	500 mL (16.9 oz)

Each reservoir is equipped with a drain plug and an oil check/fill plug that need to be removed to fill or drain the reservoirs.

Oil should be checked once a season or every 200 hours of operation. (See Lubrication and Maintenance section for procedure.)

Oil should be drained and replaced every 1000 hours of operation. (See Lubrication and Maintenance section for procedure.)

StalkMaster is a trademark of Deere & Company

KM00321,0000338 -19-07JUL10-1/1

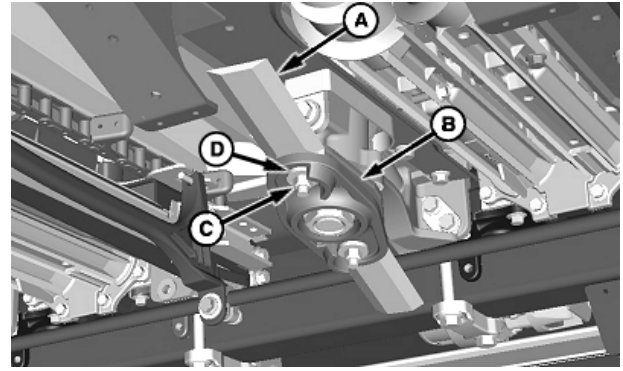
Removing, Flipping, and Installing StalkMaster™ Chopping Knife Blades

CAUTION: Knives have two sharp cutting edges and can cause serious injury. Wear gloves when handling knives.

NOTE: StalkMaster chopping knives are wear items. Knives can be flipped for extended knife wear. Worn, dull, or damaged knives are factors that affect corn head power consumption and stalk chopping quality, both of which can limit harvest speed. The expected wear life of chopping knives will vary with the operator's harvest conditions and operation habits. Flip and replace knives as needed to maintain acceptable stalk chopping ability. Replace any excessively worn bushings and hardware.

NOTE: StalkMaster chopping knife blades must be replaced in pairs on each chopping gear case.

1. Remove lock nuts (C), washers, bushings (D), and cap screws.
2. Remove knives (A) from between plate (B).
3. Inspect all hardware and bushings for excessive wear or damage and replace as necessary. Lock nuts can be reused when flipping blades. Lock nuts must be replaced when replacing knives.



A—Knife (2 used)
B—Plate

C—Nut (2 used)
D—Bushing (2 used)

4. Install knives using cap screws, bushings, washers, and lock nuts. Tighten to specification.

Specification

Stalk Chopping Knife Cap	85 N·m
Screw—Torque.....	(63 lb·ft)

KM00321,0000339 -19-07JUL10-1/1

Auger

Auger (A) conveys crop material from the row units and directs crop material into the feeder house.

A—Auger



OOU6043,0001C88 -19-03JAN08-1/1

Outer Gatherer Extensions

Extensions (A) prevent ear loss over the sides of the low profile gatherer sheets.

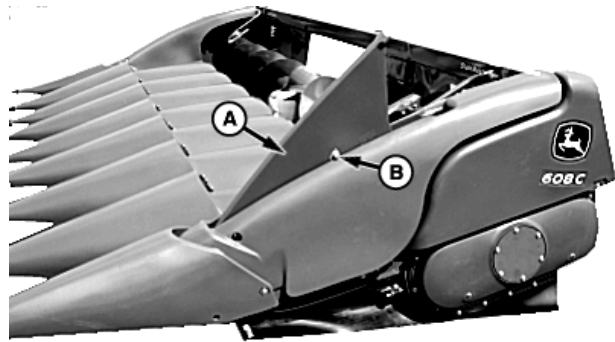
When operating in conditions where the corn stalks are down, lower the outer gatherer extensions for smooth stalk gathering action.

Extensions are incorporated into the end fender and can be raised and lowered.

⚠ CAUTION: Extensions (A) are spring-loaded. Pay extreme attention when raising or lowering extensions to prevent risk of crushing.

1. Raise extension until pin (B) locks.
2. To lower extension push pin (B) in an lower extension.

NOTE: Extension must be lowered to raise outer point.



H89215—UN—23JUL07

A—Extensions

B—Pin

KM00321,000003C -19-01SEP08-1/1

Adjustments

Adjusting and Leveling Gatherer Points

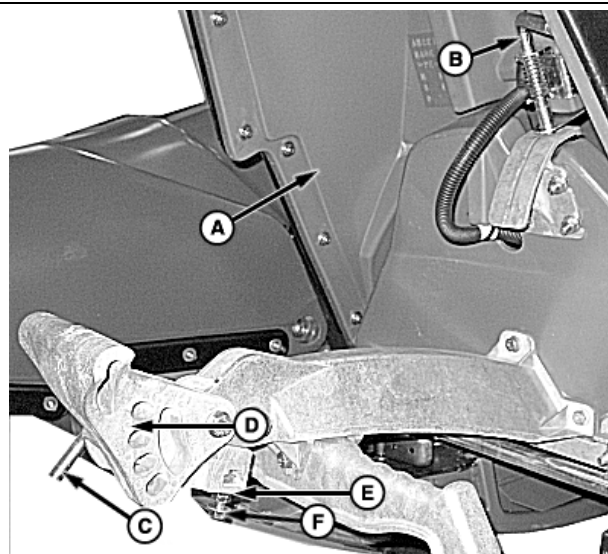
CAUTION: Raise corn head until points are off of the ground, shut off engine, and remove key.

Set one gatherer point to an appropriate height. Set remaining points to same height.

1. Raise point (A) and lock latch (B).
2. Pull spring locking pin (C) and adjust height using location holes (D).
3. The points can also be fine adjusted by loosening jam nut (E) and adjusting cap screw (F) up or down.

A—Point
B—Latch
C—Locking Pin

D—Location Hole
E—Jam Nut
F—Cap Screw



H88971 —UN—06AUG07

NS43404,000004D -19-19MAY08-1/1

Adjusting Trash Knives

Trash knives prevent weeds and trash from wrapping around stalk rolls.

Trash knives must be set as close as possible to rolls without striking the flutes.

1. Loosen four cap screws (B).
2. Adjust trash knife (C) so that gap (A) between knife and stalk roll flute is within specification.

Specification

Trash-Knife to	
Stalk-Roll-Flute	
Gap—Gap.....	1.5 mm
	(1/16 in.)

3. Tighten cap screws (B) to specification.

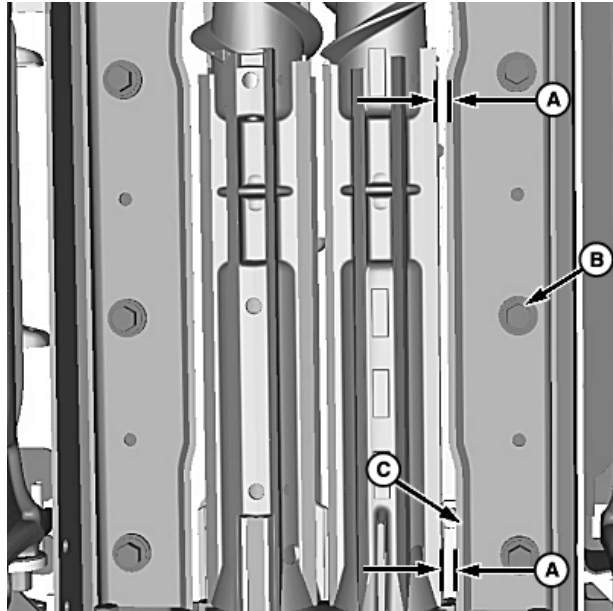
Specification

Trash Knife Mounting	
Cap Screws—Torque.....	130 N·m
	(96 lb-ft)

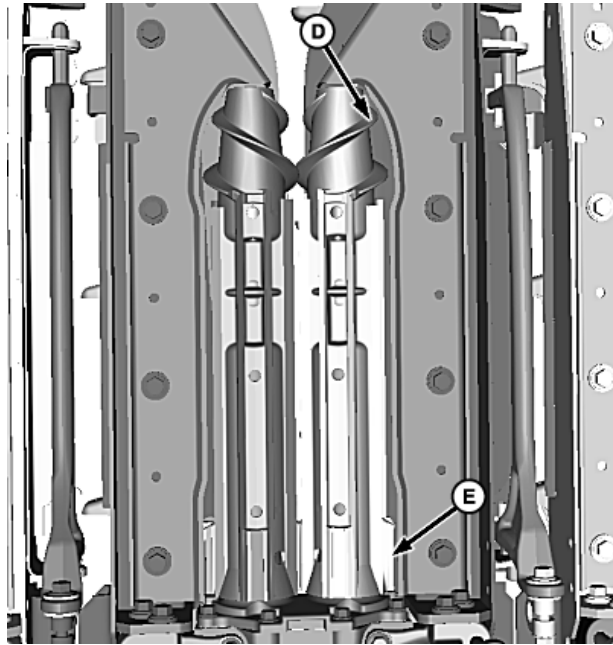
4. Verify stalk roll spiral (D) (front of roll) and stalk roll fin (E) (rear of roll) clear the trash knife when rotated.
5. Repeat procedure on opposite trash knife and for remaining row units.

A—Dimension, 1.5 mm (1/16 in.)
B—Cap Screw (8 used)
C—Trash Knife

D—Stalk Roll Spiral
E—Stalk Roll Fin



H91763 —UN—20MAY08



H90470 —UN—04JAN08

NS43404,000004E -19-19MAY08-1/1

Adjusting Gatherer Chain Tension

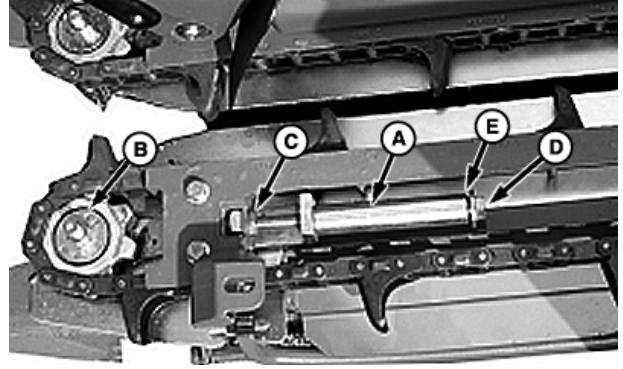
Gatherer chain tension is maintained by a spring-loaded tightener. The spring is shielded by a spacer tube (A) that also serves as a stop to prevent the idler sprocket (B) from retracting too far.

To increase gatherer chain tension, loosen nut (C) and tighten bolt (D).

To prevent chain from running off idler sprocket, maintain a 4.8 mm (3/16 in.) maximum space between spacer tube (A) and washer (E).

A—Spacer Tube
B—Idler Sprocket
C—Nut

D—Bolt
E—Washer



JK22594,000025B -19-23JUL07-1/1

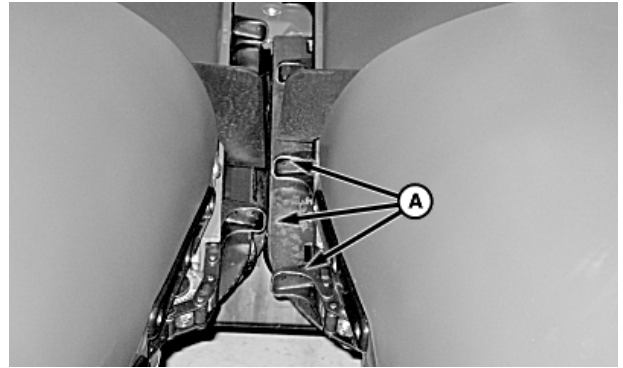
Adjusting Gatherer Chain Flights

Gathering chains are assembled at the factory with the chain flights (A) staggered between one another.

IMPORTANT: Be careful to avoid rocks and other obstructions in the row when running gatherers close to the ground.

1. Remove center shield.

A—Chain Flights

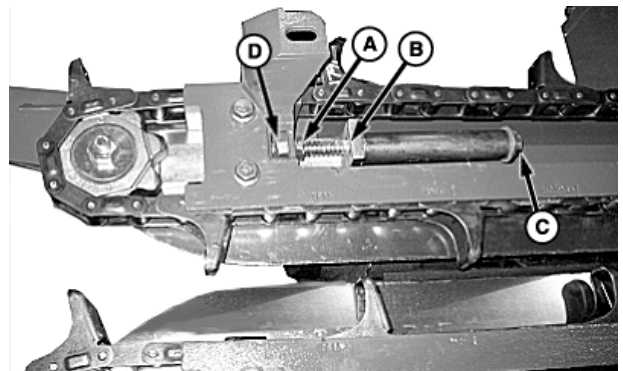


NS43404,000004F -19-19MAY08-1/3

2. Turn nut (A) until it is against leg of idler support strap (B).
3. Loosen bolt (C) until nut (D) disengages.

A—Nut
B—Strap

C—Bolt
D—Nut



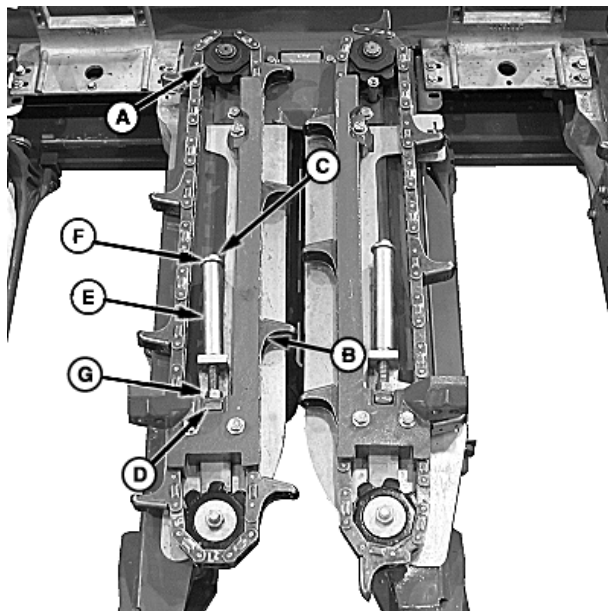
Continued on next page

NS43404,000004F -19-19MAY08-2/3

4. Lift chain off sprocket (A) and rotate chain until flights (B) are uniformly spaced.
5. Turn bolt (C) into nut (D) and tighten bolt until a 4.8 mm (3/16-in.) maximum space between spacer tube (E) and washer (F).
6. Screw nut (G) tight against idler assembly.

A—Sprocket
B—Flights
C—Bolt
D—Nut

E—Tube
F—Washer
G—Nut



H90104—UN—02OCT07

NS43404,000004F -19-19MAY08-3/3

Adjusting Deck Plates

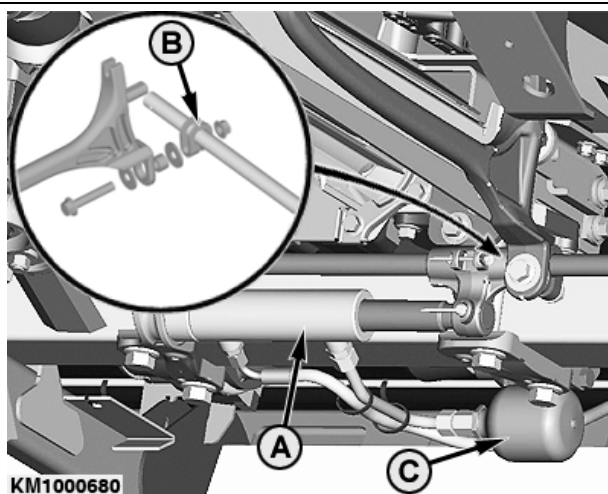
NOTE: Deck plates are factory set.

1. Set deck plates to closed position (cylinder (A) fully extended). Verify left-hand side deck plates are in the closed position and reset and tighten clamp if necessary.
2. Clamp (B) should close and crimp tie bar when hardware is tightened. Install pivot arms on remaining row units.

CAUTION: Hydraulic accumulator (C) may only be detached or put into operation by hydraulically trained engineers or technicians. Do not perform any welding, soldering or mechanical work on the hydraulic accumulator.

A—Cylinder
B—Clamp

C—Hydraulic Accumulator



KM1000680

KM1000680—UN—03SEP08

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KM00321,000004F -19-03SEP08-1/2

Adjustments

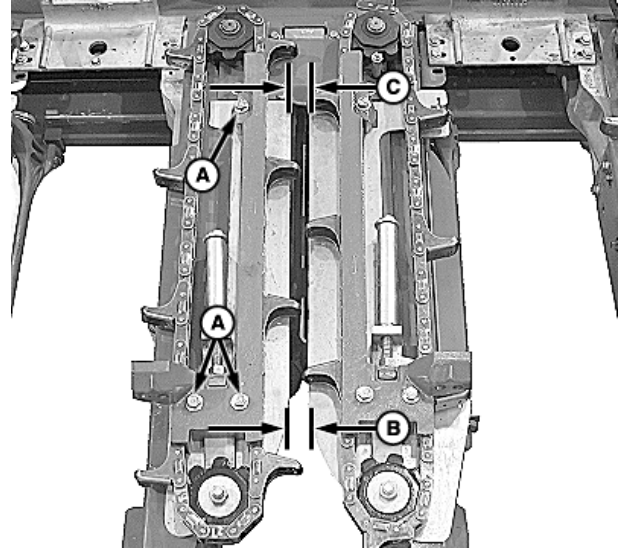
- Loosen cap screws (A) retaining right-hand side deck plate to row unit frame.
- Set front spacing (B) to 18 mm (23/32 in.) and rear spacing (C) to 20 mm (25/32 in.).
- Tighten cap screws to specification.

Specification

Deck Plate Cap
Screws—Torque..... 95 N•m
(70 lb-ft)

A—Cap Screws
B—Front Spacing

C—Rear Spacing



H90106 —UN—29OCT07

KM00321,000004F -19-03SEP08-2/2

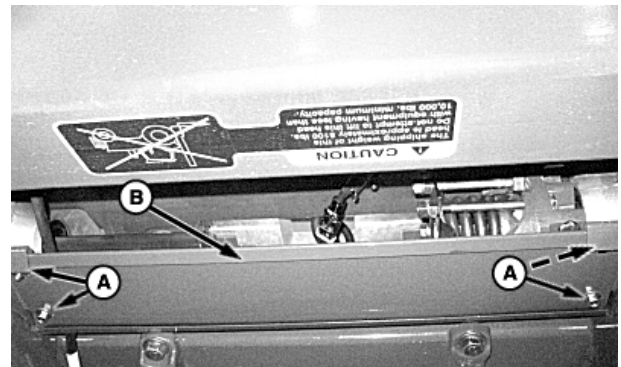
Adjusting Row Spacing

ROW SPACING

Corn Head	cm	in.
606C	70	27.5
606C	76.2	30
608C	70.0	27.5
608C	75.0	29.5
608C	76.2	30

CAUTION: When working under the corn head, always place the cylinder safety stop in safety position to prevent header from lowering.

- Remove and retain attaching hardware (A) and row unit drive shield (B).
- Remove gatherer shields and points. (See Raising and Removing Center Gatherer Shields and Points in the Operating Header section for procedure.)



A—Hardware

B—Shield

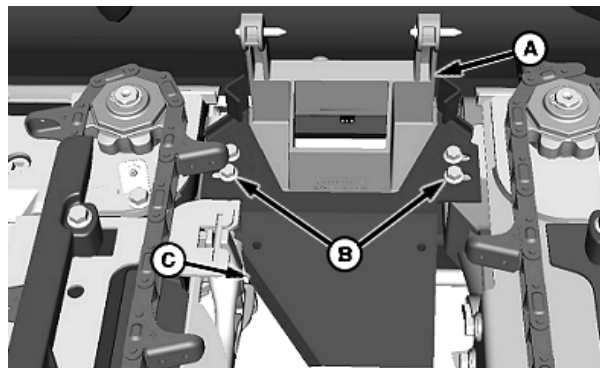
H89404 —UN—31JUL07

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KM00321,000003D -19-01SEP08-1/4

3. Remove cap screws (B), shield (C) and support (A).

A—Gatherer Shield Support C—Shield
B—Cap Screws (4 used)



H88378 —UN—14MAY07

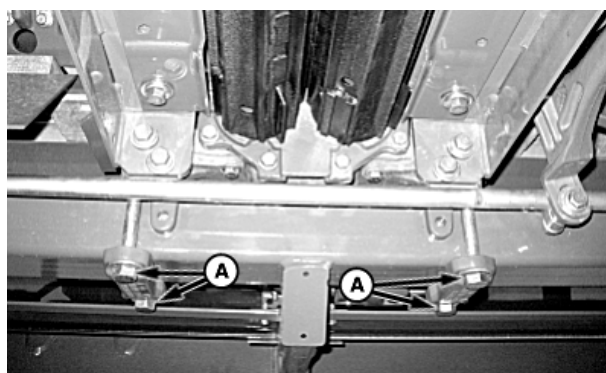
KM00321,000003D -19-01SEP08-2/4

NOTE: To slide row units to desired location, with correct lifting devise lift and support under row unit skid plates keeping weight of unit on main frame.

4. Loosen bolts (A) of center two row units. Move both row units an equal distance to correct row spacing. Then move to the next outer row unit. Loosen bolts and move unit to the desired row spacing and continue until all row units are spaced correctly. Torque unit attaching bolts to specification.

Specification

Unit Attaching	
Bolts—Torque.....	310 N·m (229 lb·ft)



H89412 —UN—01AUG07

A—Bolts

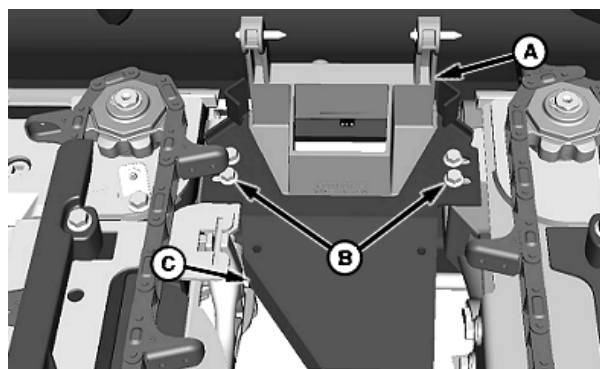
KM00321,000003D -19-01SEP08-3/4

5. Position row unit shield and gatherer shield support for desired row spacing and reinstall cap screws (B) in shield (C) and gatherer shield support (A).

Specification

Gatherer Shield	
Support—Torque.....	70 N·m (52 ft. lb.)

6. Reinstall shields and points on row units.
7. Connect sensor wire harness (if equipped) and push connector into hole of deck cover. Retain harness at yellow tape marks on harness to ensure proper slack for raising points.
8. Reinstall row unit drive shield.



H88378 —UN—14MAY07

A—Gatherer Shield Support C—Shield
B—Cap Screws (4 used)

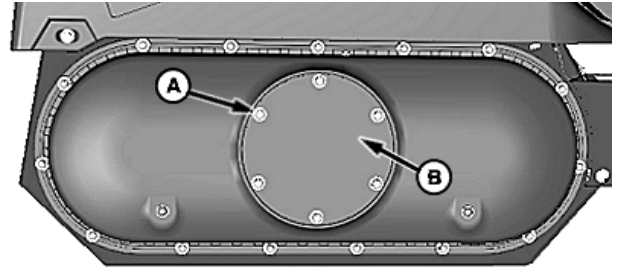
KM00321,000003D -19-01SEP08-4/4

Adjusting Row Unit Drive Chain

1. Remove cap screws (A) and cover (B).

A—Cap Screws (6 used)

B—Cover



H88819 —UN—14JAN09

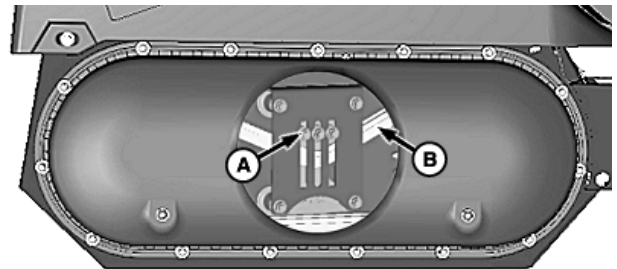
OUO6043,0001C8A -19-20MAY08-1/2

NOTE: An overtightened chain will cause undue chain wear. Row unit chain is a continuous chain without a connector link.

2. Adjust tension on drive chain (B) using tensioner (A). Lower chain strand should have play in chain with movement of 10 mm up and 10 mm down. Tighten cap screws to specifications.

Specification

Tightener Cap
Screws—Torque.....90 N·m
(66 lb·ft)



H88823 —UN—14JAN09

3. Reinstall cover with retained cap screws.

A—Tensioner

B—Drive Chain

OUO6043,0001C8A -19-20MAY08-2/2

Adjusting Row Unit Drive Sprockets with (ONLY) Fixed Speed Drive (Combines)

IMPORTANT: Changing corn head sprockets with a variable speed feeder house can result in the corn head over speeding, resulting in machine damage. Front driven shaft should never exceed 715 rpm.

Chopping corn head models are driven with a 24-tooth driver and 27-tooth driven sprockets.

NOTE: Drain oil and remove pan before changing or adjusting sprockets, see *Remove/Install Oil and Pan in Service* section.

When operating at increased ground speeds, install small sprocket on driven shafts and large sprocket on drive shafts.

Adjust tightener so chain will operate without climbing or jumping sprockets.

The following chart gives the approximate combine travel speed that is used with each sprocket combination.

NOTE: Recommended travel speed in chart is based on average field conditions. Your particular field condition may differ and determine which sprocket must be used. Front driven shaft should never exceed 715 rpm. Corn head running higher than 715 rpm can result in machine damage.

NOTE: FIXED SPEED COMBINE ONLY—The sprockets are set from the factory 24T Driver and 27T Driven for chopping corn heads. These sprockets must **NOT** be changed for variable speed combines.

When Combining at:

Up to 7 km/h
(Up to 4 mph)
Over 7 km/h
(4 mph)

Chopping Corn Head Sprocket

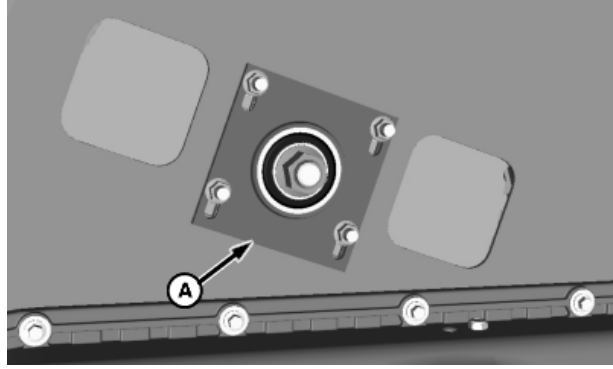
Driver	Driven
24-tooth	27-tooth
27-tooth	24-tooth

KM00321,000003E -19-01SEP08-1/1

Adjusting Auger

CAUTION: Keep safety shields in place.

1. Both sides of corn head main frame and auger bearing carriers (A) are slotted for adjusting auger. Auger can be adjusted up and down for clearance between auger flighting and floor.
2. Keep auger adjusted down in most conditions. Raise auger to prevent ear damage in popcorn and food grade corn.
3. In normal conditions, keep a minimum of 6 mm (1/4 in.) clearance between auger and the lower adjustable auger stripper.
4. In normal conditions, keep a minimum of 32 mm (1-1/4 in.) clearance between auger flighting and bottom of floor.
5. Bearing carriers can be removed and auger lifted and bolts installed at upper slotted holes on each side to



H88528 —UN—18MAY07

A—Bearing Carriers

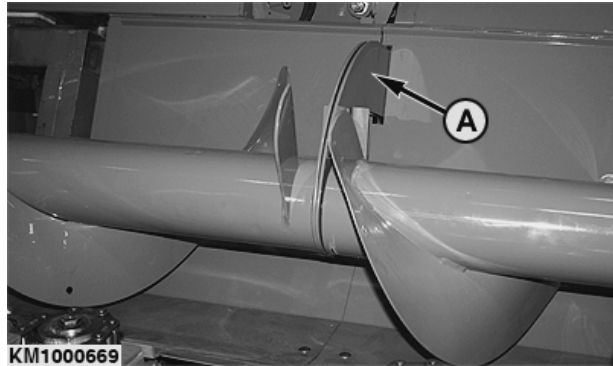
raise auger 76 mm (3 in.) above floor for use in food corn.

KM00321,000003F -19-19SEP08-1/2

6. Adjust inner retaining brackets (A) so that the center part of the auger is aligned to the outer parts.
7. To do this, slacken nuts (B) and adjust inner retaining brackets (A).
8. Retighten nuts (B).

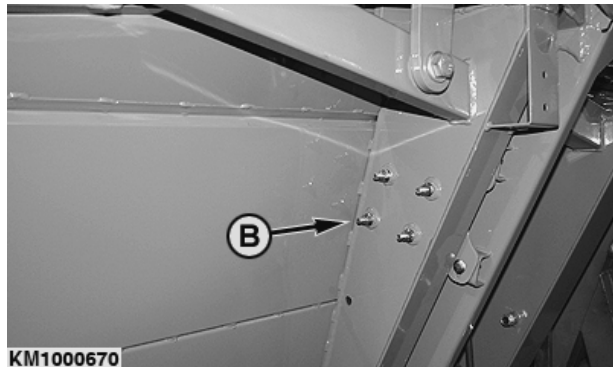
A—Retaining Bracket

B—Nuts



KM1000669

KM1000669 —UN—25SEP08



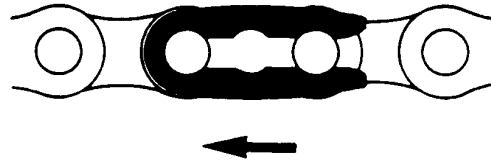
KM1000670

KM1000670 —UN—25SEP08

KM00321,000003F -19-19SEP08-2/2

Coupling the Chain

When securing a chain coupler link, closed end of spring lock must face in direction of chain travel as shown with bold arrow.



H41470

H41470 —UN—28NOV89

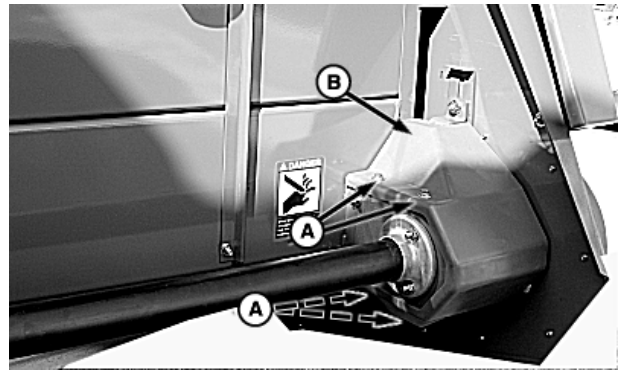
JK22594,000025D -19-23JUL07-1/1

Adjusting Auger Drive Chain

1. Remove cap screws (A) and cover (B).

A—Cap Screws

B—Cover



H89365 —UN—31JUL07

OUC6043,0001C8F -19-07JAN08-1/2

2. Loosen nuts (A). Push on adjusting plate (B) to adjust chain tension.
3. Tighten nuts (A) to specification.

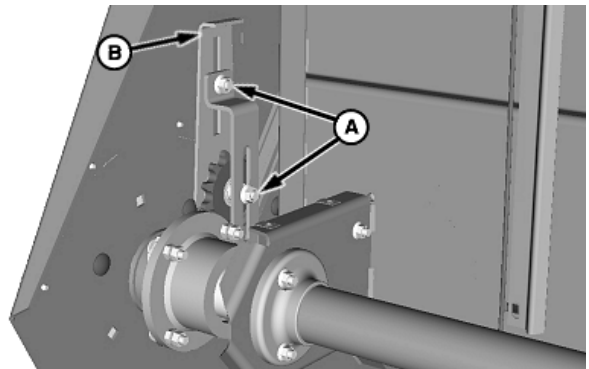
Specification

Nuts (A)—Torque.....90 N·m
(66 lb-ft)

NOTE: An overtightened chain will cause undue chain wear. Adjust chain tension so that the slack side movement is 10 mm (3/8 in.) up and 10 mm (3/8 in.) down.

A—Nuts

B—Plate



H89018 —UN—20JUN07

OUC6043,0001C8F -19-07JAN08-2/2

Lubrication

Corn Head Grease

John Deere CORN HEAD GREASE is recommended.

You may also use SAE Multipurpose Grease with Extreme Pressure (EP) Performance and meeting NLGI Consistency Number 0.

DX,CORN -19-01FEB94-1/1

Grease

Use grease based on NLGI consistency numbers and the expected air temperature range during the service interval.

The following grease is recommended:

- John Deere SD POLYUREA GREASE (TY6341)

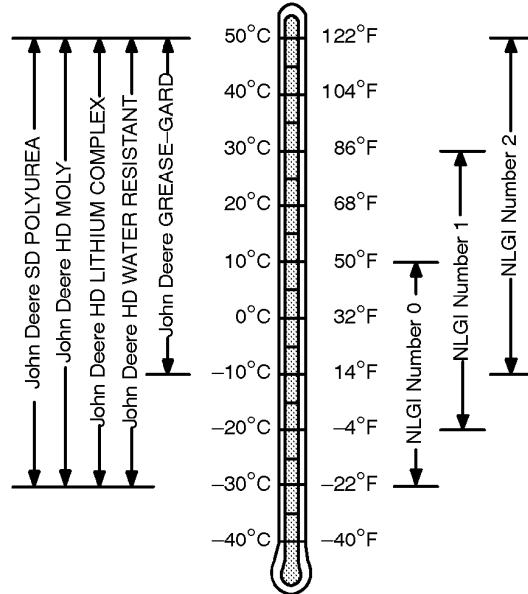
Other greases may be used if they meet the following:

- NLGI Performance Classification GC-LB

IMPORTANT: Some types of grease thicken and are not compatible with others.

If grease fitting is missing, replace immediately. Clean fittings thoroughly before using grease gun.

Product Number	Description
TY6341	Multi-Purpose, High-Temperature Extreme Pressure Grease, especially effective in rolling contact applications.



AG,QUO1035,1175 -19-20MAY08-1/1

Lubricant Storage

Your equipment can operate at top efficiency only when clean lubricants are used.

Use clean containers to handle all lubricants.

Whenever possible, store lubricants and containers in an area protected from dust, moisture, and other

contamination. Store containers on their side to avoid water and dirt accumulation.

Make certain that all containers are properly marked to identify their contents.

Properly dispose of all old containers and any residual lubricant they may contain.

DX,LUBST -19-18MAR96-1/1

Alternative and Synthetic Lubricants

Conditions in certain geographical areas may require lubricant recommendations different from those printed in this manual.

Some John Deere brand coolants and lubricants may not be available in your location.

Synthetic lubricants may be used if they meet the performance requirements as shown in this manual.

The temperature limits and service intervals shown in this manual apply to both conventional and synthetic oils.

Re-refined base stock products may be used if the finished lubricant meets the performance requirements.

Avoid mixing different brands or types of oils. Oil manufacturers blend base stock and additives to create their oils and to meet certain specifications and performance requirements. Mixing different oils can interfere with proper functioning of these formulations and degrade lubricant performance.

Consult your authorized John Deere dealer to obtain specific information and recommendations.

DX,ALTER -19-11NOV09-1/1

Mixing of Lubricants

In general, avoid mixing different brands or types of oil. Oil manufacturers blend additives in their oils to meet certain specifications and performance requirements.

Mixing different oils can interfere with the proper functioning of these additives and degrade lubricant performance.

Consult your John Deere dealer to obtain specific information and recommendations.

DX,LUBMIX -19-18MAR96-1/1

Lubrication and Maintenance

Lubrication Symbols

CAUTION: Never lubricate or service corn head while combine engine is running. Turn off Engine, remove key, and set safety stops.

 Lubricate with John Deere Multipurpose SD Polyurea High Temperature/Extreme Pressure lubricant or an equal SAE Multipurpose High Temperature Grease with Extreme Pressure (EP) performance at hours shown on the symbol.

 Lubricate with John Deere SAE 30 oil or heavier oil at hourly intervals indicated on the symbols.

 Lubricate with John Deere corn head grease (type "O" [zero] extreme pressure) at hourly intervals indicated on the symbols. The lubricant is available in a 0.4 kg (14-1/2 oz) tube AN102562. Wipe away all grease and dirt before removing inspection plugs. Wipe grease fittings clean before lubricating.

IMPORTANT: Recommended service intervals are for average conditions. Service **MORE OFTEN** if corn head is operated under adverse conditions.

MH81805,0000737 -19-17MAR05-1/1

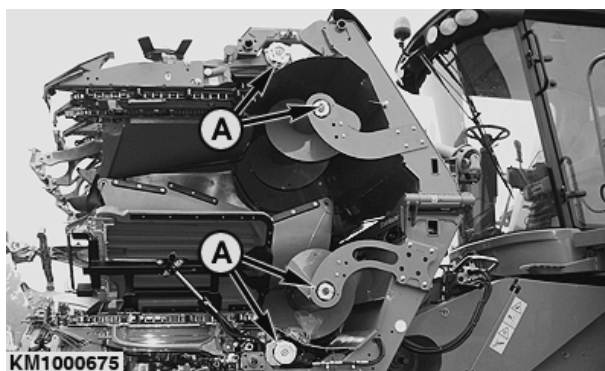
Every 50 Hours of Operation

IMPORTANT: To avoid equipment damage and failure due to system contamination, always clean grease fittings before and after lubrication.

If a grease fitting is damaged or missing, replace it immediately.

1. Clean all claw couplings (A).

A—Claw Couplings

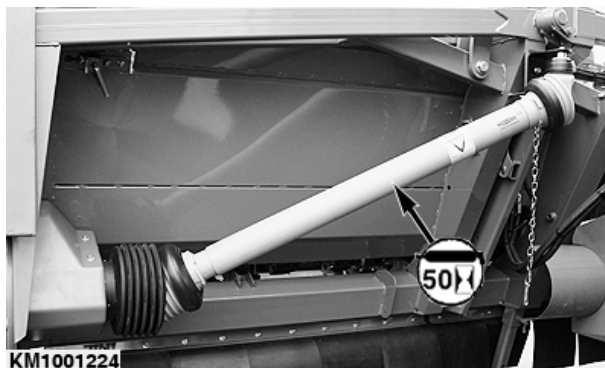


KM00321,000033A -19-08JUL10-1/2

2. Grease header drive shaft.

Rotate shield as needed to access grease fitting.

If corn head uses dual drive shafts, repeat on opposite side.



KM00321,000033A -19-08JUL10-2/2

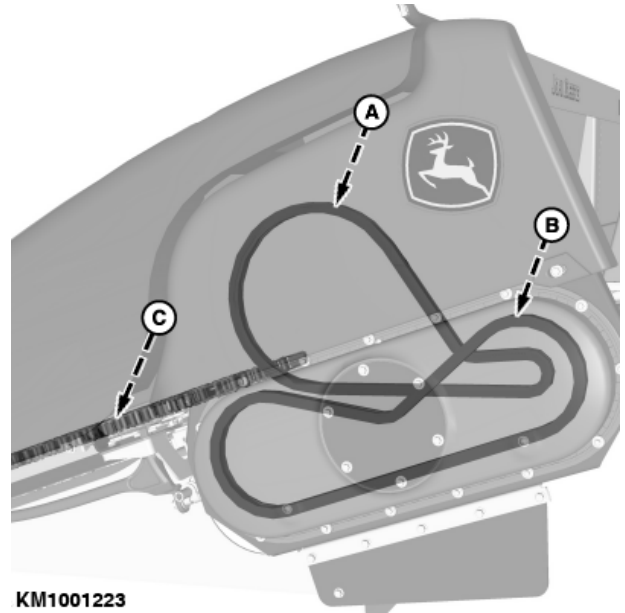
Inspect and Adjust Chains - Every 200 Hours of Operation

NOTE: Different corn head models have different numbers of each chain.

1. **Auger Chain (A):** Inspect condition and tension of chain. Adjust or replace as necessary (see Adjusting Auger Drive Chain in Adjustments section).
2. **Row Unit Drive Chain (B):** Inspect condition and tension of chain(s). Adjust or replace as necessary (see Adjusting Row Unit Drive Chain in Adjustments section).
3. **Gatherer Chains (C):** Inspect condition and tension of chains. Adjust or replace as necessary (see Adjusting Gatherer Chain Tension in Adjustments section).

A—Auger Drive Chain
B—Row Unit Drive Chain

C—Gatherer Chain



KM1001223

KM1001223 — UN—07JUL10

KM00321,000033C -19-08JUL10-1/1

Every 200 Hours of Operation

IMPORTANT: To avoid equipment damage and failure due to system contamination, always clean grease fittings before and after lubrication.

If a grease fitting is damaged or missing, replace it immediately.

IMPORTANT: When checking oil levels, always clean area around plugs before removal.

Always tighten plugs securely.

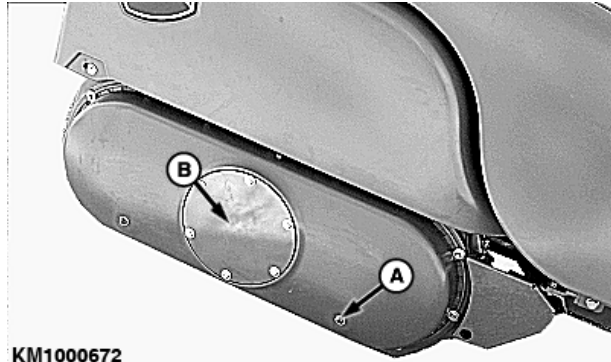
IMPORTANT: Keep oil level to specification to prevent excessive chain wear.

1. Replace Oil in Row Unit Drive Chains:

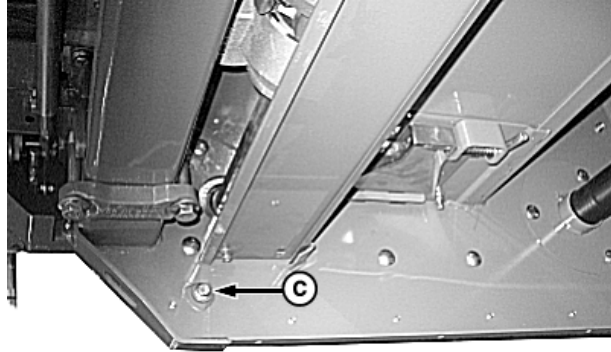
- Raise corn head completely and engage safety stop.
- Operate header for a short time to warm oil prior to draining.

NOTE: Drain oil into a clean container and dispose of properly.

- Remove plug (C), disengage safety stop, and lower header to drain oil.
- Raise header and engage safety stop.
- Install plug.
- Lower header onto flat level ground and remove access door (B) and check plug (A).
- Add SAE 80/90 gear lube through access door until level with the bottom of check plug. Approximate capacity is 0.9 L (0.95 qt.).



KM1000672



A—Check Plug
B—Access Door

C—Drain Plug

Specification

Drive Chain	
Oil—Capacity.....	0.9 L (0.95 qt.)

- Install access door and check plug.

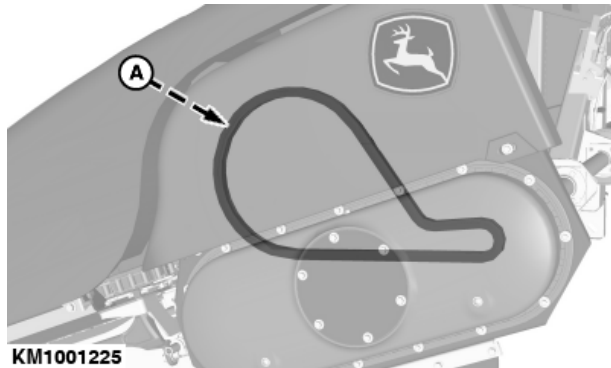
KM00321,000033E -19-08JUL10-1/7

CAUTION: To avoid serious injury, never lubricate chains with engine running.

2. Lubricate Auger Drive Chains:

- Operate header for a short time before lubricating chains. A warm chain increases penetration of oil between pins and bushings.
- Lubricate chain with SAE 30 or heavier oil. John Deere TY6240 chain lube is available in an aerosol can.

A—Auger Drive Chain



KM1001225

Continued on next page

KM00321,000033E -19-08JUL10-2/7

3. Check Row Unit Gear Case Grease:

NOTE: Row unit gear case grease must be warm with header raised to obtain accurate readings on dipstick.

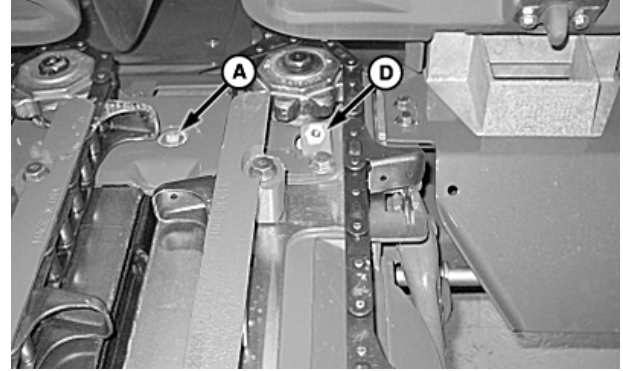
- Raise corn head and lower safety stop.
- Raise row unit shield.
- Clean area around inspection plug/dipstick (A) to avoid dirt and debris from entering gear case.
- Remove dipstick and clean off grease.
- Insert dipstick until bottom of dipstick threads rests on top of gear case recess (B).
- Remove and observe grease level on dipstick.
- If level is below full mark (C), add John Deere Corn Head Grease through grease fitting (D) until level with mark.

IMPORTANT: Do not overfill gear case. 0.42 L (1 tube) of grease is required to fill gear case from minimum mark (E) to full mark (C). The amount of grease to add at other levels is proportional.

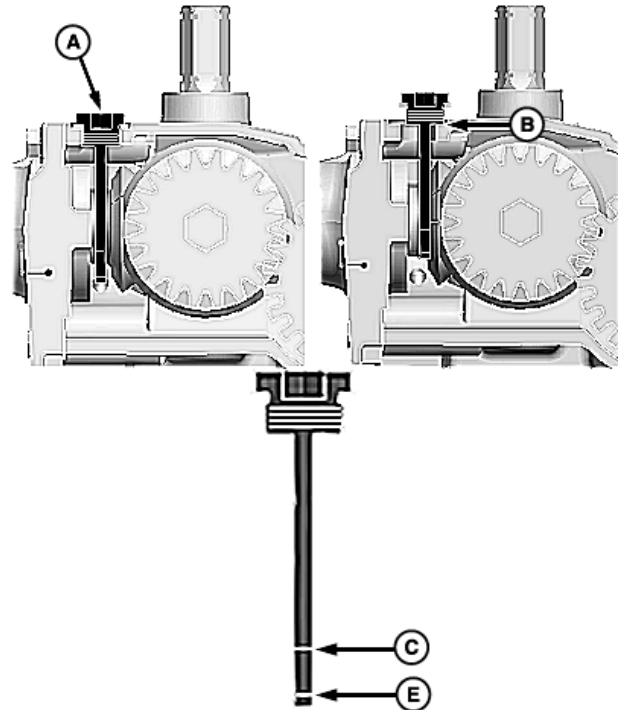
- If necessary, install dipstick and operate header to warm new grease and obtain an accurate reading.

A—Inspection Plug/Dipstick
B—Recess
C—Full Mark

D—Grease Fitting
E—Minimum Mark



H90487 —UN—04JAN08



H90488 —UN—14JAN09

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KM00321,000033E -19-08JUL10-3/7

4. Lubricate Slip Clutches:

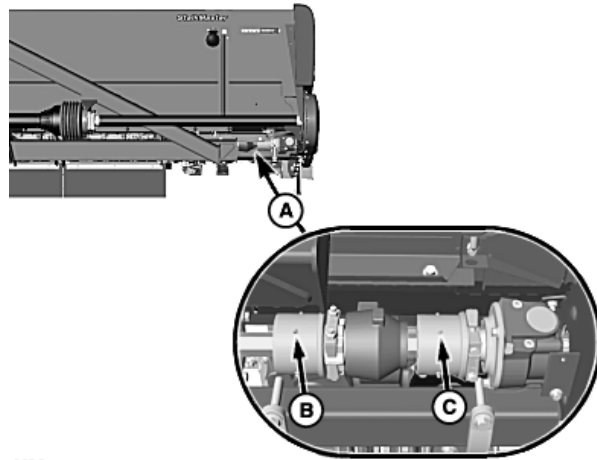
- a. Raise corn head completely and engage safety stop.

IMPORTANT: Each slip clutch has multiple grease fittings for ease of access. Only ONE fitting needs to be lubricated per clutch.

- b. Locate row unit AND chopping gear case slip clutches under corn head (A).
- c. Apply 10 shots of grease to one grease fitting (B) on row unit slip clutch.
- d. Apply 10 shots of grease to one grease fitting (C) on chopping gear case slip clutch.
- e. Repeat lubrication on remaining rows.

A—Chopping Corn Head
B—Row Unit Slip Clutch
Grease Fitting

C—StalkMaster Gear Case Slip
Clutch Grease Fitting



KM1001226

Right Rear View Shown

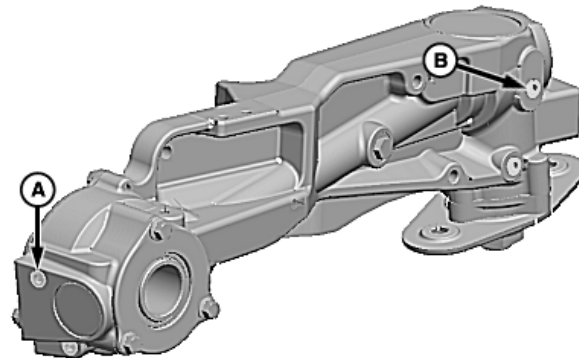
KM1001226—UN—08JUL10

KM00321,000033E -19-08JUL10-4/7

5. Check Stalkmaster™ Gear Case Oil:

NOTE: Chopping corn head gear cases must be warm with header raised to verify accurate oil level.

- a. Operate header to warm gear case oil.
- b. Raise header and lower safety stop.
- c. Remove check/fill plug (A) at rear of gear case on each row. Oil level should be at bottom of check/fill plug hole. Add TY6296 80W 90 GL-5 gear lube as necessary to obtain correct level. Reinstall check/fill plug.
- d. Remove check/fill plug (B) at front of gear case on each row. Oil level should be at bottom of check/fill plug hole. Add TY6296 80W 90 GL-5 gear lube as necessary to obtain correct level. Reinstall check/fill plug.



A—Check/Fill Plug

B—Check/Fill Plug

H90489—UN—04JAN08

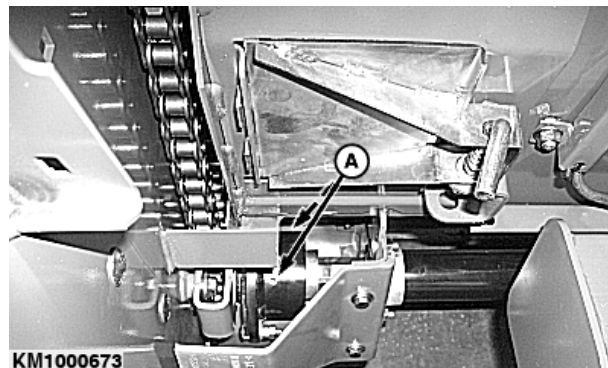
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KM00321,000033E -19-08JUL10-5/7

6. Lubricate Drive Clutch:

Grease drive clutch grease fitting (A).

A—Grease Fitting (2 used)



KM1000673

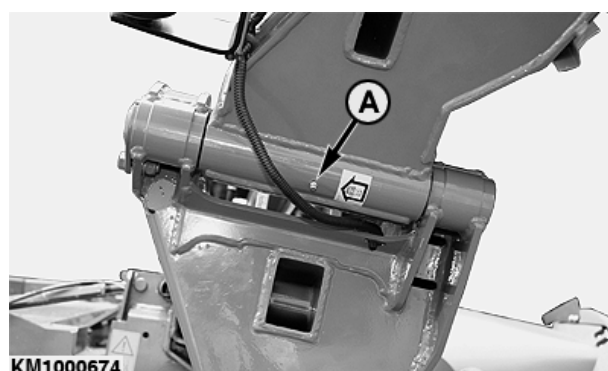
KM1000673 —UN—01SEP08

KM00321,000033E -19-08JUL10-6/7

7. Lubricate Outer Hinges:

Grease hinge fittings (A) of outer end sections on both sides.

A—Grease Fitting



KM1000674

KM1000674 —UN—01SEP08

KM00321,000033E -19-08JUL10-7/7

Every 1000 Hours of Operation

IMPORTANT: To avoid equipment damage and failure due to system contamination, always clean grease fittings before and after lubrication.

If a grease fitting is damaged or missing, replace it immediately.

IMPORTANT: When checking oil levels, always clean area around plugs before removal.

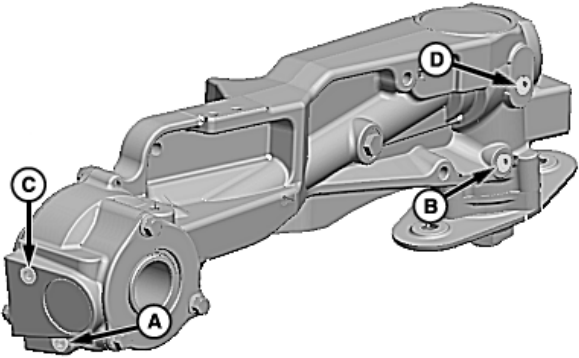
Always tighten plugs securely.

NOTE: Chopping corn head gear cases must be warm with header raised to drain and fill oil.

- 1. **Replace Oil in Chopping Gear Cases:**
- 2. Raise corn head completely and engage safety stop.
- 3. Operate header to warm oil prior to draining.
- 4. Shut OFF engine, set parking brake, and remove key.

NOTE: Drain oil into appropriate container and dispose of properly.

- 5. Remove front and rear drain plugs (A and B) and allow oil to drain.
- 6. Install plugs.
- 7. Remove front and rear check/fill plugs (C and D).



H90492 —UN—04JAN08

A—Rear Drain Plug
B—Front Drain Plug
C—Rear Check/Fill Plug
D—Front Check/Fill Plug

- 8. Add TY6296 80W 90 GL-5 Gear Lube to front and rear gear cases until level with bottom of check/fill plug holes.

Specification	
Rear Gear	
Case—Capacity.....	325 mL (11 oz)
Front Gear	
Case—Capacity.....	500 mL (16.9 oz)

- 9. Install check/fill plugs.

KR43067,0000271 -19-23APR09-1/1

Troubleshooting

Troubleshooting

The majority of corn head operating problems can be traced to improper adjustment. The following troubleshooting chart will help you when problems develop

by suggesting a probable cause and the recommended remedy. Make certain when you are trying to solve a problem, that the source does not come from some place other than where the problem exists.

Symptom	Problem	Solution
Loss of Ear Corn in the Field	Points tips set too high.	Adjust points so tips lightly touch ground when row unit skid plate is 2.5 cm (1 in.) above ground. When picking low hanging ears, raise front tip of gatherer points and run corn head with the skids close to the ground.
	Ground speed too fast or too slow.	Operate at a speed to meet field and ground conditions. Too much ground speed can bend stalks forward and cause ears to fall ahead of gatherer chains. Slow ground speed can cause gatherer chains to jerk stalks and snap off ears causing ears to slide off header.
		Operate at a speed where gatherer chains help guide stalks into the rolls.
	Not picking planter rows.	Follow planted rows to minimize ear loss.
	Row units not centered on rows.	Adjust corn head row spacing to equal row spacing of corn in field.
	Ears sliding out over gatherer chains.	Replace worn ear savers or reinstall previously removed ear savers.
	Gatherer chain speed too fast or too slow.	Change speed of variable speed feeder house or increase ground speed.
Ear Shelling at Stalk Rolls	Deck plates not adjusted correctly.	Adjust deck plates. Reduce gap between deck plates.
	Machine operating too high.	Raise point tip and run header lower.
Shelled Corn Coming out Rear of Combine	Excessive trash intake from corn head.	Change drive sprockets to increase drive speed (see "Adjustments" section). Open deck plate spacing on corn head.
	Ears Sliding out Through the Throat Ear savers worn out.	Replace ear savers.

Continued on next page

KM00321,0000042 -19-02SEP08-1/2

Troubleshooting

Symptom	Problem	Solution
Pulling up Corn Stalks	Deck plates set too close together.	Gradually open deck plates until stalks feed through rolls more freely.
	Traveling too fast for gatherer chain speed.	Slow down to meet crop conditions or increase row unit drive speed.
	Gatherer chain flights digging into cornstalk roots.	Lower point tip and run header higher.
	Corn too dry or down.	Remove ear savers.
Plugging	Worn stalk rolls.	Replace stalk rolls.
	Stalks breaking in stalk rolls or deck plates.	Adjust opening of deck plates. Also be sure deck plates are set equally and centered over center of rolls.
	Trash winds around stalk rolls.	Set trash knives closer to stalk rolls.
	Loose gathering chains.	Check gathering chain mechanism.
	Not picking planter rows.	Follow the rows to minimize ear loss.
	Ground speed too fast, causing material to overrun corn head.	Operate at a speed to meet yield and ground conditions. Faster speed causes plugging.
	Material not flowing with auger.	Check auger housing for obstructions and roughness. Check auger for 22 mm (7/8 in.) clearance between auger flight and floor. Check auger for 6 mm (1/4 in.) clearance between auger flighting and stripper.
	Corn stalks plugging in gatherer throat opening.	Remove ear savers.
	Worn stalk rolls.	Replace worn stalk rolls.
	Loss of Ear Corn from Weakened or Broken Stalks. Problem is Caused by Disease (Stalk Rot) or Insects (Corn Borers)	
	Contact of stalk with ear savers.	Remove ear savers.
	Ground speed too fast.	Reduce ground speed.
	Feeder house speed incorrect.	Find the correct speed for your conditions by trying different feeder house speeds.
	Worn stalk rolls.	Replace stalk rolls.

KM00321,0000042 -19-02SEP08-2/2

ACTIVE HEADER CONTROL (AHC)

Symptom	Problem	Solution
ACTIVE HEADER CONTROL (AHC) Will Not Operate	Manual raise or lower does not work.	See your John Deere dealer.
	ACTIVE HEADER CONTROL not enabled.	Enable ACTIVE HEADER CONTROL mode that is desired in cornerpost display unit.
	Feeder house to header connector not connected or loose.	Connect properly.
	Header sensor not properly connected or damaged.	Connect or repair sensor.
ACTIVE HEADER CONTROL Lowers But Will Not Raise.	Defective ACTIVE HEADER CONTROL relay or ACTIVE HEADER CONTROL card.	See your John Deere dealer.
ACTIVE HEADER CONTROL Raises But Will Not Lower	Defective ACTIVE HEADER CONTROL relay or ACTIVE HEADER CONTROL card.	See your John Deere dealer.
	Control shaft restricted.	Check for restriction.
	Auto drop rate valve closed.	Adjust in-line valve.
System Cycles or Hunts	Incorrect drop rate adjustment.	Adjust in-line valve.
	Incorrect accumulator setting.	See your combine Operator's Manual.
System Fails Intermittently After Manually Raising Header Over Obstacle.	System was de-activated.	To re-activate, press activation button in multifunction control handle.
Header Raises or Lowers Too Slow or Too Fast.	Incorrect drop rate adjustment.	Adjust valve stack drop rate.
	In-line valve problem.	See your John Deere dealer.

JK22594,000026B -19-31JUL07-1/1

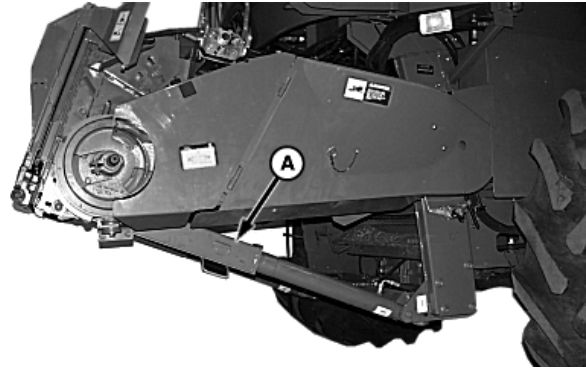
Service

Hydraulic Cylinder Safety Stop

CAUTION: When working under the corn head, always place the hydraulic cylinder safety stop in safety position to prevent header from lowering.

1. Start engine, raise feeder house and fully extend hydraulic cylinder to place safety stop in safety position.
2. (6620, 7720 and 8820 Combines) Disconnect support chain (A) from safety stop (B) and lower safety stop onto the cylinder rod.
3. (9400, 9500, 9600, 10 Series, and 50 Series Combines) Raise safety stop (A) from storage position and lower it down onto the cylinder rod.

After completing work on the corn head, place safety stop in storage position.



H70038 —JUN—19SEP01

A—Safety Stop

JK22594,000025E -19-23JUL07-1/1

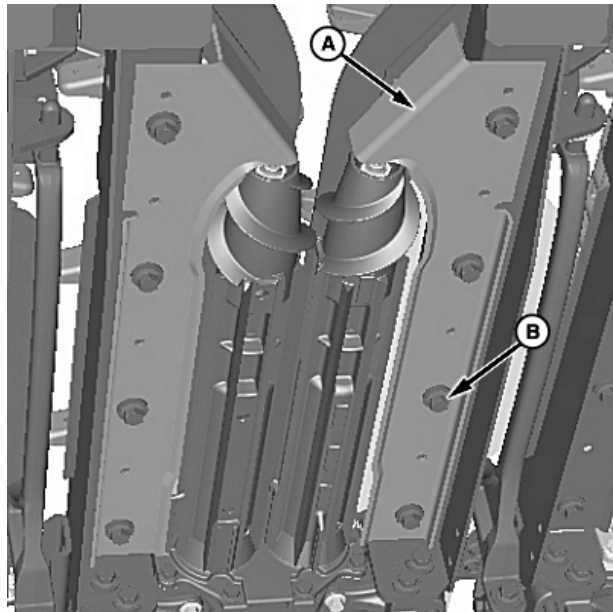
Remove and Install Stalk Rolls

CAUTION: Lower hydraulic cylinder safety stop before working under corn head.

1. Remove four cap screws (B), washers, and trash knife (A) from underside of row unit frame.

A—Trash Knife

B—Cap Screw (4 used)



H60471 —JUN—04JAN08

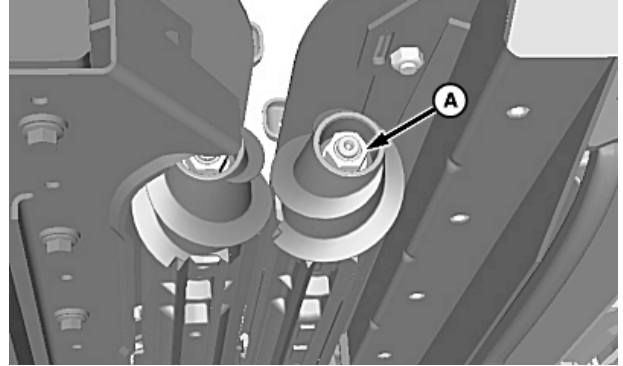
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OUO1078,0000611 -19-20MAY08-1/5

NOTE: Stalk rolls will turn when attempting to remove nut (A). Place a pry bar between the stalk roll and row unit frame to prevent stalk rolls from turning.

2. Remove and discard nut (A).

A—Nut

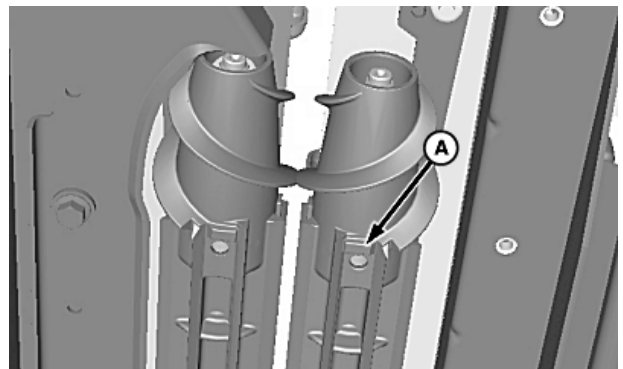


H90472 —UN—04/JAN08

OUO1078,0000611 -19-20MAY08-2/5

3. Stalk rolls can typically be pulled off by hand. If unable to do so locate the two ribs (A) on stalk roll. Remove stalk roll from shaft by attaching a 2-jaw puller to ribs.
4. Shaft taper should be free of rust and dirt. Inspect stalk rolls for wear or damage.

A—Stalk Roll Rib (2 used)



H90473 —UN—04/JAN08

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OUO1078,0000611 -19-20MAY08-3/5

IMPORTANT: Stalk roll spherical nut (A) contains a pre-applied thread locking patch (B) and cannot be reused. A replacement nut must be purchased from John Deere Service Parts.

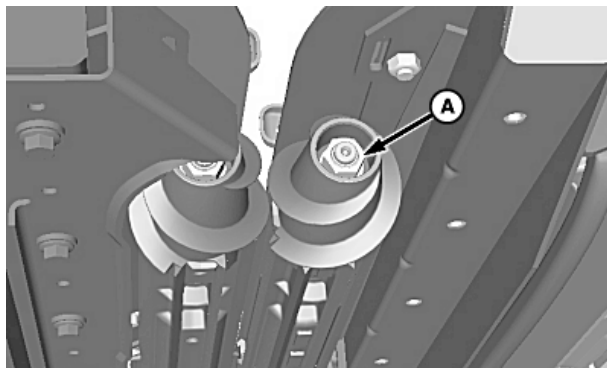
5. Align splines on stalk roll and shaft and install stalk roll.
6. Install replacement spherical nut (A) and tighten to specification.

Specification

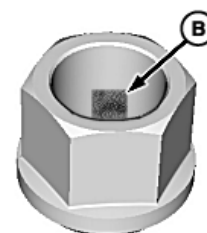
Stalk Roll Spherical Nut—Torque.....	400 N·m (295 lb-ft)
--------------------------------------	------------------------

A—Spherical Nut

B—Thread Locking Patch



H90472 —UN—04JAN08



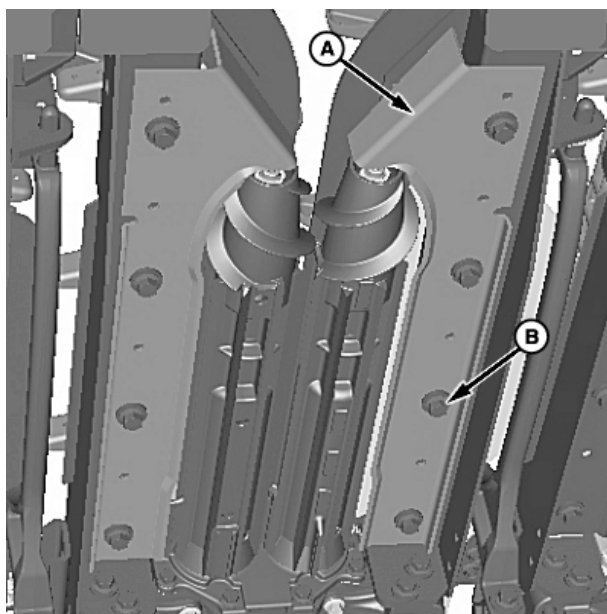
H90490 —UN—04JAN08

OUO1078,0000611 -19-20MAY08-4/5

7. Install trash knife (A) and retain using four washers and cap screws (B).
8. Adjust trash knives. (See ADJUST TRASH KNIVES in the Adjustments section.)
9. Repeat procedure on opposite stalk roll.

A—Trash Knife

B—Cap Screw (4 used)



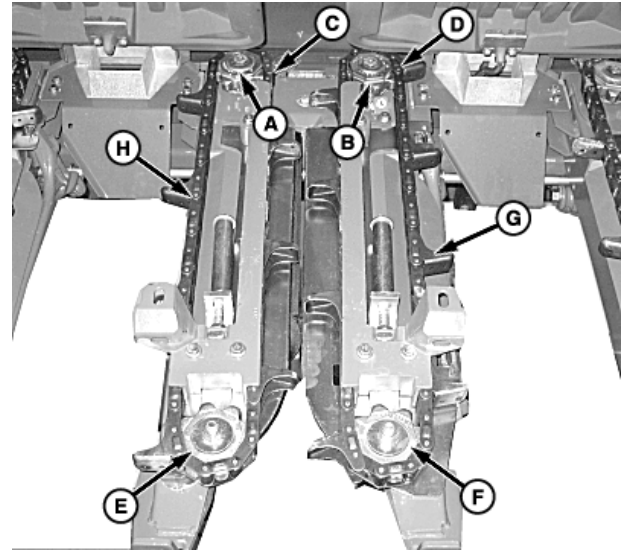
H90471 —UN—04JAN08

OUO1078,0000611 -19-20MAY08-5/5

Reversing Gatherer Chains and Sprockets for Additional Wear

The gatherer chains and sprockets can be reversed for additional wear. This should be done to all row units at the same time. To reverse the chains and sprockets:

1. Release tension on gatherer chains and remove chains.
2. Remove rear sprockets (A) and (B).
3. Install sprocket (A) on row unit (D).
4. Install sprocket (B) on row unit (C).
5. Remove sprockets (E) and (F).
6. Install sprocket (E) on row unit (D).
7. Install sprocket (F) on row unit (C).
8. Turn gatherer chain (G) over and install on row unit (C).
9. Turn gatherer chain (H) over and install on row unit (D).



A—Rear Sprockets
B—Rear Sprockets
C—Row Unit
D—Row Unit

E—Sprocket
F—Sprocket
G—Gathering Chain
H—Gathering Chain

JK22594,0000260 -19-20MAY08-1/1

Replacing Gatherer Chain

CAUTION: Raise corn head, turn engine off, remove key, and lower safety stop before working under header.

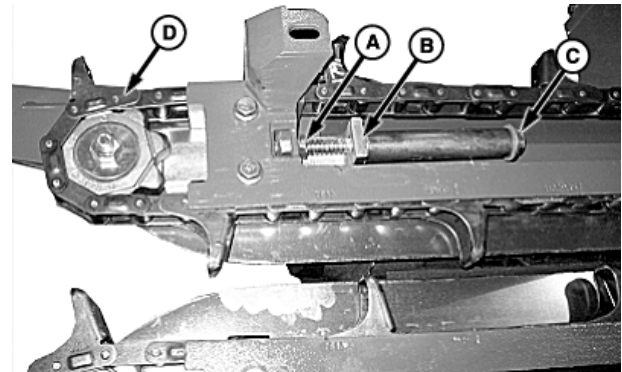
NOTE: Gatherer chains have chrome pins for longer wear life. Black pin or chrome pin chains are available from your John Deere dealer.

If gatherer chain breaks, or is badly worn, replace with a new chain.

Gatherer chains can be removed for servicing parts of the gatherer mechanism without disconnecting the chain.

CAUTION: Never service any part of the mechanism or idler sprocket until you have nut (A) tight against leg of idler support strap (B).

1. Turn nut (A) until it is against leg of idler support strap (B), to release gatherer chain tension.



A—Nut
B—Leg of Strap

C—Bolt
D—Gatherer Chain

2. Loosen bolt (C) if necessary until tension is off chain.
3. Remove gatherer chain (D).

JK22594,0000261 -19-20MAY08-1/1

Remove and Install Oil Pan

NOTE: Place pan under drain plug to capture oil.
Dispose oil properly, do not reuse.

1. Remove drain plug (A).

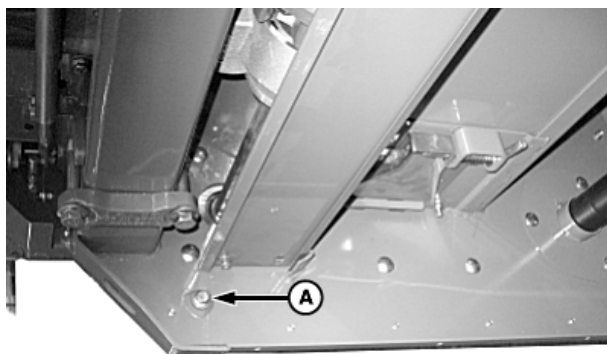
IMPORTANT: Avoid damage to reusable seal on pan. Do not use sharp objects to pry between pan and corn head.

2. Remove cap screws and washers (B) and oil pan (C).

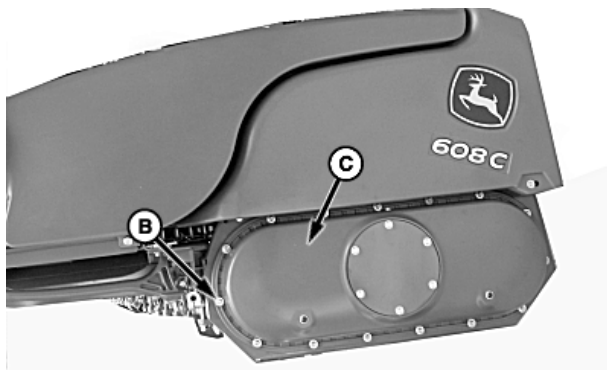
A—Drain Plug

C—Oil Pan

B—Cap Screws and Washers



H89238 —UN—12JUL07



H89240 —UN—12JUL07

KM00321,0000043 -19-02SEP08-1/3

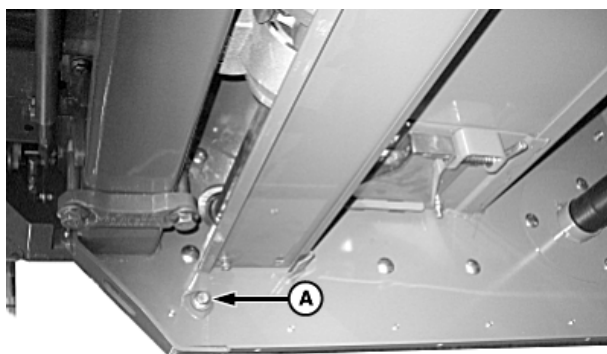
NOTE: When retaining pan with cap screws, start in center and move outward.

3. Reinstall drain plug (A).
4. Clean all dirt and oil from side sheet where oil pan is mounted. Reinstall oil pan with cap screws and washers (B).

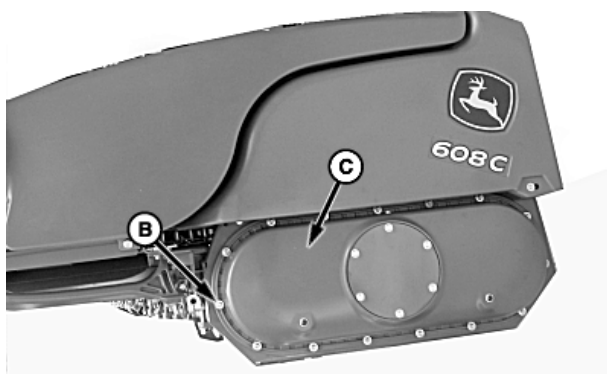
A—Drain Plug

C—Oil Pan

B—Cap Screws and Washers



H89238 —UN—12JUL07



H89240 —UN—12JUL07

Continued on next page

KM00321,0000043 -19-02SEP08-2/3

- Remove fill plug (B) from cover (A).

IMPORTANT: Oil level should be checked with corn head on combine and row unit skids touching ground (approximately a 25 degree angle).

- Fill pan with 80/90 weight gear oil or until oil is level with bottom of plug (B).
- Install plug (B).

Specification

Oil Pan—Capacity..... 0.9 L
1 qt.

A—Cover

B—Fill Plug



KM1000676

KM1000676 —UN—02SEP08

KM00321,0000043 -19-02SEP08-3/3

Wear Strips

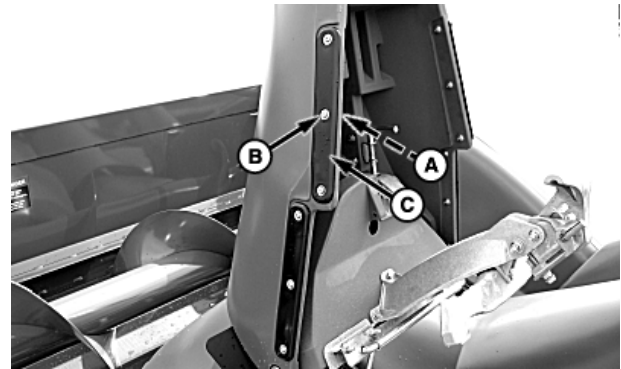
- Remove nut and washer (A).
- Remove bolt and washer (B).
- Remove wear strip and install (C) new wear strip in reverse order.

Specification

Wear Strip Nut—Torque..... 10 N·m
7.38 lb·ft

A—Nut and Washer
B—Bolt and Washer

C—Wear Strip



H88972 —UN—23JUL07

JK22594,0000269 -19-20MAY08-1/1

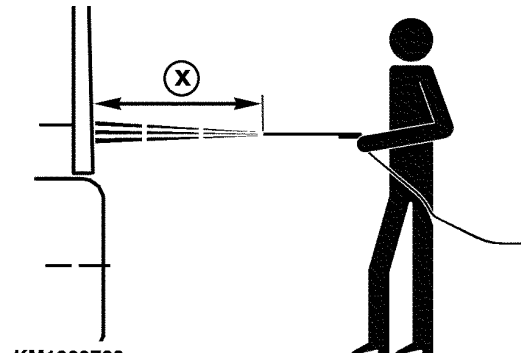
Cleaning Corn Head

Remove loose crop by means of compressed air and/or a hand brush.

When using high pressure/steam cleaners, keep a minimum distance (X) of 250 mm (9.84 in.). Refer to specifications for the maximum temperature and maximum pressure.

Specification

High pressure/steam cleaner—Max. temperature..... 50 °C (122 °F)
High pressure/steam cleaner—Max. pressure..... 8000 kPa (80 bar; 1160 psi)



KM1000798

X—250 mm (9.84 in.)

KM1000798 —UN—09MAR09

KM00321,0000126 -19-09MAR09-1/1

Storage

End of Season Service

IMPORTANT: Do not use high pressure washer spray directly on bearings or any other area that might be damaged by water. High pressure water can get past most seals and cause damage. Dry these areas, then lube and run combine.

CAUTION: Support the corn head with either the hydraulic cylinder safety stop or with blocks, or lower it to ground level.

1. Clean the corn head thoroughly. Chaff and dirt will draw moisture and cause rust.

2. Lubricate the corn head. Grease the threads on adjusting bolts.
3. Paint all parts from which paint has worn.
4. Use a polymer protectorate on the points, deck covers and end fenders.
5. If possible, shelter the corn head in a dry place.
6. Order repair parts needed for next season.

JK22594,00000B9 -19-09AUG06-1/1

Beginning of Season Service

1. Clean the corn head thoroughly.
2. Adjust gatherer chains to proper tension.
3. Adjust chains to proper tension.
4. Lubricate corn head completely.

5. Go over complete corn head and see that all bolts are tight and cotter pins are spread.
6. Run corn head at half-speed for a few minutes. Check bearings for overheating or excessive looseness.
7. Review your operator's manual.

NS43404,0000055 -19-20MAY08-1/1

Specifications

Specifications

Specifications given in the manual are intended for service only and do not include normal factory manufacturing tolerances.

Gatherer Points		Low profile floating type hinged above gatherer chains
Center and Outer Gatherers		hinged, quick-removable
Gatherer Chains		Heavy-duty 620 endless steel roller chain with chromed pins (no master connecting link)
Minimum Clearance Between Gatherer Chains and Ground		32 mm (1-1/4 in.)
Row Unit Drive		Enclosed gear box with gears submerged in lubricant; driven by input hex. shafts
Gatherer Chain Adjustment		Spring loaded-self-adjusting
Stalk Rolls		Spiral-pointed, flute-type (2 per row unit)
Deck Plate Adjustment		Hydraulic Adjusted
Slip Clutch		One per row unit plus auger drive
Trash Knives		Full length one piece heat-treated steel

Approximate Overall Width:

Model	Row Spacing	Width mm (in.)
606C	70 cm (27.5 in.)	4375 mm (14 ft 4.2 in.)
606C	75 cm (29.5 in.), 76.2 cm (30 in.)	4575 mm (15 ft 0.1 in.)
608C	70 cm (27.5 in.)	5675 mm (18 ft 7.4 in.)
608C	75 cm (29.5 in.), 76.2 cm (30 in.)	6075 mm (19 ft 11.9 in.)

Approximate Transport Width:

Model	Row Spacing	Width mm (in.)
606C and 608C	70 cm (27.5 in.)	3100 mm (10 ft 2 in.)
606C and 608C	75 cm (29.5 in.), 76.2 cm (30 in.)	3300 mm (10 ft 9.9 in.)

Approximate Overall Length:

606C and 608C		3200 mm (10 ft 5.9 in.)
---------------	--	-------------------------

Approximate Transport Height:

606C and 608C		2275 mm (7 ft 5.6 in.)
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Approximate Operating Height:

606C and 608C		1300 mm (4 ft 3.2 in.)
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Approximate Weight of Corn Head:

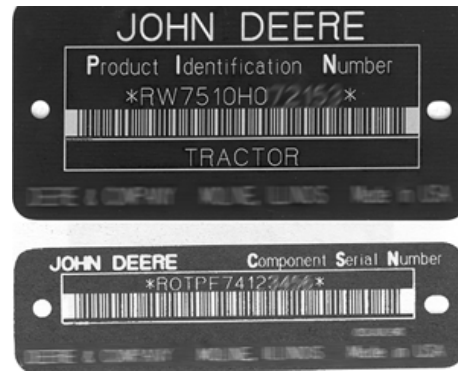
Model	Row Spacing	Weight kg (lb.)
606C	70 cm (27.5 in.)	2585 kg (5699 lb.)
606C	75 cm (29.5 in.), 76.2 cm (30 in.)	2620 kg (5776 lb.)
608C	70 cm (27.5 in.)	3215 kg (7088 lb.)
608C	75 cm (29.5 in.), 76.2 cm (30 in.)	3260 kg (7187 lb.)

NOTE: Specifications and design subject to change without notice.

KM00321.0000342 -19-09JUL10-1/1

Keep Proof of Ownership

1. Maintain in a secure location an up-to-date inventory of all product and component serial numbers.
2. Regularly verify that identification plates have not been removed. Report any evidence of tampering to law enforcement agencies and order duplicate plates.
3. Other steps you can take:
 - Mark your machine with your own numbering system
 - Take color photographs from several angles of each machine

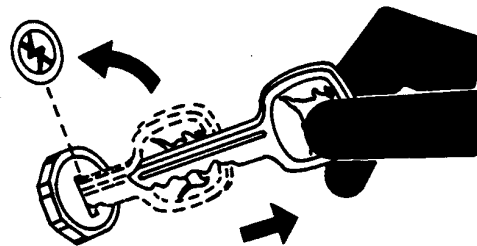


TS1680—UN—09DEC03

DX,SECURE1 -19-18NOV03-1/1

Keep Machines Secure

1. Install vandal-proof devices.
2. When machine is in storage:
 - Lower equipment to the ground
 - Set wheels to widest position to make loading more difficult
 - Remove any keys and batteries
3. When parking indoors, put large equipment in front of exits and lock your storage buildings.
4. When parking outdoors, store in a well-lighted and fenced area.
5. Make note of suspicious activity and report any thefts immediately to law enforcement agencies.
6. Notify your John Deere dealer of any losses.

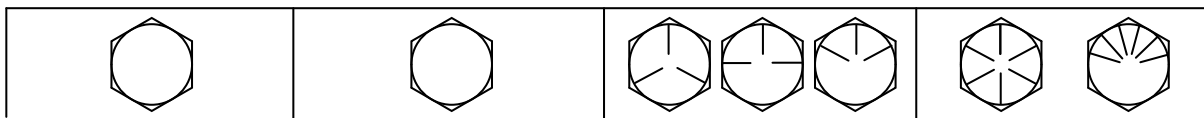


TS230—UN—24MAY89

DX,SECURE2 -19-18NOV03-1/1

Unified Inch Bolt and Screw Torque Values

TS1671 —UN—01MAY03



Bolt or Screw Size	SAE Grade 1				SAE Grade 2 ^a				SAE Grade 5, 5.1 or 5.2				SAE Grade 8 or 8.2			
	Lubricated ^b		Dry ^c		Lubricated ^b		Dry ^c		Lubricated ^b		Dry ^c		Lubricated ^b		Dry ^c	
	N·m	lb.-in.	N·m	lb.-in.	N·m	lb.-in.	N·m	lb.-in.	N·m	lb.-in.	N·m	lb.-in.	N·m	lb.-in.	N·m	lb.-in.
1/4	3.7	33	4.7	42	6	53	7.5	66	9.5	84	12	106	13.5	120	17	150
													N·m	lb.-ft.	N·m	lb.-ft.
5/16	7.7	68	9.8	86	12	106	15.5	137	19.5	172	25	221	28	20.5	35	26
									N·m	lb.-ft.	N·m	lb.-ft.				
3/8	13.5	120	17.5	155	22	194	27	240	35	26	44	32.5	49	36	63	46
			N·m	lb.-ft.	N·m	lb.-ft.	N·m	lb.-ft.								
7/16	22	194	28	20.5	35	26	44	32.5	56	41	70	52	80	59	100	74
	N·m	lb.-ft.														
1/2	34	25	42	31	53	39	67	49	85	63	110	80	120	88	155	115
9/16	48	35.5	60	45	76	56	95	70	125	92	155	115	175	130	220	165
5/8	67	49	85	63	105	77	135	100	170	125	215	160	240	175	305	225
3/4	120	88	150	110	190	140	240	175	300	220	380	280	425	315	540	400
7/8	190	140	240	175	190	140	240	175	490	360	615	455	690	510	870	640
1	285	210	360	265	285	210	360	265	730	540	920	680	1030	760	1300	960
1-1/8	400	300	510	375	400	300	510	375	910	670	1150	850	1450	1075	1850	1350
1-1/4	570	420	725	535	570	420	725	535	1280	945	1630	1200	2050	1500	2600	1920
1-3/8	750	550	950	700	750	550	950	700	1700	1250	2140	1580	2700	2000	3400	2500
1-1/2	990	730	1250	930	990	730	1250	930	2250	1650	2850	2100	3600	2650	4550	3350

Torque values listed are for general use only, based on the strength of the bolt or screw. DO NOT use these values if a different torque value or tightening procedure is given for a specific application. For plastic insert or crimped steel type lock nuts, for stainless steel fasteners, or for nuts on U-bolts, see the tightening instructions for the specific application. Shear bolts are designed to fail under predetermined loads. Always replace shear bolts with identical grade.

Replace fasteners with the same or higher grade. If higher grade fasteners are used, tighten these to the strength of the original. Make sure fastener threads are clean and that you properly start thread engagement. When possible, lubricate plain or zinc plated fasteners other than lock nuts, wheel bolts or wheel nuts, unless different instructions are given for the specific application.

^aGrade 2 applies for hex cap screws (not hex bolts) up to 6. in (152 mm) long. Grade 1 applies for hex cap screws over 6 in. (152 mm) long, and for all other types of bolts and screws of any length.

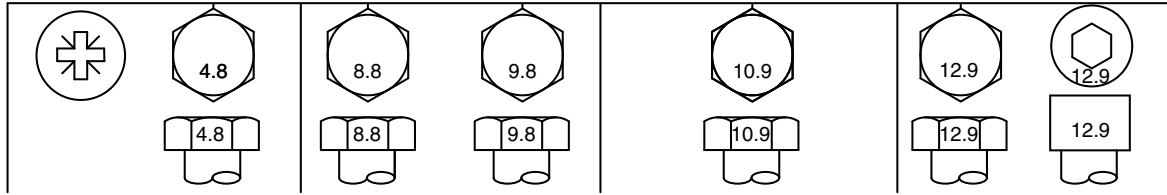
^b"Lubricated" means coated with a lubricant such as engine oil, fasteners with phosphate and oil coatings, or 7/8 in. and larger fasteners with JDM F13C zinc flake coating.

^c"Dry" means plain or zinc plated without any lubrication, or 1/4 to 3/4 in. fasteners with JDM F13B zinc flake coating.

DX,TORQ1 -19-08DEC09-1/1

Metric Bolt and Screw Torque Values

TS1670 —UN—01MAY03



Bolt or Screw	Class 4.8				Class 8.8 or 9.8				Class 10.9				Class 12.9			
	Lubricated ^a		Dry ^b		Lubricated ^a		Dry ^b		Lubricated ^a		Dry ^b		Lubricated ^a		Dry ^b	
Size	N·m	lb.-in.	N·m	lb.-in.	N·m	lb.-in.	N·m	lb.-in.	N·m	lb.-in.	N·m	lb.-in.	N·m	lb.-in.	N·m	lb.-in.
M6	4.7	42	6	53	8.9	79	11.3	100	13	115	16.5	146	15.5	137	19.5	172
									N·m	lb.-ft.	N·m	lb.-ft.	N·m	lb.-ft.	N·m	lb.-ft.
M8	11.5	102	14.5	128	22	194	27.5	243	32	23.5	40	29.5	37	27.5	47	35
			N·m	lb.-ft.	N·m	lb.-ft.	N·m	lb.-ft.								
M10	23	204	29	21	43	32	55	40	63	46	80	59	75	55	95	70
	N·m	lb.-ft.														
M12	40	29.5	50	37	75	55	95	70	110	80	140	105	130	95	165	120
M14	63	46	80	59	120	88	150	110	175	130	220	165	205	150	260	190
M16	100	74	125	92	190	140	240	175	275	200	350	255	320	235	400	300
M18	135	100	170	125	265	195	330	245	375	275	475	350	440	325	560	410
M20	190	140	245	180	375	275	475	350	530	390	675	500	625	460	790	580
M22	265	195	330	245	510	375	650	480	725	535	920	680	850	625	1080	800
M24	330	245	425	315	650	480	820	600	920	680	1150	850	1080	800	1350	1000
M27	490	360	625	460	950	700	1200	885	1350	1000	1700	1250	1580	1160	2000	1475
M30	660	490	850	625	1290	950	1630	1200	1850	1350	2300	1700	2140	1580	2700	2000
M33	900	665	1150	850	1750	1300	2200	1625	2500	1850	3150	2325	2900	2150	3700	2730
M36	1150	850	1450	1075	2250	1650	2850	2100	3200	2350	4050	3000	3750	2770	4750	3500

Torque values listed are for general use only, based on the strength of the bolt or screw. DO NOT use these values if a different torque value or tightening procedure is given for a specific application. For stainless steel fasteners or for nuts on U-bolts, see the tightening instructions for the specific application. Tighten plastic insert or crimped steel type lock nuts by turning the nut to the dry torque shown in the chart, unless different instructions are given for the specific application.

Shear bolts are designed to fail under predetermined loads. Always replace shear bolts with identical property class. Replace fasteners with the same or higher property class. If higher property class fasteners are used, tighten these to the strength of the original. Make sure fastener threads are clean and that you properly start thread engagement. When possible, lubricate plain or zinc plated fasteners other than lock nuts, wheel bolts or wheel nuts, unless different instructions are given for the specific application.

^a“Lubricated” means coated with a lubricant such as engine oil, fasteners with phosphate and oil coatings, or M20 and larger fasteners with JDM F13C zinc flake coating.

^b“Dry” means plain or zinc plated without any lubrication, or M6 to M18 fasteners with JDM F13B zinc flake coating.

DX,TORQ2 -19-08DEC09-1/1

EC Declaration of Conformity

Deere & Company
Moline, Illinois U.S.A.

The person named below declares that

Machine type: Corn Head

Model: 606C and 608C

fulfills all relevant provisions and essential requirements of the following directives:

DIRECTIVE	NUMBER	CERTIFICATION METHOD
Machinery directive	2006/42/EC	Self-certification
General safety requirements for agricultural machines	DIN EN ISO 4254-1	Self-certification
Machine safety	DIN EN ISO 12100	Self-certification
Safety of forage harvesters and combines	DIN EN 632	Self-certification
Safety of Power take-off (PTO) drive shafts and their guards	DIN EN 12965	Self-certification

Name and address of the person in the European Community authorized to compile the technical construction file:

Henning Oppermann
 Deere & Company European Office
 John Deere Strasse 70
 Mannheim, Germany D-68163
 EUConformity@JohnDeere.com

Place of declaration: 48703 Stadtlohn,
 Germany

Date of declaration: 01 October 2009

Manufacturing unit: Kemper Stadtlohn

Name: Norbert A. Weiland

Title: Managing Director



DXCE01—UN—28APR09

KM00321,0000341 -19-09JUL10-1/1

Serial Number

Corn Head Type Plate

- A—Type
- B—Model designation
- C—Product identification number
- D—Weight
- E—Year of construction
- F—Model year

The diagram shows a rectangular plate with the following fields and labels:

- A** points to the "John Deere" logo.
- B** points to the "Type / Model" field.
- C** points to the "Product Identification Number" field.
- D** points to the "Weight" and "Max. axle load" fields, which include "KG" units.
- E** points to the "Constr. year" field.
- F** points to the "Model year" field.

Additional text on the plate includes a CE mark and "Maschinenfabrik Kemper GmbH & Co KG 48703 Stadthorn".

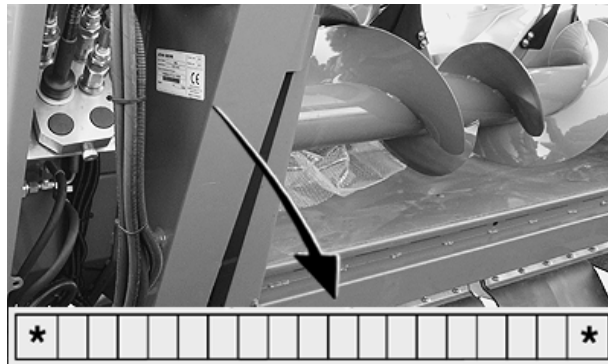
KM1001015

KM1001015 —UN—06OCT09

KM00321,0000343 -19-09JUL10-1/1

Serial Number

When ordering parts, always quote the corn head serial number. The serial number is on the plate at the left side of the frame. Record the number in the space provided.



KM1001227 —UN—09JUL10

KM00321,0000344 -19-09JUL10-1/1

Index

	Page		Page
A		Every 200 hours of operation	
Adjust, auger drive chain	45- 9	Inspection	
Adjustable Deck Plate	40- 7	Chains	55- 2
Adjusting Auger	45- 8	Lubrication	55- 3
Adjusting Deck Plates		Auger drive chain	55- 3
Hydraulic Accumulator	45- 4	Row unit drive chain oil	55- 3
Armrest		Row unit gear case grease level	55- 4
Switches		Slip clutches	55- 5
Road transport disconnect (black).....	10- 4	StalkMaster gear case oil level.....	55- 5
Attaching.....	30- 1	F	
Auger	40- 9	Feeder house latching	30- 7
Auger drive chain lubrication	55- 3	Feeder house manual unlatching	30- 7
Auger drive chain, adjust	45- 9	Feeder house pins (cleanout).....	30- 7
Auger, Adjust	45- 8	Folding the Corn Head	35- 2
B		G	
Beginning of Season Service	70- 1	Gatherer Chains, Replacing and Repairing.....	65- 4
Bolt and screw torque values		Gatherers.....	40- 3
Metric	75- 4	Adjusting Gatherer Chain Flights	45- 3
Unified inch	75- 3	Adjusting Gatherer Chain Tension	45- 3
C		Raising Center Gatherer Shields	40- 4
Cab		Removing Center Gatherer Shields	40- 4
Switches		Gatherers, Adjusting Gatherer Points.....	45- 1
Road transport disconnect (black).....	10- 4	Gatherers, Leveling Gatherer Points	45- 1
Chain		Gatherers, Removing Ear Savers.....	40- 6
Auger chain service	55- 2	Grease	
Gatherer chain service.....	55- 2	Corn head	50- 1
Row unit drive chain service	55- 2	Extreme pressure and multipurpose	50- 1
Chopping gear cases		H	
Slip clutch lubrication	55- 5	Hardware torque values	
Chopping gear cases oil.....	55- 7	Metric	75- 4
Cleaning Corn Head	65- 6	Unified inch	75- 3
Combines With Fixed-Chain-Drive Feeder House ...	40- 3	Haulage	
Connections.....	30- 1	Preparing the Corn Head for Haulage	20- 1
Corn Head		Header	
Attaching	30- 1	Single point adjusting.....	30- 5
Drive Shaft	30- 1	Single point latching pin adjusting.....	30- 7
Latching	30- 1	Header Removal from Feeder House.....	30- 4
Corn Head Drive.....	40- 2	Hydraulic Accumulator.....	45- 4
Corn Head Drive Speeds.....	40- 2	Hydraulic Cylinder Safety Stop.....	65- 1
Corn head grease.....	50- 1	I	
E		Identification View.....	00- 1
Ear Savers.....	40- 6	Inspect chains.....	55- 2
End Fenders and Points		K	
Raising and Removing.....	40- 6	Knife Stalk Rolls	40- 7
End of Season Service.....	70- 1		
Every 1000 hours of operation			
Lubrication	55- 7		
Chopping gear cases oil.....	55- 7		

Continued on next page

	Page		Page
L		Row Unit, Adjusting Row Spacing	45- 5
Lowering Active Header Control (AHC)		Row Unit, Adjusting Row Unit Drive Chain.....	45- 7
Ground Sensors (Optional).....	40- 5	Row Unit, Adjusting Row Unit Drive Sprockets	
Lubricant		with Fixed Speed Drive	45- 7
Mixing.....	50- 2	Row Unit, Combine.....	45- 7
Storage	50- 1	Row Unit, Coupling the Chain	45- 9
Lubrication		S	
Every 1000 hours.....	55- 7	Safety	
Chopping gear cases oil.....	55- 7	Pictorial safety signs	15- 1
Every 200 hours.....	55- 3	Serial Number.....	80- 1
Auger drive chain	55- 3	Service.....	65- 1
Row unit drive chain oil	55- 3	Every 50 Hours of Operation	55- 1
Row unit gear case grease level	55- 4	Lubrication	
Slip clutches	55- 5	Every 1000 hours	55- 7
StalkMaster gear case oil level.....	55- 5	Chopping gear cases oil	55- 7
Lubrication Intervals		Every 200 hours	55- 3
Every 50 Hours	55- 1	Auger drive chain.....	55- 3
Lubrication Symbols	55- 1	Inspect and adjust chains	55- 2
M		Row unit drive chain oil.....	55- 3
Metric bolt and screw torque values	75- 4	Row unit gear case grease level.....	55- 4
Mixing lubricants.....	50- 2	Slip clutches.....	55- 5
Multi-coupler adjusting.....	30- 5	StalkMaster gear case oil level.....	55- 5
Multi-coupler adjusting feeder house pins	30- 7	Shear screw multi-coupler	30- 8
Multi-function Handle, Adjustable Deck Plate.....	40- 7	Single point latching adjusting	30- 5
O		Single point latching pin adjusting	30- 7
Oil Pan, Remove/Install		Slip clutches	
Drain Oil	65- 5	Lubrication	55- 5
Operating the Corn Head		Specifications	75- 1
Adjusting Corn Head Properly	40- 1	Speeds	40- 2
Drive and Operate Carefully	40- 1	Stalk rolls	
General Information	40- 1	Remove and install	65- 1
Harvesting Corn with Weakened or Broken Stalks	40- 3	Stalk Rolls	40- 7
Harvesting Popcorn	40- 3	StalkMaster	
StalkMaster Chopper	40- 2	Checking Oil.....	40- 8
Starting In TheField.....	40- 1	Operation	40- 8
Outer Gatherer Extensions.....	40-10	Slip clutch lubrication	55- 5
P		StalkMaster chopping knives	
Preparing the Corn Head		Remove and install	40- 9
Removing the Transport Pallet	25- 1	StalkMaster gear case oil level.....	55- 5
R		Starting in the Field.....	40- 1
Remove and Install Oil Pan	65- 5	Storage	70- 1
Removing Header from Feeder House.....	30- 4	Storing lubricants.....	50- 1
Reversing Gatherer Chains and Sprockets	65- 4	Switches	
Row Unit.....	40- 6	Road transport disconnect (black)	10- 4
Row unit drive chain oil.....	55- 3	T	
Row unit gear case grease level	55- 4	Torque charts	
Row Unit, Adjusting Deck Plates	45- 4	Metric	75- 4
		Unified inch	75- 3
		Transport	
		Accident Prevention	35- 2
		Driving on Public Roads.....	35- 1
		Folding the Corn Head.....	35- 2
		Lowering Outer Gatherer Extensions.....	35- 1

Continued on next page

	Page
Raising Active Header Control (AHC)	
Ground Sensors (Optional)	35- 1
Transport Combine with Corn Head Installed	10- 5
Trash knives	
Adjust.....	45- 2
Troubleshooting	60- 1
Type Plate.....	80- 1

U

Unified inch bolt and screw torque values	75- 3
Unlatching feeder house manually	30- 7

W

"Wear Strips"	
"Gatherer, Wear Strips"	65- 6

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John Deere Parts

We help minimize downtime by putting genuine John Deere parts in your hands in a hurry.

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