



DCY

606C and 608C Corn Heads

(Serial No. 117200 -)

OPERATOR'S MANUAL 606C and 608C Corn Heads OMLCA97560 ISSUE J1 (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
PRINTED IN U.S.A.



OMLCA97560

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	
Identification View.....	00-1
Corn Head Safety Features	
Corn Head Safety Features.....	05-1
Safety	
Recognize Safety Information	10-1
Understand Signal Words.....	10-1
Observe Road Traffic Regulations.....	10-1
Wear Protective Clothing.....	10-2
Follow Safety Instructions.....	10-2
Prepare for Emergencies.....	10-2
Store Attachments Safely	10-3
Ballasting for Safe Ground Contact	10-3
Parking and Leaving the Combine	10-3
Avoid Contact With Moving Parts	10-4
Use Safety Lights and Devices.....	10-4
Road Transport Disconnect Switch (Black)	10-4
Transport Combine with Corn Head Installed.....	10-5
Stay Clear of Header.....	10-5
Avoid Entanglement	10-5
Stay Clear of Rotating Drivelines.....	10-6
Practice Safe Maintenance.....	10-6
Service Machines Safely	10-7
Guards and Shields.....	10-7
Support Machine Properly	10-7
Avoid High-Pressure Fluids	10-8
Remove Paint Before Welding or Heating.....	10-8
Avoid Heating Near Pressurized Fluid Lines	10-8
Dispose of Waste Properly	10-9
Replace Safety Signs	10-9
Safety Decals	
Pictorial Safety Signs.....	15-1
Operator's Manual.....	15-1
Repair and Maintenance	15-1
Chopper.....	15-2
Corn Head	15-2
Corn Head Auger.....	15-3
Outer Gatherer Extensions.....	15-3
Folding Area	15-4
Corn Head Foldable Frame.....	15-4
Corn Head	15-5
Hydraulic System.....	15-5
Haulage	
Preparing the Corn Head for Haulage.....	20-1
Preparing the Corn Head	
Unpacking.....	25-1
Removing the Transport Pallet	25-1
Transport	
Driving on Public Roads	30-1
Lowering Outer Gatherer Extensions	30-1
Folding/Unfolding the Corn Head (Combines up to MY 2011)	30-1
Folding/Unfolding the Corn Head (Combines from MY 2012)	30-2
Accident Prevention.....	30-2
Attaching and Detaching	
Attaching Corn Head to Feeder House	35-1
Detaching Corn Head from Feeder House	35-4
Single Point Latching—Adjusting	35-5
Level Land Feeder House Lower End Cable—Adjusting	35-7
Feeder House Latching Pins (Cleanout)	35-7
Feeder House Manual Unlatching	35-7
Latching Cable Shear Screw Location	35-8
Operating Corn Head	
General Information.....	40-1
Starting in the Field.....	40-1
Adjust Corn Head Properly.....	40-1
Drive and Operate Carefully	40-1
StalkMaster™ Chopper	40-2
Armrest Controls.....	40-3
Engage/Disengage Corn Head Drive	40-4
Corn Head Drive Speeds.....	40-4
Combines With Fixed-Speed Feeder House	40-4
Harvesting Corn With Weakened or Broken Stalks	40-5
Harvesting Popcorn	40-5
Gatherers.....	40-5
Raising and Removing Inner Gatherer Points and Shields	40-6
Raising and Tilting Outer Gatherer Points and Shields	40-8
Ear Savers.....	40-8

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.

COPYRIGHT © 2011
DEERE & COMPANY
European Office Mannheim
All rights reserved.
A John Deere ILLUSTRATION © Manual

	Page		Page
Row Units	40-9	Remove and Install StalkMaster™	
Stalk Rolls.....	40-9	Chopping Knife Blades.....	70-9
Hydraulic Adjustable Deck Plates.....	40-10	Cleaning Corn Head	70-9
Auger	40-11		
Outer Gatherer Extensions.....	40-11	Storage	
Engaging and Disengaging		End of Season Service	75-1
StalkMaster™ Chopping Knives	40-12	Beginning of Season Service	75-1
Attachments and Options		Specifications	
Stalk Rolls.....	45-1	Specifications	80-1
Active Header Control Ground Sensors		Keep Proof of Ownership	80-2
(Optional)	45-1	Keep Machines Secure	80-2
StalkMaster™ Chopping Gear Cases		Unified Inch Bolt and Screw Torque Values.....	80-3
(Optional)	45-2	Metric Bolt and Screw Torque Values.....	80-4
AutoTrac RowSense.....	45-2	EC Declaration of Conformity	80-5
Adjustments		Serial Number	
Adjusting and Leveling Gatherer Points	50-1	Corn Head Type Plate	85-1
Adjusting Trash Knives	50-2	Serial Number.....	85-1
Adjusting Gatherer Chain Tension.....	50-3		
Adjusting Gatherer Chain Flights.....	50-3		
Adjusting Deck Plates.....	50-4		
Adjusting Row Spacing.....	50-5		
Adjusting Row Unit Drive Chain	50-6		
Adjusting Row Unit Drive Sprockets			
(Combines with Fixed-Speed			
Feeder House).....	50-7		
Adjusting Auger Height.....	50-8		
Coupling the Chain.....	50-9		
Adjusting Auger Drive Chain	50-10		
Lubrication			
Corn Head Grease	55-1		
Grease	55-1		
Lubricant Storage	55-1		
Alternative and Synthetic Lubricants	55-1		
Mixing of Lubricants.....	55-2		
Lubrication and Maintenance			
Lubrication Symbols	60-1		
Every 50 Hours of Operation	60-1		
Inspect and Adjust Chains - Every 200			
Hours of Operation	60-2		
Every 200 Hours of Operation	60-3		
Every 1000 Hours of Operation	60-7		
Troubleshooting			
Corn Head	65-1		
Active Header Control (AHC)	65-3		
Service			
Feeder House Safety Stop	70-1		
Remove and Install Stalk Rolls.....	70-1		
Reversing Gatherer Chains and			
Sprockets for Additional Wear.....	70-5		
Remove and Install Gatherer Chain	70-6		
Remove and Install Oil Pan	70-7		
Remove and Install Wear Strips	70-8		

Identification View

Identification View



KM1000637

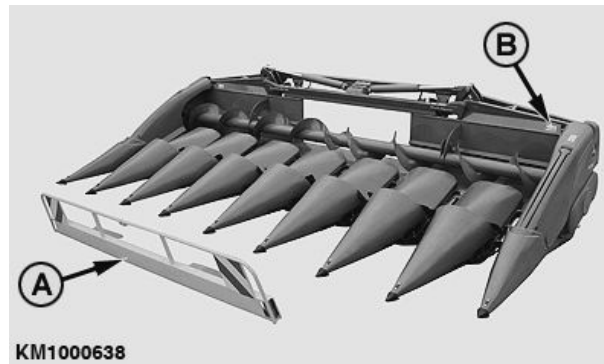
608C Corn Head shown

KM1000637 —UN—25SEP08

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

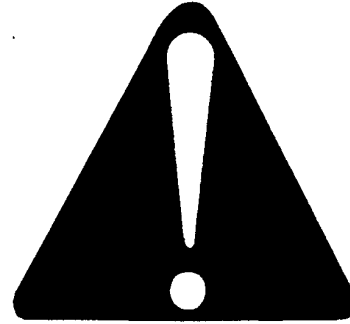
KM1000638 —UN—25SEP08

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

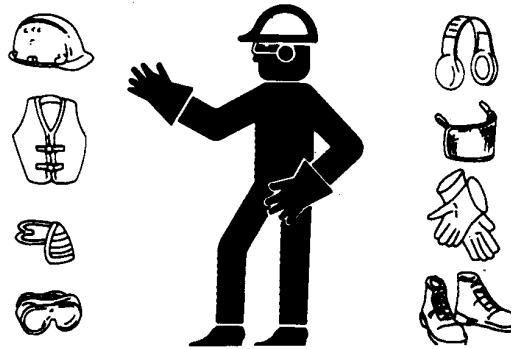
Wear Protective Clothing

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.

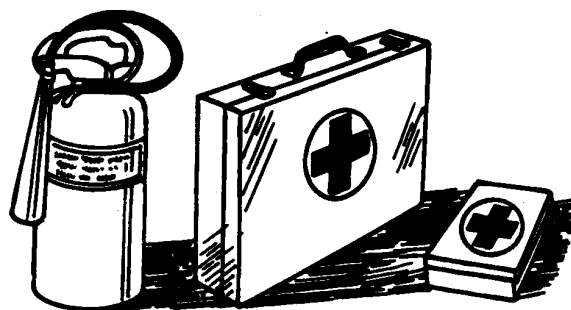
DX,READ -19-16JUN09-1/1

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.



TS201 —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

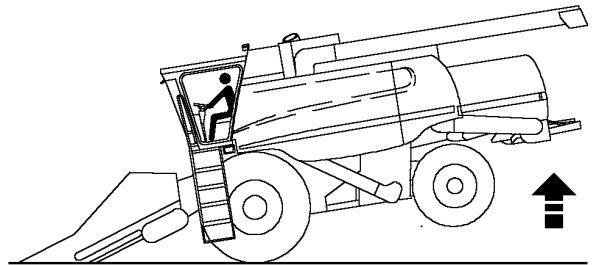
DX,STORE -19-03MAR93-1/1

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

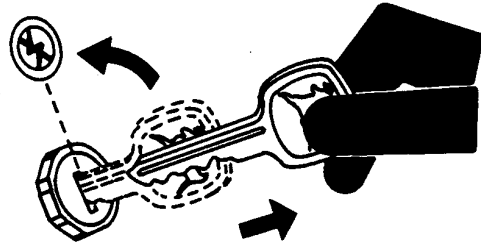
Parking and Leaving the Combine

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.



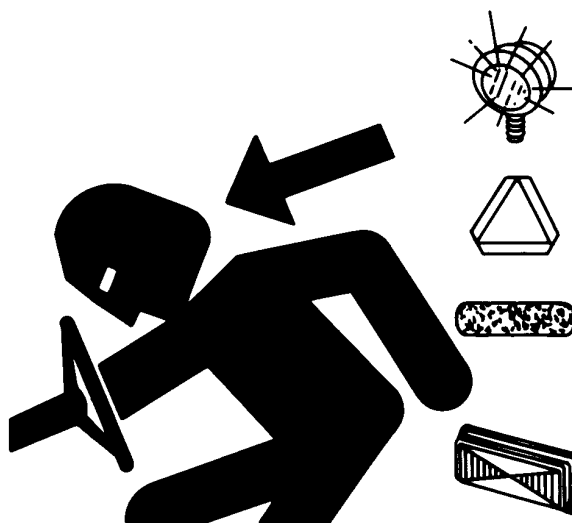
TS256 —UN—23AUG88

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

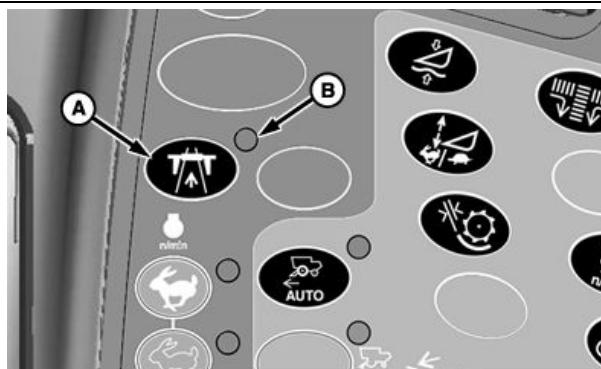
Road Transport Disconnect Switch (Black)

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

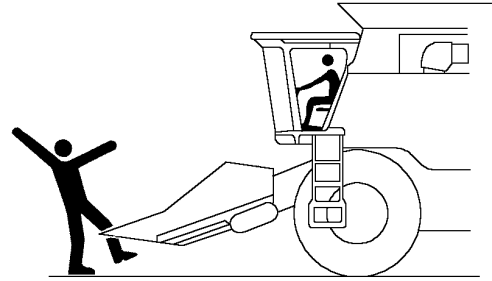
turn OFF allowing the desired function switches to operate again.

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.



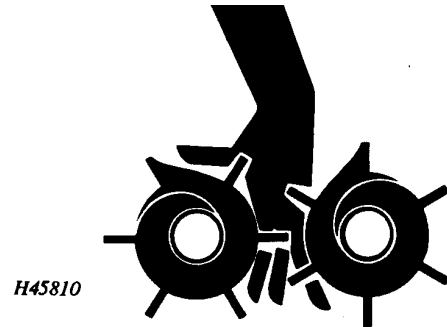
H42442

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

OOU6035,000146A -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.



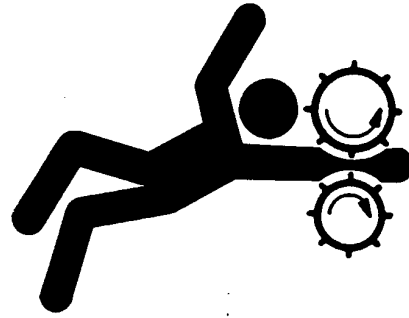
TS218 —UN—23AUG88

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

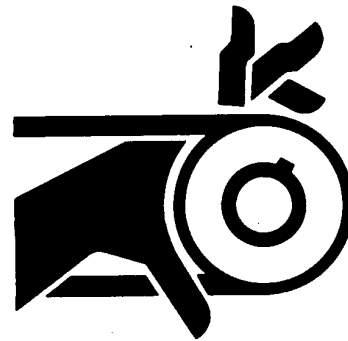
DX, LOOSE -19-04JUN90-1/1

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

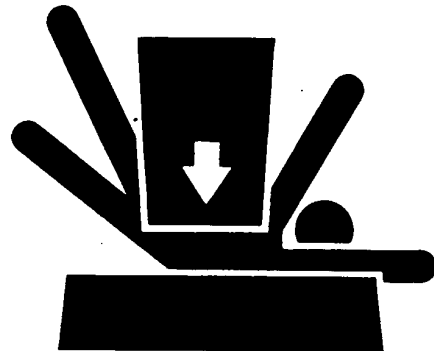
JK22594,00000E5 -19-15AUG06-1/1

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

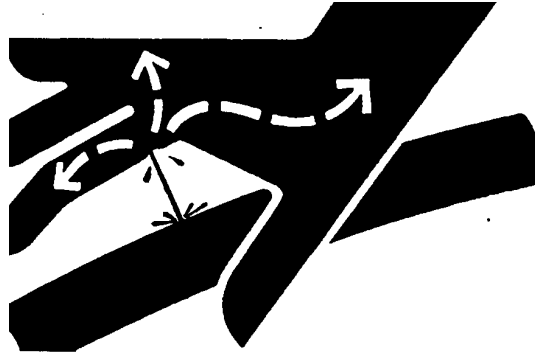
Avoid High-Pressure Fluids

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

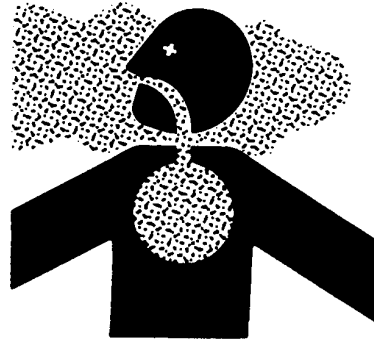
Avoid potentially toxic fumes and dust.

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

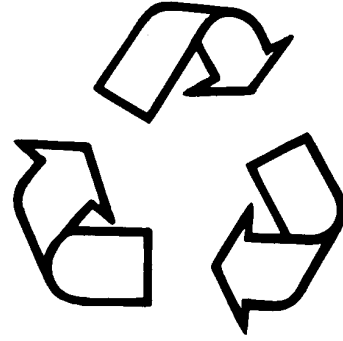
Improperly disposing of waste can threaten the environment and ecology. Potentially harmful waste used with John Deere equipment include such items as oil, fuel, coolant, brake fluid, filters, and batteries.

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.

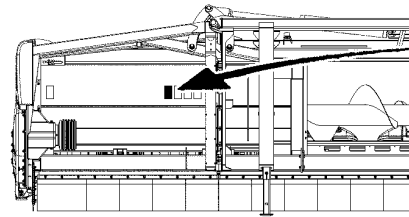


TS231 —19—07OCT88

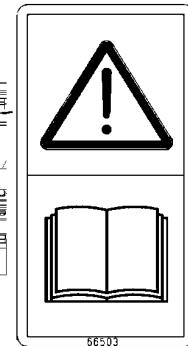
OUO6075,0004057 -19-10AUG05-1/1

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

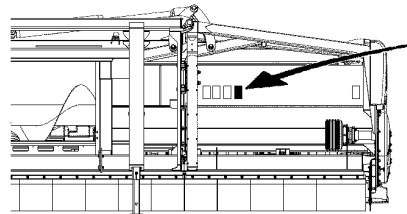


KM1000639 —UN—28AUG08

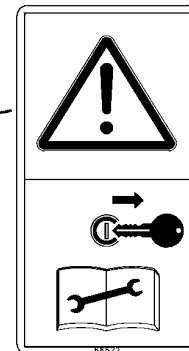
KM00321,0000028 -19-28AUG08-1/1

Repair and Maintenance

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



KM1000640



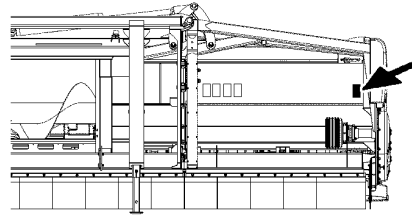
KM1000640 —UN—28AUG08

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

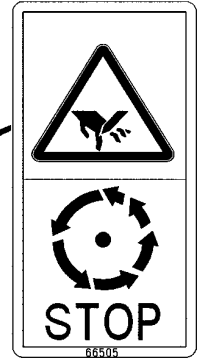
Chopper

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

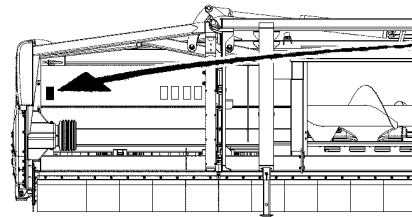
The rotating blades are not immediately stopped when the machine is shut down.



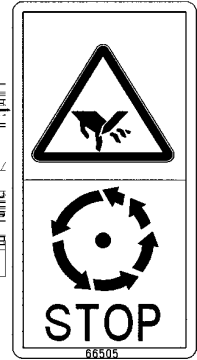
KM1000641



KM1000641 —UN—28AUG08



KM1000642



KM1000642 —UN—28AUG08

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

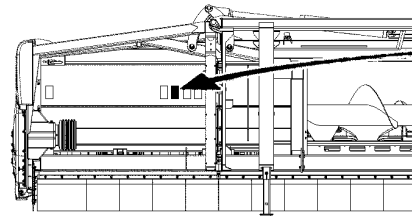
Corn Head

Stay clear of rotating parts to avoid personal injury.

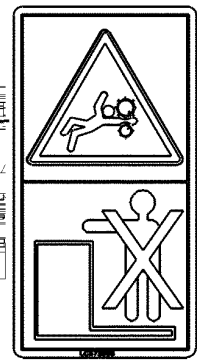
Arms, legs or loose clothing might become caught by the rotating parts when in operation.

Always keep the required safety distance from the rotating parts.

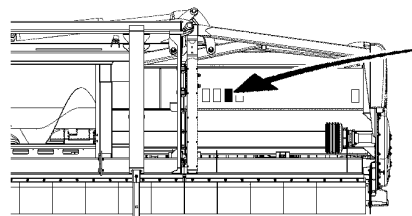
Wait until all moving parts have stopped.



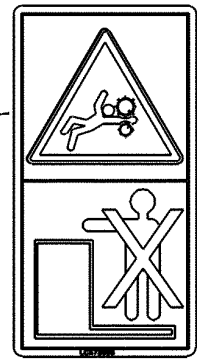
KM1000644



KM1000644 —UN—28AUG08



KM1000645

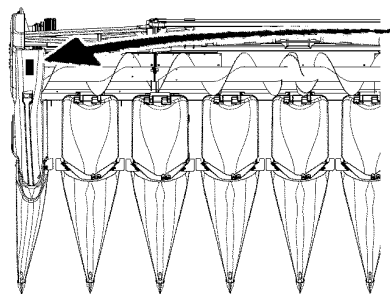


KM1000645 —UN—28AUG08

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

Corn Head Auger

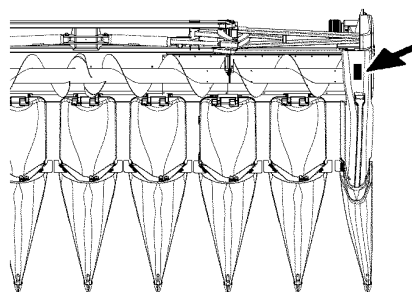
DANGER - Stay clear of corn head. Disengage corn head drive, shut off engine and remove key before servicing or unclogging header.



KM1000652



KM1000652 —UN—28AUG08



KM1000653

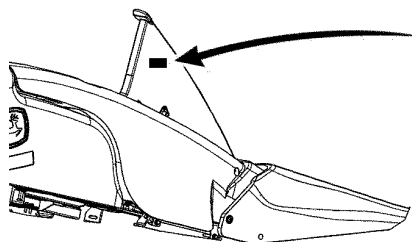


KM1000653 —UN—28AUG08

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

Outer Gatherer Extensions

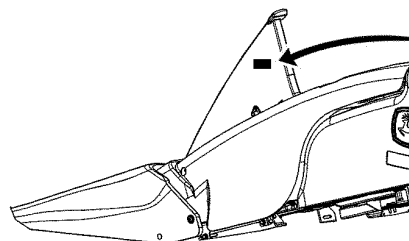
Do not reach into the crushing danger area when raising or lowering outer gatherer extensions.



KM1001222



KM1001222 —UN—07JUL10



KM1001228



KM1001228 —UN—09JUL10

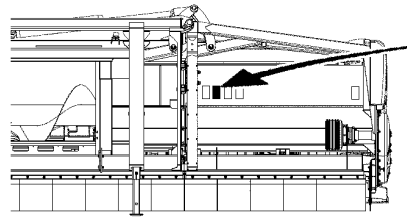
KM00321,0000337 -19-09JUL10-1/1

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.

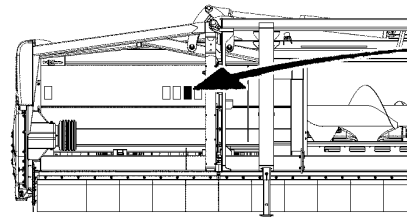
Before folding or unfolding, ensure that all persons keep the required safety distance from the corn head.



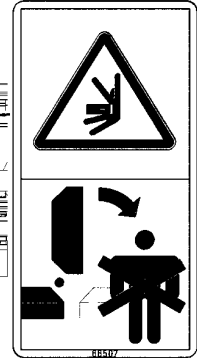
KM1000646



KM1000646 —UN—28AUG08



KM1000647

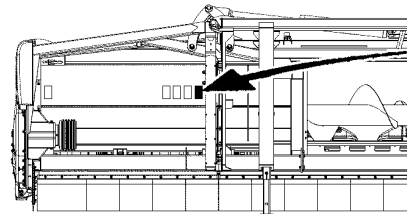


KM1000647 —UN—28AUG08

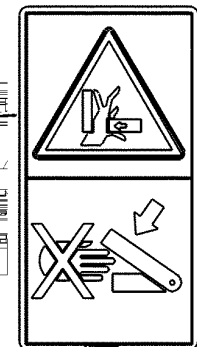
KM00321,000002D -19-28AUG08-1/1

Corn Head Foldable Frame

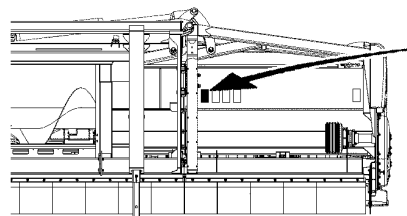
Never reach into the crushing danger area as long as the outer end sections may move.



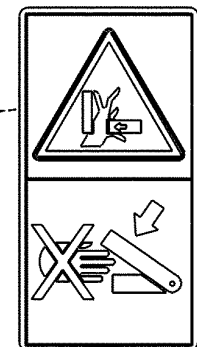
KM1000648



KM1000648 —UN—28AUG08



KM1000649

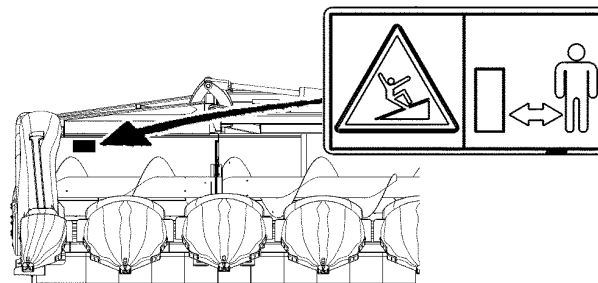


KM1000649 —UN—28AUG08

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

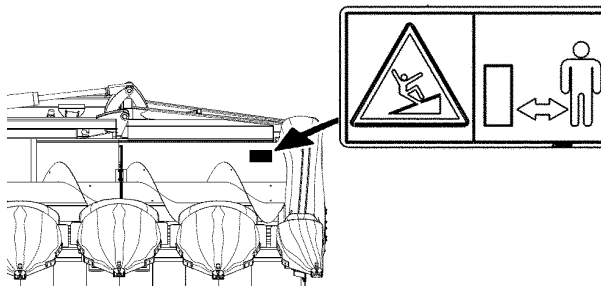
Corn Head

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



KM1000650

KM1000650 —UN—28AUG08



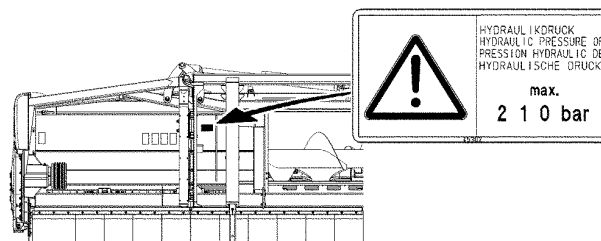
KM1000651

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

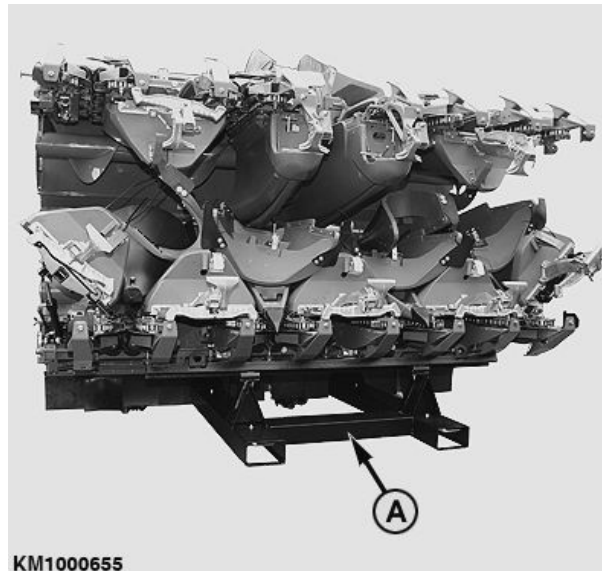
Preparing the Corn Head for Haulage

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



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.

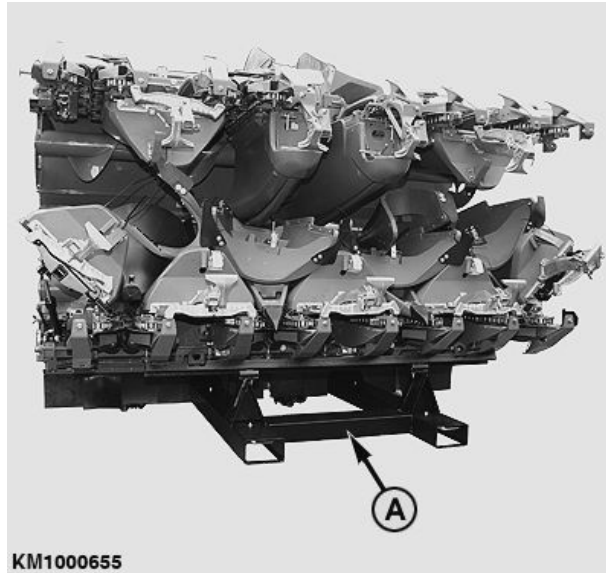
KM00321,0000038 -19-01SEP08-1/1

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

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

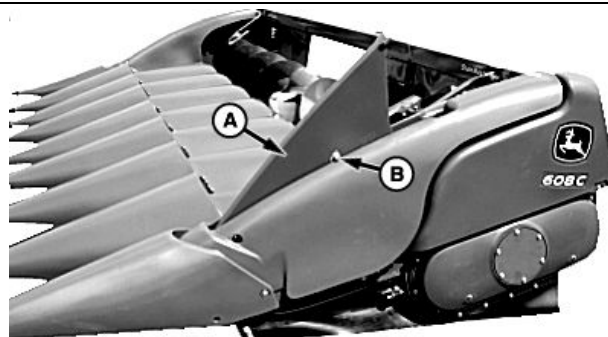
CAUTION: Extensions (A) are spring-loaded. Pay extreme attention when raising or lowering extensions to prevent risk of crushing.

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

Folding/Unfolding the Corn Head (Combines up to MY 2011)

CAUTION: Risk of SERIOUS injury! Before folding or unfolding the corn head, make sure that no-one is standing near the corn head.

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

KM00321,0000506 -19-26SEP11-1/1

Folding/Unfolding the Corn Head (Combines from MY 2012)

1. Press folding function shortcut switch (A).

NOTE: Folding function shortcut switch (A) gives direct access to screen for functions "Open/Close Grain Tank Cover" or "Fold/Unfold Corn Head".

A—Folding Function Shortcut Switch



H94727—UN—27JAN10

KM00321,0000507 -19-06OCT11-1/2

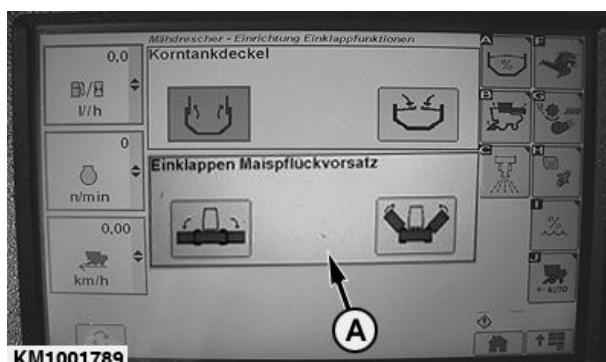
2. Folding Function Settings:

- Grain Tank Covers
 - Open Icon
 - Close Icon
- Foldable Corn Head
 - Unfold Icon
 - Fold Icon

NOTE: The foldable corn head icon (A) is only displayed when the foldable corn head is installed.

When icon (A) is highlighted, press confirm switch until the folding/unfolding process is completed.

A—Foldable Corn Head Icon



KM1001789

KM1001789—UN—06OCT11

KM00321,0000507 -19-06OCT11-2/2

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.

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.



KM1000666

KM1000666—UN—25SEP08

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

Attaching and Detaching

Attaching Corn Head to Feeder House

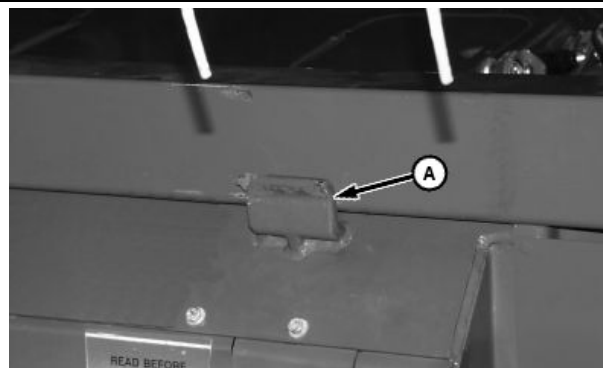
IMPORTANT: See your combine operator's manual for specific tires required when operating the header.

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.

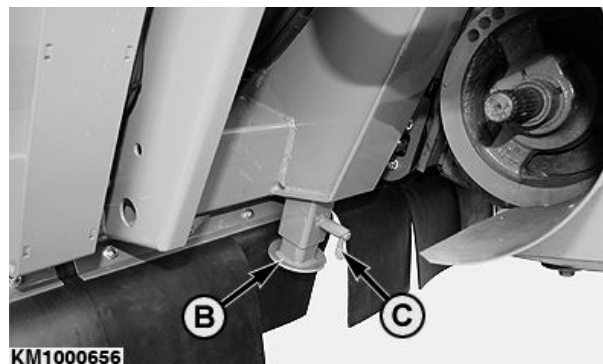
1. Sound horn, start engine and lower feeder house.
2. Drive combine slowly forward until feeder house is centered in attachment frame opening.
3. Raise corn head completely, making sure two hooks (A) on feeder house catch front side of main frame beam of corn head.
4. Set parking brake, shut off engine, 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



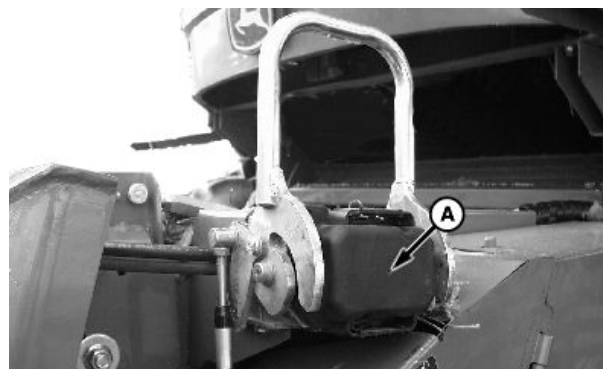
KM1000656 —UN—29AUG08

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

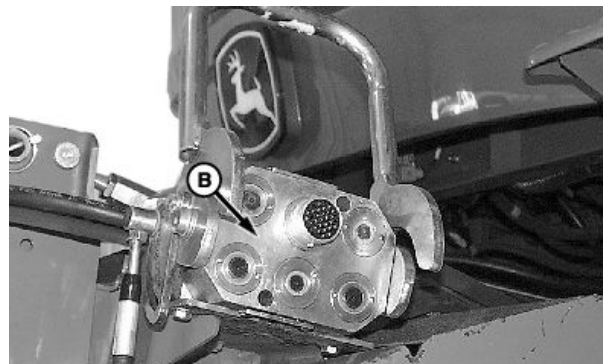
6. Remove cover (A) and clean multi-coupler face (B).

A—Cover

B—Multi-coupler Face



H74036 —UN—19NOV02



H74037 —UN—05NOV02

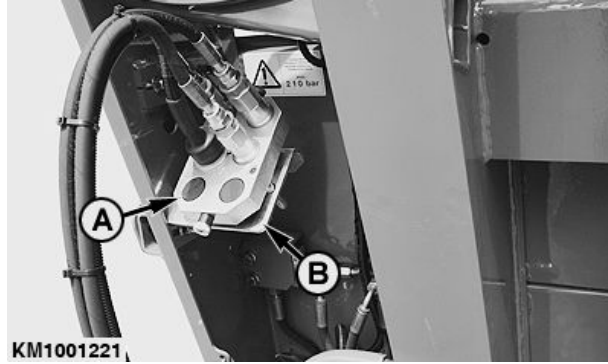
Continued on next page

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.)

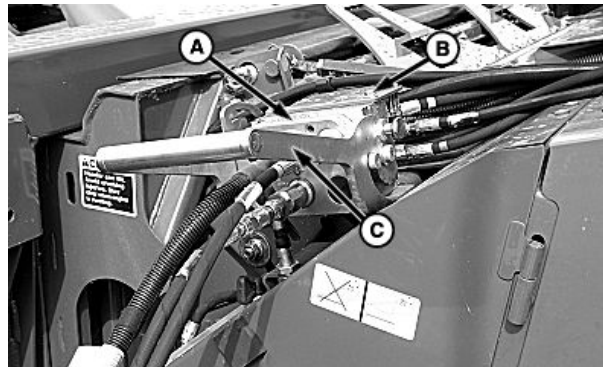
With header attached, latch pins should move freely through latch plate holes. If latch pins do not extend through the latch plates, make sure that the latching plates on the header are properly adjusted.

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

A—Multi-coupler

C—Handle

B—Receptacle



H8284—UN—20JUL07

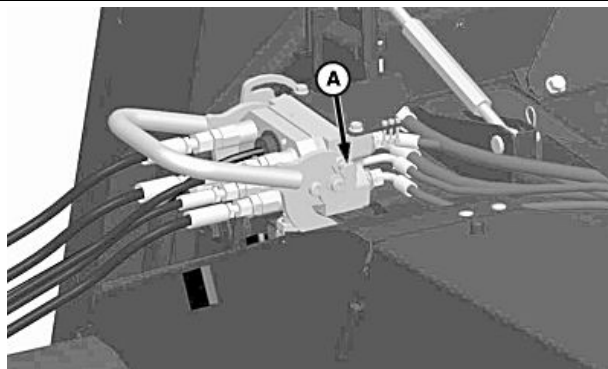
KM00321,0000336 -19-22JUN10-4/7

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

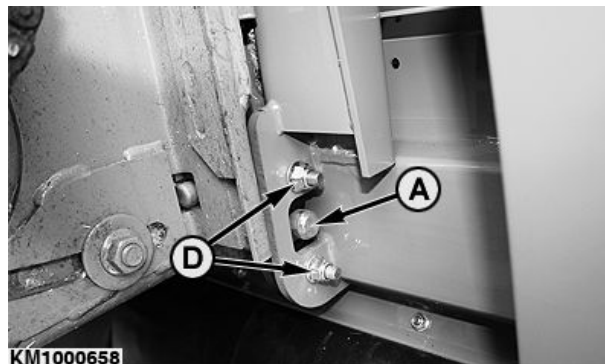
2. Latch pins (A) should move freely through latch plate holes (B) in header when multi-coupler is latched. This may require latch plate (C) to be adjusted.
3. **If adjustment is needed:** Loosen nuts (D) and align latch plate (C).
4. Tighten nuts (D) to M12 specification.

Specification

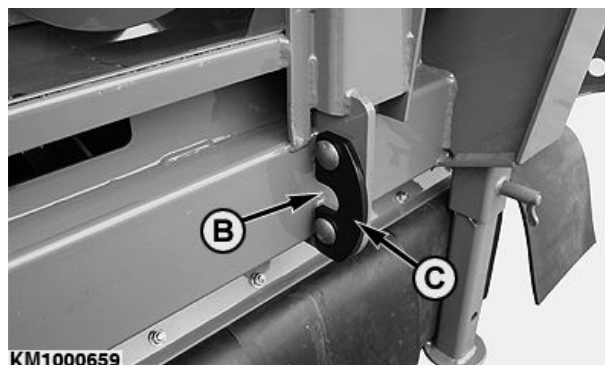
M12 Cap
Screws—Torque.....130 N·m
(96 lb·ft)

A—Latch Pin
B—Latch Plate Hole

C—Latch Plate
D—Nuts



KM1000658 —UN—29AUG08



KM1000659 —UN—29AUG08

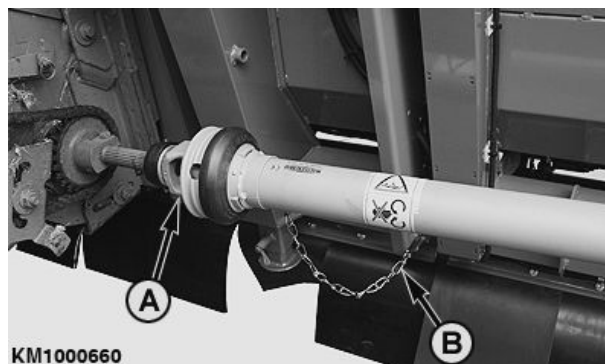
KM00321,0000336 -19-22JUN10-6/7

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).

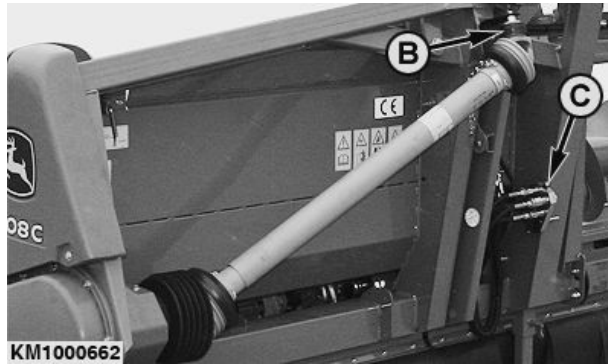
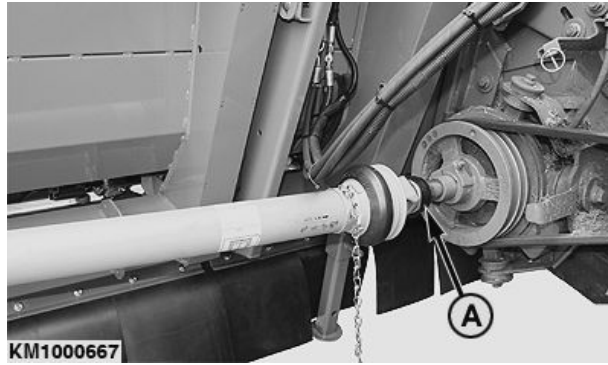
IMPORTANT: Latch pins are not to be actuated with header on the ground. If multi-coupler must be actuated with header on ground, unhook cable from handle.

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

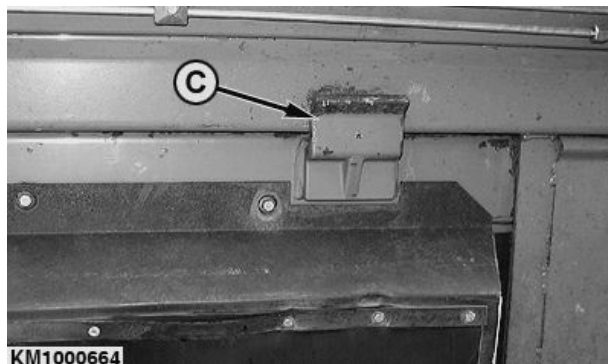
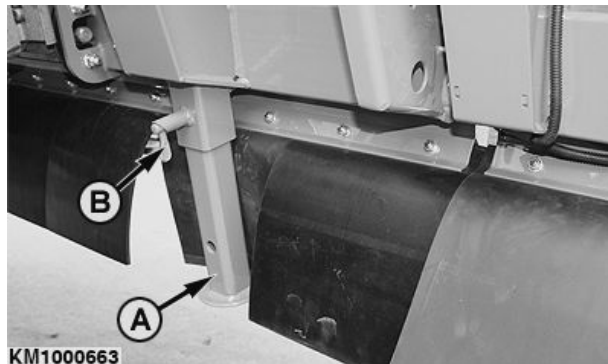
5. Lower the corn head to the ground.
6. Shut off the combine's engine, remove the key from the ignition and apply the parking brake.

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.

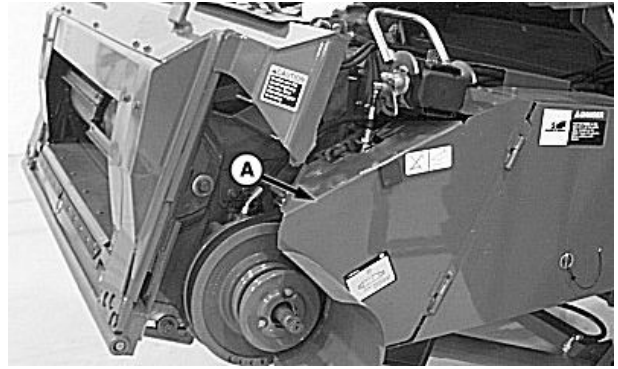
1. Open left-hand feeder house shield (A).
2. Loosen cable jam nuts (B).

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.

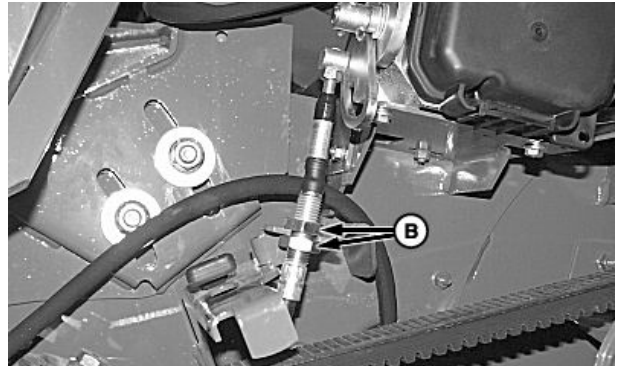
3. Rest multi-coupler handle against stop.

A—Shield

B—Jam Nuts



H78649 —UN—17OCT03



H78650 —UN—17OCT03

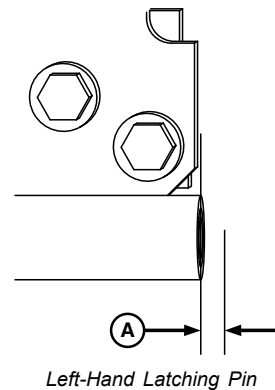
JK22594,0000094 -19-27JUL06-1/4

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



Left-Hand Latching Pin

H79344 —UN—10DEC03

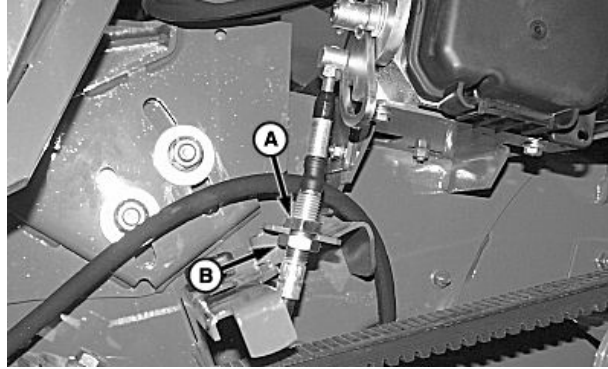
Continued on next page

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.

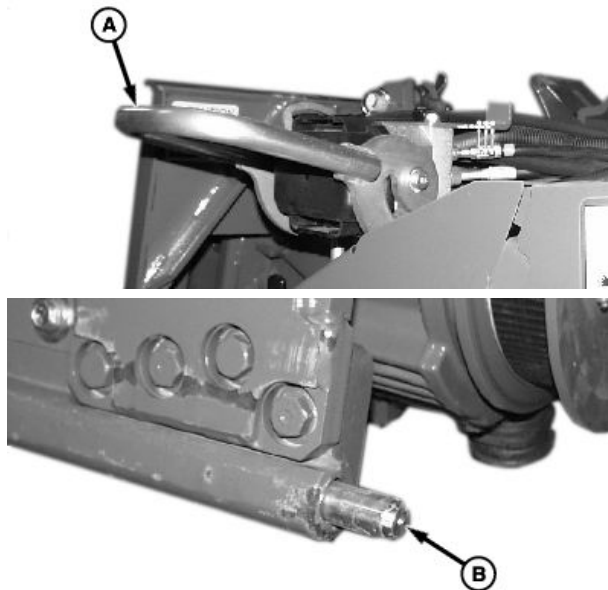
6. Fully lower multi-coupler handle (A) and verify pins (B) (both sides) are set to specification. Readjust if not set to specification.

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

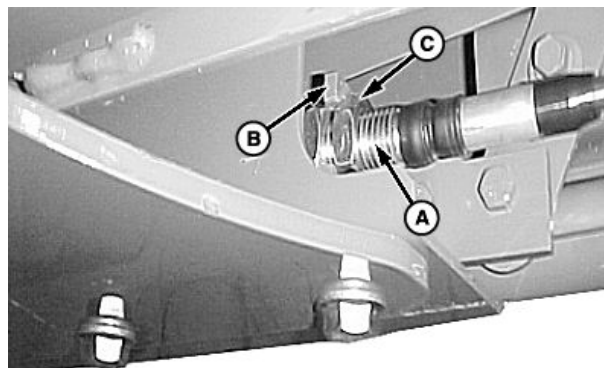
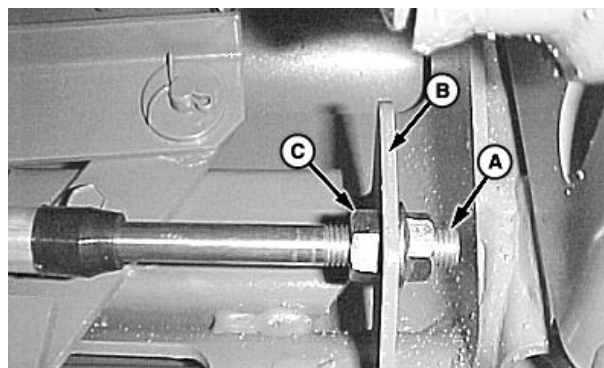
Adjustments should be made to the lower end of the latching cable if the threads (A) are not centered in the bracket (B).

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

Tighten jam nuts.

A—Threads
B—Bracket

C—Jam Nuts



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



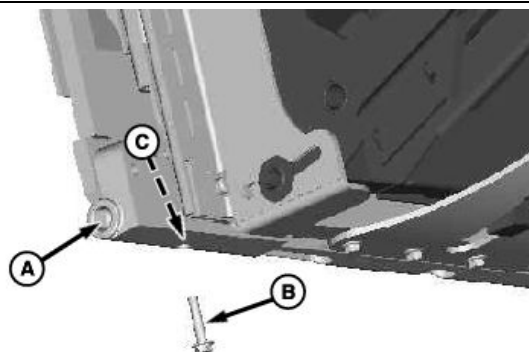
MH81805,0000701 -19-17MAR05-1/1

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



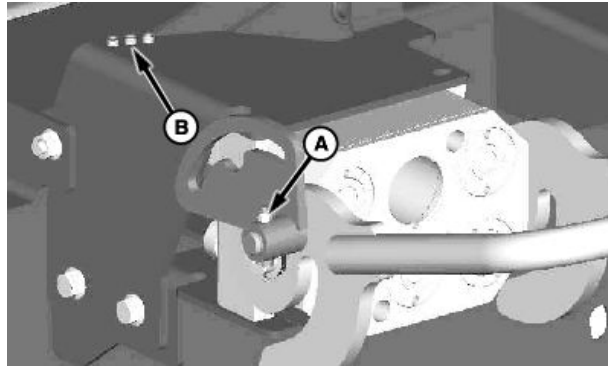
MH81805,0000702 -19-17MAR05-1/1

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

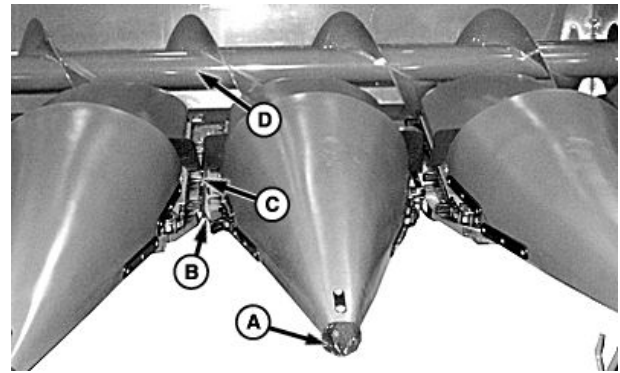
Operating Corn Head

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.

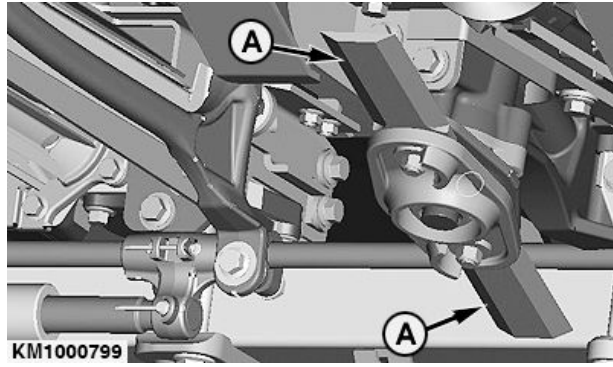
MH81805,000070A -19-17MAR05-1/1

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—UN—09MAR09

StalkMaster is a trademark of Deere & Company

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

Armrest Controls

Armrest controls for corn head: For complete information on each function see your combine Operators Manual.

- | | |
|--|---|
| A—Header Engage and Feeder House Reverser Switch | E—Selection Dial (Operating Adjustments and Controls) |
| B—Separator Engage Switch | F—Header Height/HydraFlex™ Pressure Control Dial |
| C—Cutterbar Pressure Adjust Switch | G—Reel Speed Dial (Dial-A-Speed™) |
| D—Feeder House Rate/Sensitivity Adjust Switch | H—Road Transport Disconnect Switch |



H99166 —UN—23NOV10

Armrest — Combines from MY 2012 (with CommandCenter™)



H99170 —UN—23NOV10

Armrest — Combines up to MY 2011 (with CommandCenter™)

KM00321,0000513 -19-07OCT11-1/1

Engage/Disengage Corn Head Drive

NOTE: Operator must be in the operator seat before the separator and header switches can be engaged.

To engage corn head:

- 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



H99168—UN—23NOV10

Combines from MY 2012



H89636—UN—15AUG07

Combines up to MY 2011

KM00321,0000514 -19-07OCT11-1/1

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

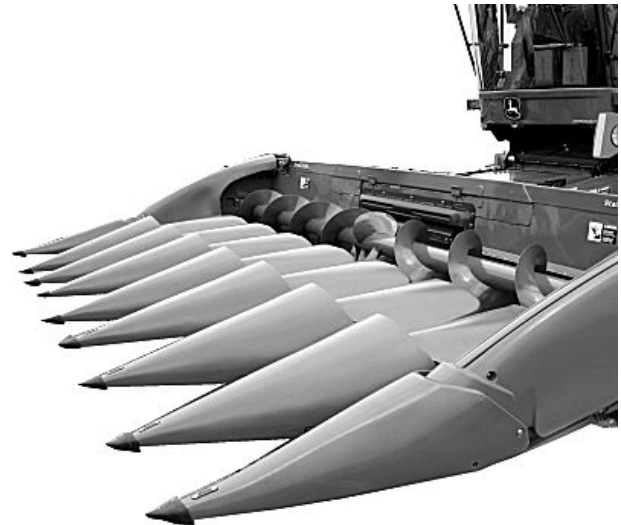
OUO6043,0001C82 -19-03JAN08-1/1

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 Inner Gatherer Points and Shields

1. Remove cap screw (A).
2. Rotate shield lock (B) rearward until clear of shield (C).

NOTE: Do not over tighten cap screw (B) when installing lock.

Specification

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

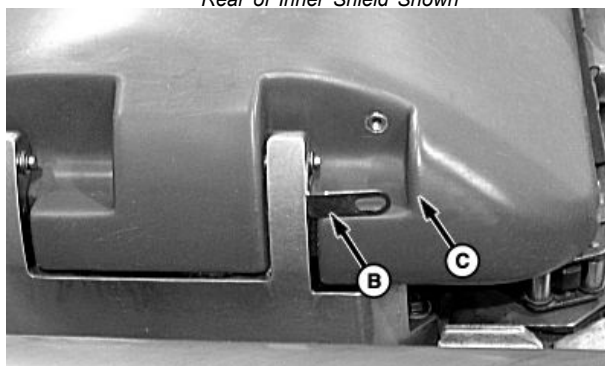
A—Cap Screw
 B—Shield Lock

C—Shield



H102222—UN—15JUN11

Rear of Inner Shield Shown



H102223—UN—15JUN11

Continued on next page

KR43067,00008B3 -19-15JUN11-1/2

3. Raise point until pin (A) locks in place.

CAUTION: Avoid serious injury when lifting and removing point and shield assembly. Assembly is heavy and awkward to handle.

4. Pull latch bar (B) and lift point and shield assembly together.
5. **IF EQUIPPED:** Disconnect any sensor harness connectors from main wiring harness. To access connectors located inside shield, cut tie bands attached to rear of shield, and pull connectors out.

6. *Disconnect lift cylinder:*

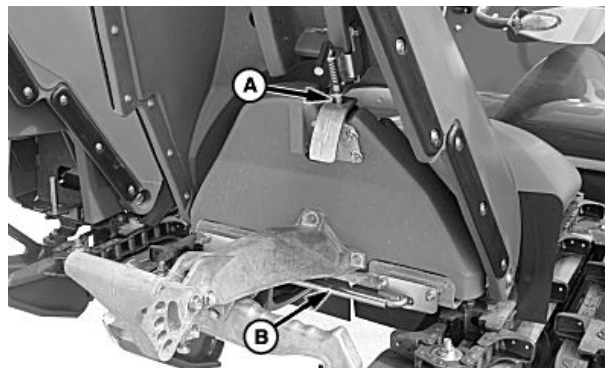
- a. Apply upward pressure to gatherer shield (C) until retaining pin is at rear of slotted hole (D).
- b. Lift cylinder mount (E) upwards until mount clears pins.

CAUTION: Use caution when lifting. Assembly is heavy and awkward to handle.

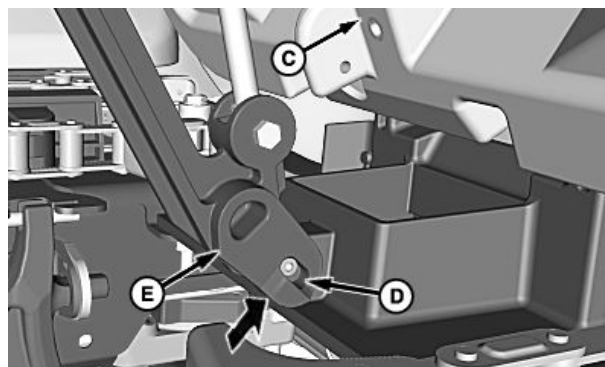
7. Slide gatherer shield (F) sideways until shield is free of support pins (G), and lift shield assembly off mount.

A—Pin
B—Latch Bar
C—Gatherer Shield
D—Rear of Slotted Hole

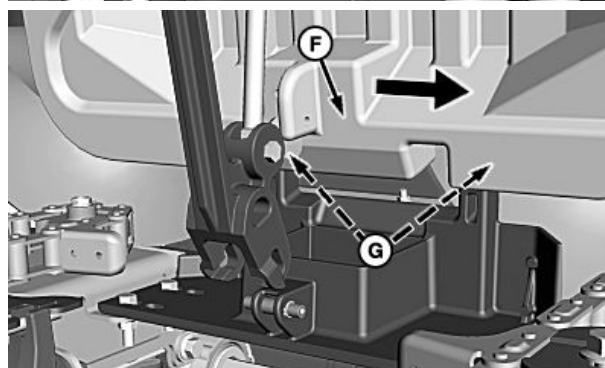
E—Lift Cylinder Mount
F—Gatherer Shield
G—Attachment Pins



H99087 —UN—17NOV10



H99088 —UN—23MAR11



H99089 —UN—23MAR11

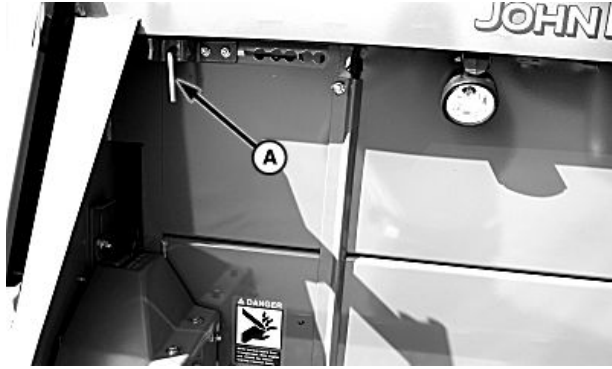
KR43067,00008B3 -19-15JUN11-2/2

Raising and Tilting Outer Gatherer Points and Shields

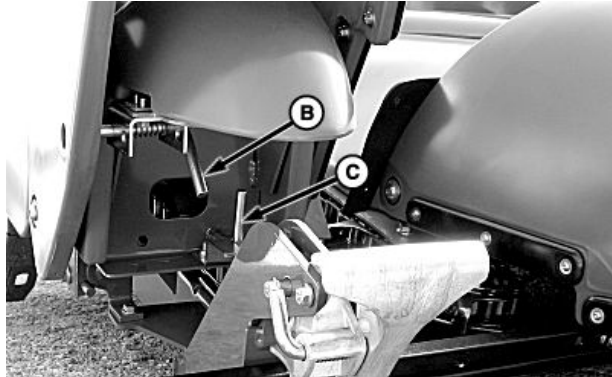
1. Release latch pin (A) and rotate to locked position.
2. Raise outer point until pin (B) locks in place.
3. Release pin (C) and rotate gatherer shield and point outward.

A—Locking Latch Pin
B—Latch Pin

C—Latch Pin



H88426—UN—24JUL07



H88427—UN—23JUL07

KR43067,000073B -19-19NOV10-1/1

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.

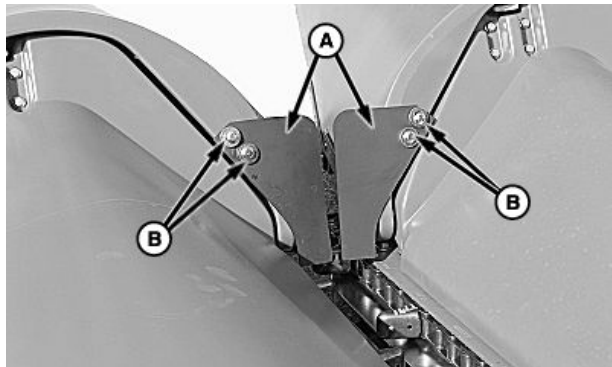
Replace ear savers as follows:

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)



A—Ear Savers

B—Cap Screws

H89201—UN—12JUL07

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

Row Units

An individual row unit houses a pair of 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.



H89154 —UN—22NOV10

KR43067,00005BA -19-01DEC10-1/1

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

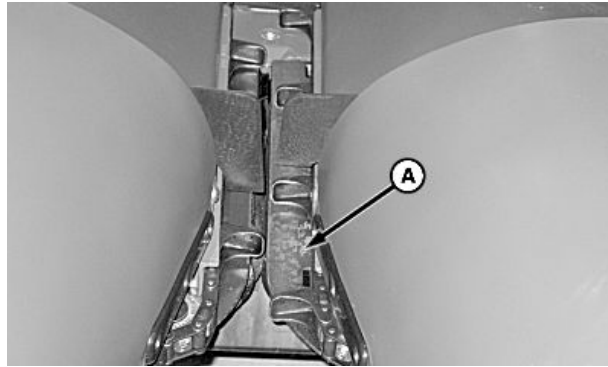
Hydraulic adjustable deck plate (A) allows operator to adjust deck plates from within the cab for varying stalk and ear size to prevent grain loss from the head.

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



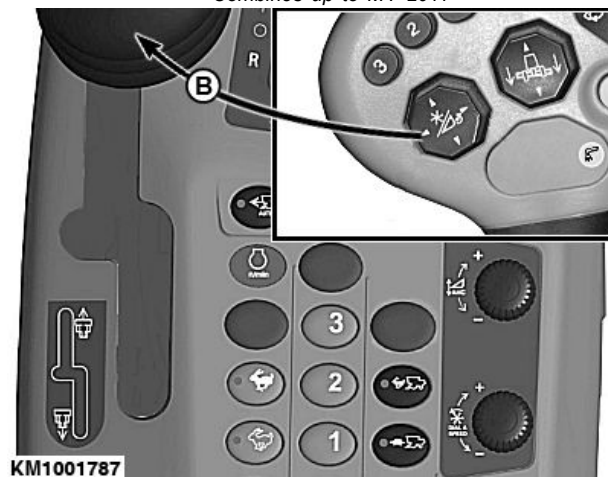
H89701—UN—21AUG07



KM1000668

Combines up to MY 2011

KM1000668—UN—25SEP08



KM1001787

Combines from MY 2012

KM1001787—UN—26SEP11

Continued on next page

KM00321,0000509 -19-27SEP11-1/2

Auger

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

A—Auger



H89295 —UN—20JUL07

OUC6043,0001C88 -19-03JAN08-1/1

Outer Gatherer Extensions

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

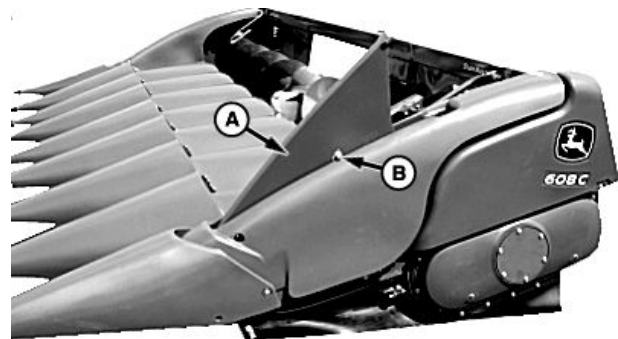
When operating in conditions where the corn stalks are down, lower the outer gatherer extensions for smooth stalk gathering action.

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

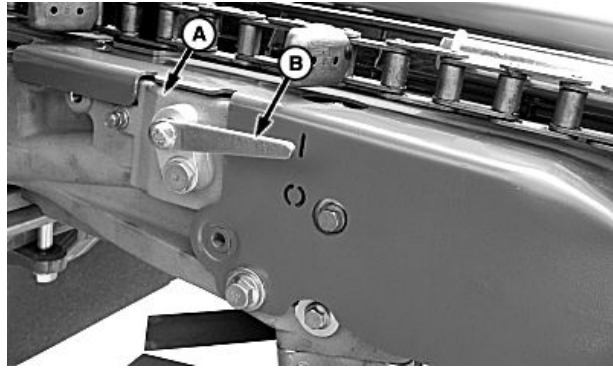
Engaging and Disengaging StalkMaster™ Chopping Knives

Corn heads equipped with the StalkMaster chopping option can disengage each chopping gear case individually. This allows the operator to use a chopping corn head as a non-chopping head when desired, or to limit the number of row units that are chopping when different amounts of residue are wanted.

1. Completely lower corn head to the ground or completely raise feeder house and engage feeder house safety stop.
2. Shut OFF engine, set parking brake, and remove key.

⚠ CAUTION: Avoid serious injury or death. Do NOT perform this procedure with engine running.

3. Raise gatherer point and shield (see RAISING AND REMOVING CENTER GATHERER SHIELDS AND POINTS in this section).
4. Engage/disengage lever is mounted on right-hand side of chopping gear case (A). Rotate lever (B)



H96326—UN—16NOV10

A—StalkMaster™ Chopping Gear Case

B—Engage/Disengage Lever

upwards to engage chopping blades, and downwards to disengage.

5. Lower gatherer shield and point.
6. Repeat procedure for each row unit, or as necessary.

KR43067,00005AA -19-18MAY10-1/1

Attachments and Options

Stalk Rolls

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

To help you decide which stalk rolls are best suited for your needs, see the following guidelines:

(A) Opposed Knife Stalk Rolls—Optional

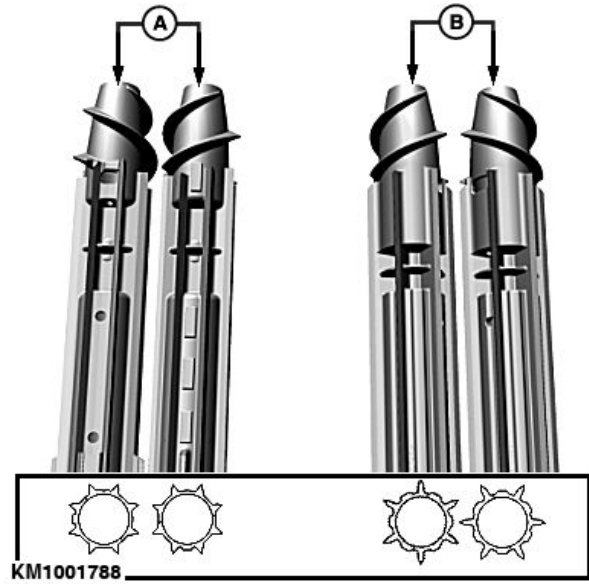
Recommended if:

- Using StalkMaster™ chopping corn heads.
- Need to chop the corn stalks at a length of 250 mm - 400 mm during the harvest.
- Need faster residue breakdown.
- Need earlier soil warm up and dry out.
- Need improved handling of residue by tillage and planting equipment, especially in high yielding corn.
- Need to reduce passes needed for shredding stalks or chopping stalks at a specific length with other implements.
- Need a good performance in dry conditions.
- Harvesting in heavy grass, vines, and weeds.
- Need to lower power consumption on non-chopping corn heads.

(B) Intermeshing Knife Stalk Rolls—Optional

Recommended if:

- Need best material handling for non-chopping corn heads.
- Harvesting in tough or wet conditions.
- Need faster residue breakdown.
- Need earlier soil warm up and dry out.



A—Opposed Knife Stalk Rolls

B—Intermeshing Knife Stalk Rolls

- Need improved handling of residue by tillage and planting equipment, especially in high yielding corn.
- Need to reduce passes needed for shredding stalks or chopping stalks at a specific length with other implements.

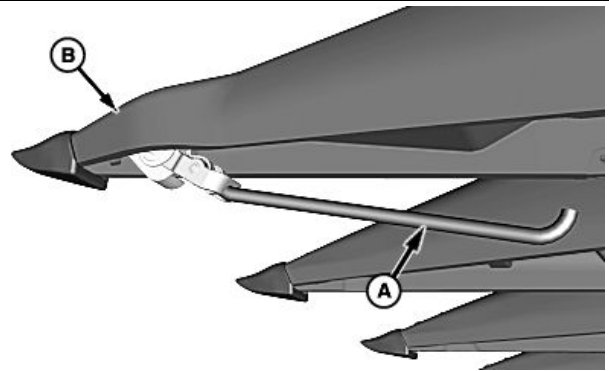
KM00321,000050A -19-27SEP11-1/1

Active Header Control Ground Sensors (Optional)

Sensor arms (A) are located under the corn head, mounted to the gatherer points (B). The sensor arm follows the contours of the ground, which activates a potentiometer. The signal provided allows the combine to maintain a desired cutting height during harvest.

A—Sensor Arm

B—Gatherer Point



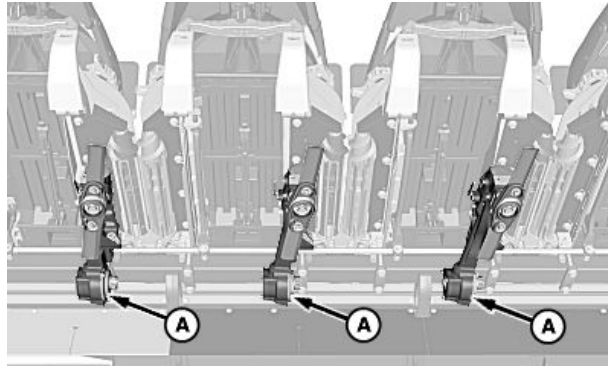
KR43067,00005A3 -19-17MAR11-1/1

StalkMaster™ Chopping Gear Cases (Optional)

StalkMaster™ chopping gear cases (A) allow one-pass chopping of corn stalks at a specific length, eliminating the need for additional equipment passes. Operators have the option to disengage one or all of the gear cases, allowing a wide range of flexibility in residue management.

Factory installed corn stalk choppers are available on models 606C-SM and 608C-SM corn heads.

IMPORTANT: Replacement chopping gear cases purchased through service parts are shipped dry. Gear case MUST be filled with oil to proper level before use (see LUBRICATION AND MAINTENANCE section for specifications).



H96323—UN—19MAY10

A—StalkMaster™ Chopping Gear Cases

KM00321,000050C -19-27SEP11-1/1

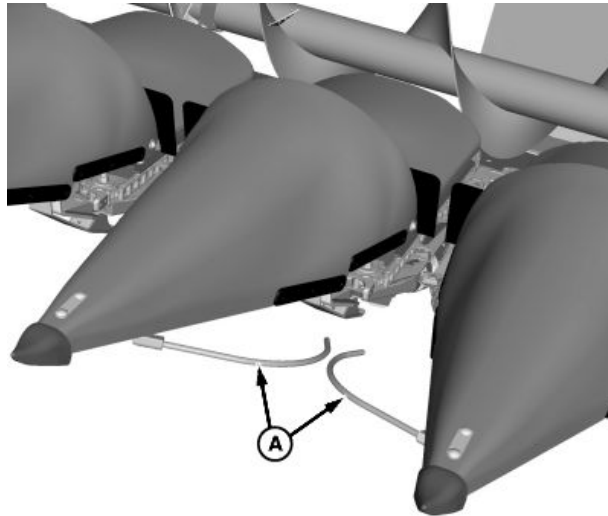
AutoTrac RowSense

AutoTrac RowSense uses input from sensors mounted on the corn head to assist existing GPS navigation in steering the combine during harvest.

As cornstalks pass through the gatherer points, they push a set of mounted sensor arms (A). The signals from these sensors are used to identify the location of the corn row, and make necessary adjustments to the combine steering to keep it in line with the crop.

See your John Deere dealer.

A—Row Sensors



H95836—UN—25MAR10

KR43067,0000565 -19-13MAY10-1/1

Adjustments

Adjusting and Leveling Gatherer Points

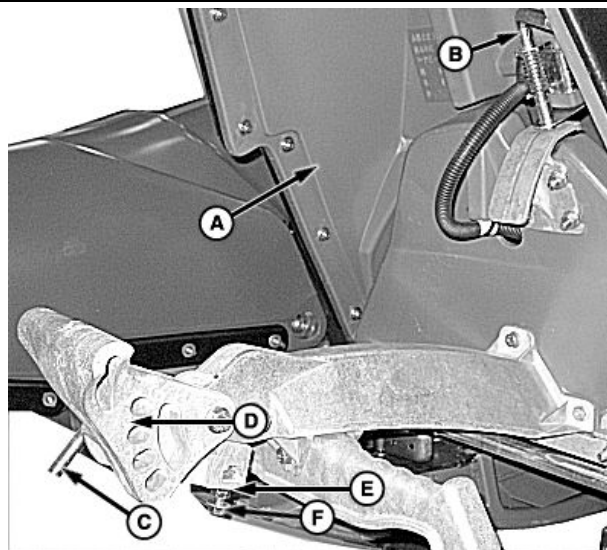
CAUTION: Raise corn head until points are off of the ground, shut off engine, and remove key.

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.

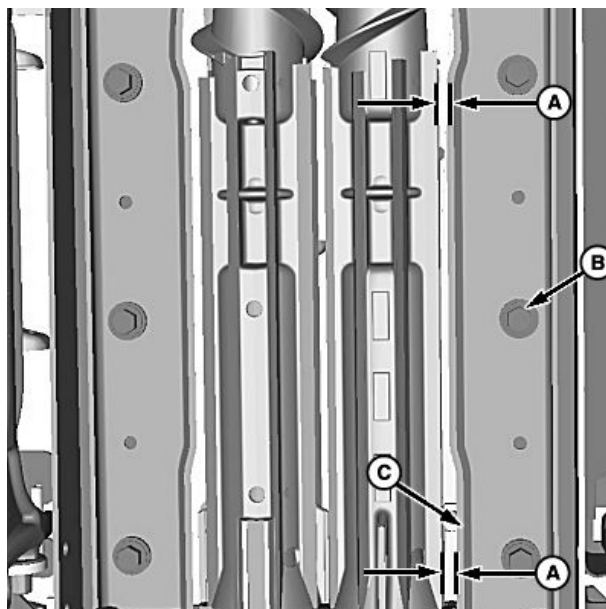
A—Dimension, 1.5 mm (1/16 in.)

B—Cap Screw (8 used)

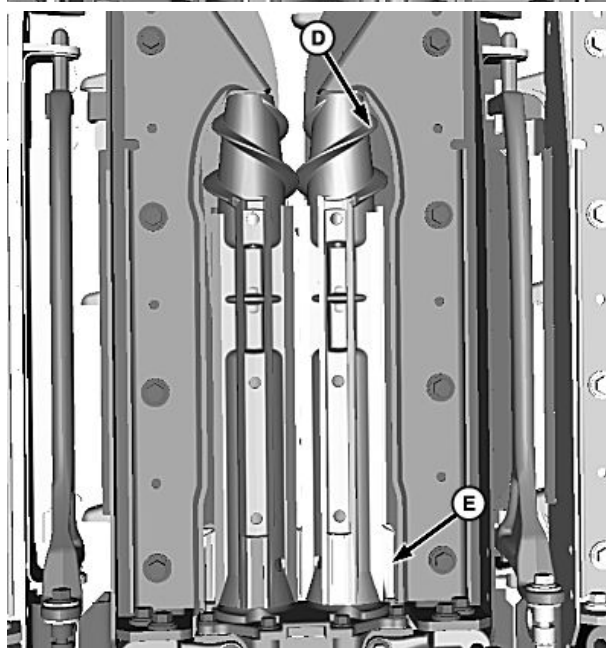
C—Trash Knife

D—Stalk Roll Spiral

E—Stalk Roll Fin



H91763 —UN—20MAY08



H90470 —UN—04JAN08

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

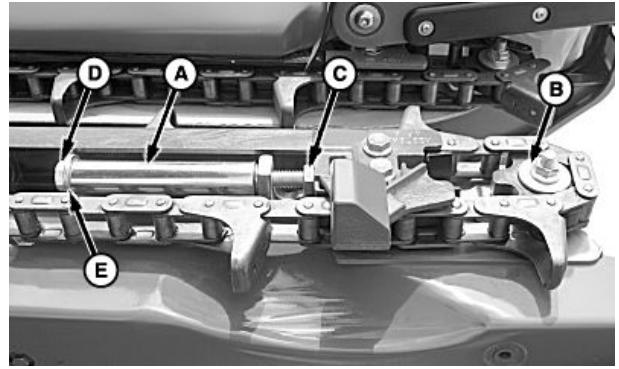
Adjusting Gatherer Chain Tension

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 cap screw (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—Cap Screw
E—Washer



H89091 —UN—17NOV10

KR43067,0000734 -19-01DEC10-1/1

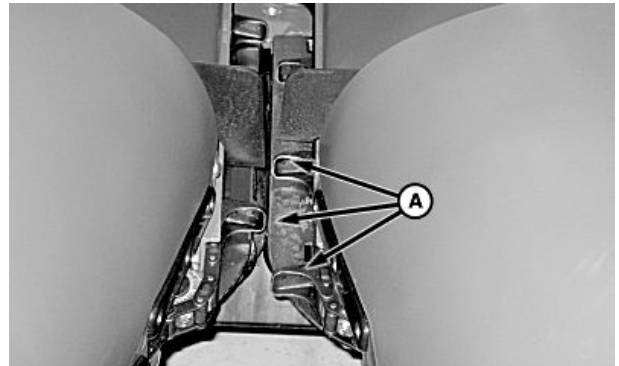
Adjusting Gatherer Chain Flights

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. Open points and shields as necessary.

A—Chain Flights



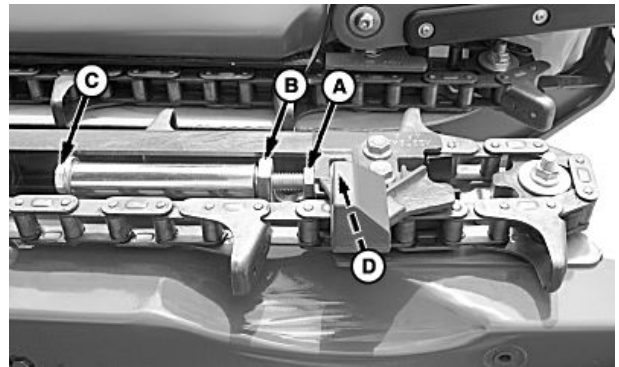
H89420 —UN—01AUG07

KR43067,0000735 -19-01DEC10-1/3

2. Rotate nut (A) until it is against idler support strap (B).
3. Loosen cap screw (C) until nut (D) disengages.

A—Nut
B—Strap

C—Cap Screw
D—Nut



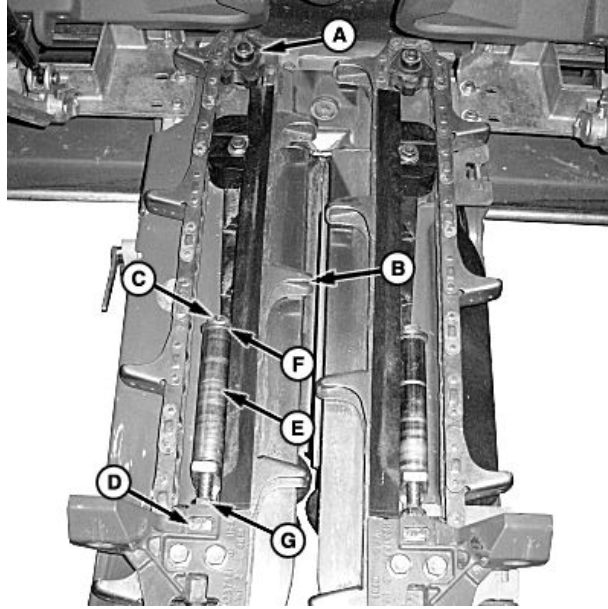
H89092 —UN—17NOV10

Continued on next page

KR43067,0000735 -19-01DEC10-2/3

4. Lift chain off drive sprocket (A) and rotate chain until flights (B) are uniformly spaced. Place chain back on sprocket.
5. Tighten cap screw (C) into nut (D) until a 4.8 mm (3/16 in.) maximum space is set between spacer tube (E) and washer (F).
6. Tighten nut (G) against idler assembly.

A—Drive Sprocket
B—Flights
C—Cap Screw
D—Nut
E—Spacer Tube
F—Washer
G—Nut



H99114 —UN—17NOV10

KR43067,0000735 -19-01DEC10-3/3

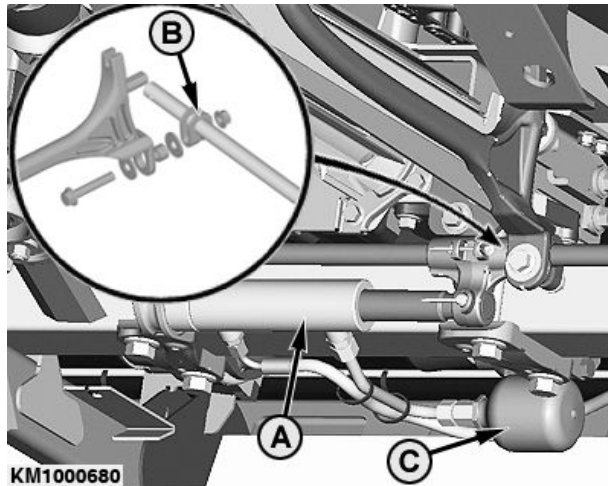
Adjusting Deck Plates

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 —UN—03SEP08

Continued on next page

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

Adjustments

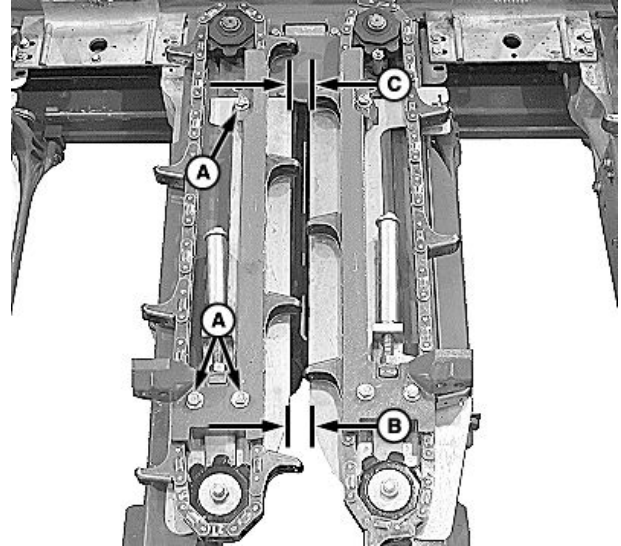
- Loosen cap screws (A) retaining right-hand side deck plate to row unit frame.
- Set front spacing (B) to 18 mm (23/32 in.) and rear spacing (C) to 20 mm (25/32 in.).
- Tighten cap screws to specification.

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

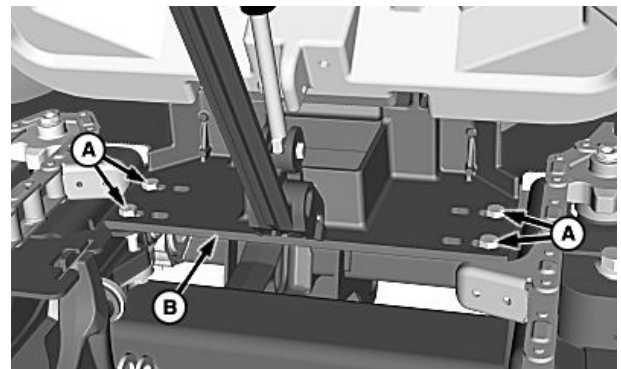
Adjusting Row Spacing

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 corn head from lowering.

- Remove shields and points of row units.
- Remove cap screws (A) and mount (B).



A—Cap Screws (4 used)

B—Row Unit Shield Mount

H99094 —UN—13APR11

Continued on next page

KM00321,000050D -19-05OCT11-1/3

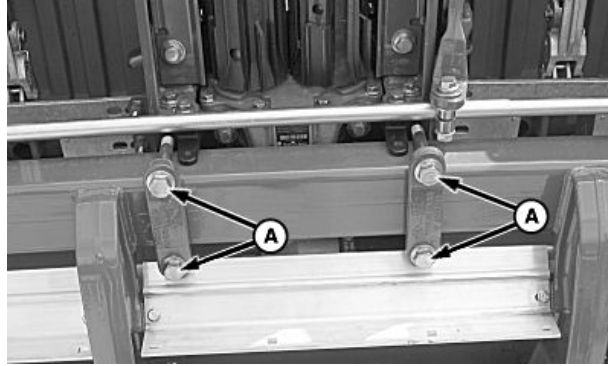
NOTE: To slide row units to desired location, use adequate lifting device to support row unit. Carefully slide unit to desired position.

- Loosen cap screws (A) of two center row units. Move both row units an equal distance to set desired row spacing. Tighten row unit cap screws to specification.

Specification

Row Unit Cap
Screws—Torque.....310 N·m
(229 lb.-ft.)

- Move remaining row units, working from center out to the ends. Loosen cap screws and move unit to desired row spacing. Continue until all row units are spaced correctly.



A—Cap Screws (4 used)

H99095—UN—17NOV10

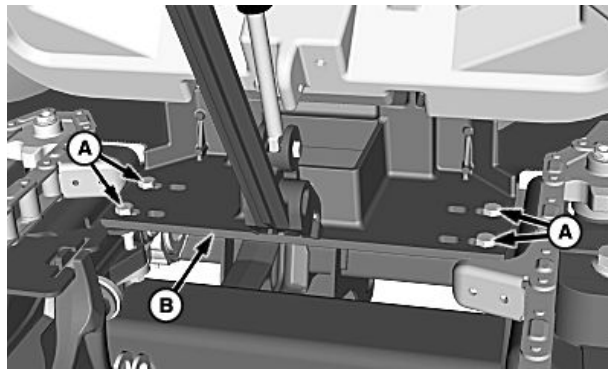
KM00321,000050D -19-05OCT11-2/3

- Position row unit shield mount (B) for desired row spacing and install cap screws (A). Tighten cap screws to specification.

Specification

Row Unit Shield Mount
Cap Screws—Torque.....70 N·m
(52 ft.-lb.)

- Install row unit drive shields and hardware.
- Install shields and points of row units.
- Connect sensor harness connectors (if removed) and push connector into hole of deck cover. Retain harness at yellow tape marks on harness to ensure proper slack for raising points.



A—Cap Screws (4 used)

B—Row Unit Shield Mount

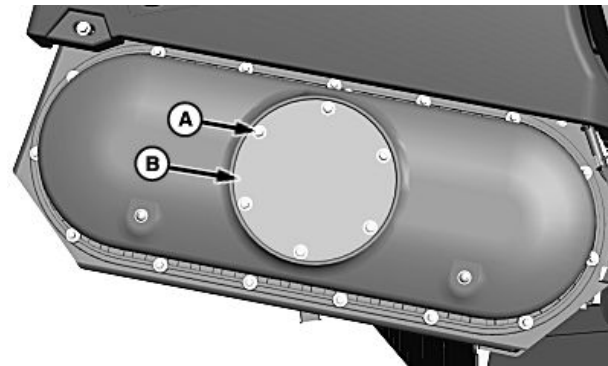
H99094—UN—13APR11

KM00321,000050D -19-05OCT11-3/3

Adjusting Row Unit Drive Chain

- Remove cap screws and washers (A), and cover (B).

A—Cap Screws and Washers
(6 used) B—Cover



H99229—UN—30NOV10

Continued on next page

KR43067,000074D -19-30NOV10-1/2

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

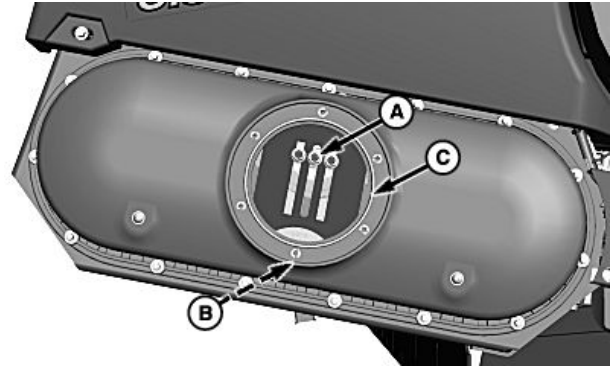
2. Loosen tensioner hardware (A).
3. Adjust tensioner downward to increase chain tension or upwards to decrease tension. Lower chain strand (B) should have movement of 10 mm up and 10 mm down. Tighten hardware to specifications.

Specification

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

IMPORTANT: Verify O-ring seal (C) is clean and undamaged before installing cover. Replace as necessary.

4. Install cover using cap screws and washers.



A—Tensioner Hardware
B—Lower Drive Chain

C—Seal

H99230—UN—30NOV10

KR43067,000074D -19-30NOV10-2/2

Adjusting Row Unit Drive Sprockets (Combines with Fixed-Speed Feeder House)

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

Corn heads are driven with a 24-tooth driver sprocket and a 27-tooth driven sprocket.

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 shaft and large sprocket on drive shaft.

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. Driven shaft should never exceed 715 rpm. Corn head running higher than 715 rpm can result in machine damage.

NOTE: Combines with Fixed-Speed Feeder House:

The sprockets are set from the factory 24T Driver and 27T Driven for all models. These sprockets must **NOT** be changed for combines with variable-speed feeder house.

Harvesting Speed:	Corn Head Sprocket	
	Driver	Driven
Up to 7 km/h (Up to 4 mph)	24-tooth	27-tooth
Over 7 km/h (4 mph)	27-tooth	24-tooth

NOTE: Under certain field conditions, it may be required to increase row unit drive speed more. In this case, additional sprockets with 20, 21, 22 and 23 teeth are available through regular spare parts channel.

Corn Head Sprocket		Speed Increase
Driver	Driven	
27-tooth	23-tooth	+4%
27-tooth	22-tooth	+9%
27-tooth	21-tooth	+14%
21-tooth	20-tooth	+20%

KM00321,000050E -19-07OCT11-1/1

Adjusting Auger Height

Auger can be adjusted up and down for clearance between auger flighting and floor.

In most conditions, keep auger adjusted down. Raise auger to prevent ear damage in popcorn and food grade corn.

1. Open side shield to locate bearing carrier (A).
2. Loosen hardware (B) and adjust auger height up or down.
3. If auger needs to be raised higher than slotted holes (C) will allow:
 - a. Remove hardware from bearing carrier.
 - b. Move carrier from lower mounting holes (D) to upper mounting holes (E) and reinstall hardware.
4. Tighten carrier hardware and close side shields.

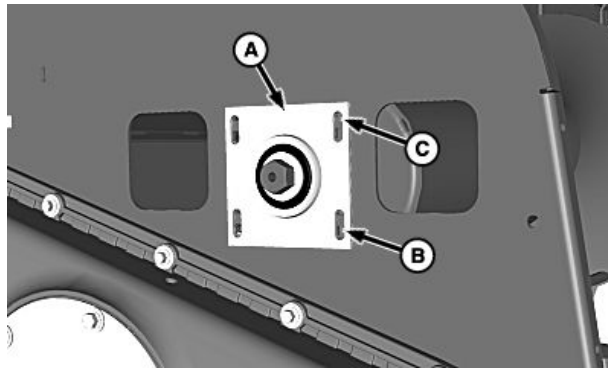
IMPORTANT: Verify both sides of auger are adjusted equally.

5. Repeat height adjustment on opposite side of corn head.

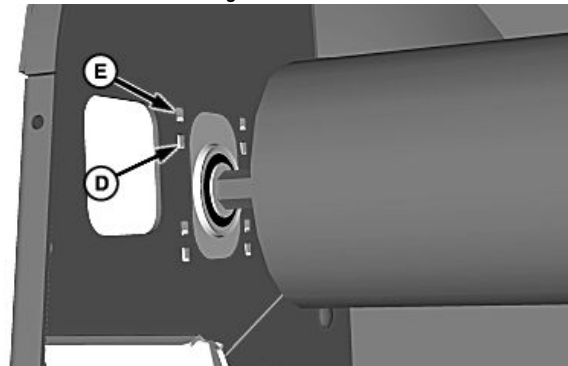
IMPORTANT: There must be a minimum clearance of 22 mm (7/8 in.) between auger flighting and floor and of 6 mm (1/4 in.) between auger flighting and stripper.

Specification

Auger Flighting and Floor—Clearance.....	22 mm (7/8 in.)
Auger Flighting and Stripper—Clearance.....	6 mm (1/4 in.)



Right Side Shown



A—Bearing Carrier
B—Hardware (Not Shown)
C—Slotted Hole

D—Lower Hole
E—Upper Hole

H95837—UN—25MAR10

H95838—UN—25MAR10

Continued on next page

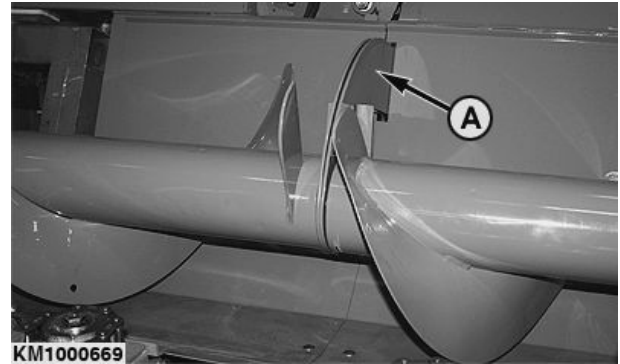
KM00321,0000515 -19-07OCT11-1/2

Adjustments

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).

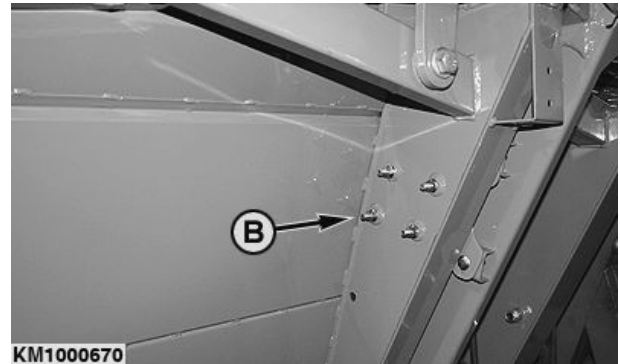
A—Retaining Bracket

B—Nuts



KM1000669

KM1000669 —UN—25SEP08



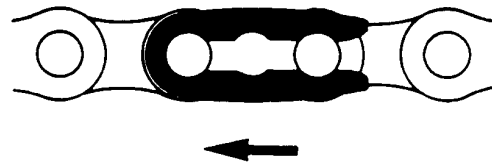
KM1000670

KM1000670 —UN—25SEP08

KM00321,0000515 -19-07OCT11-2/2

Coupling the Chain

When securing a chain coupler link, closed end of spring lock must face in direction of chain travel.



H41470

H41470 —UN—28NOV89

KR43067,0000738 -19-18NOV10-1/1

Adjusting Auger Drive Chain

1. Remove cap screws (A) and cover (B).
2. Loosen lock nuts (C).
3. Slide idler plate (D) down to increase chain tension and slide plate up to decrease tension.
4. Tighten lock nuts to specification.

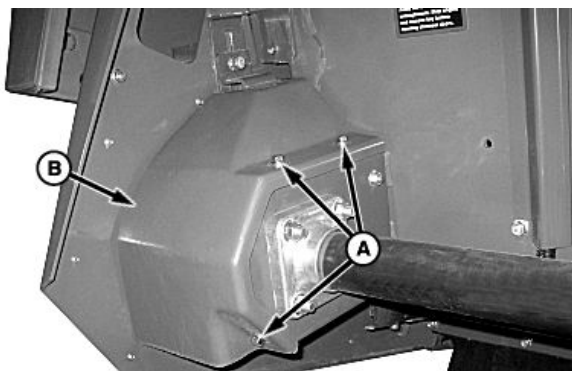
Specification

Idler Plate	
Nuts—Torque.....	90 N·m (66 lb.-ft.)

NOTE: Excess chain tension will cause undue chain wear.
Set chain tension so slack side movement is 10 mm (3/8 in.) up and 10 mm (3/8 in.) down.

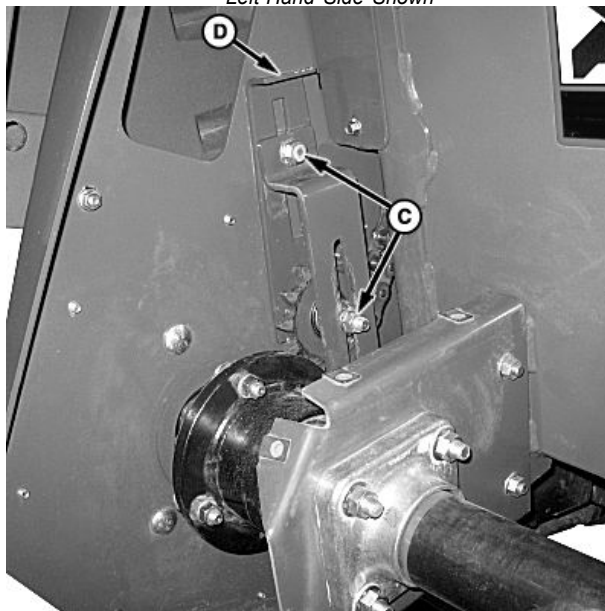
A—Cap Screws
B—Cover

C—Lock Nuts
D—Idler Plate



H99096—UN—17NOV10

Left-Hand Side Shown



H99097—UN—17NOV10

KR43067,0000737 -19-18NOV10-1/1

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 -19-11APR11-1/1

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)

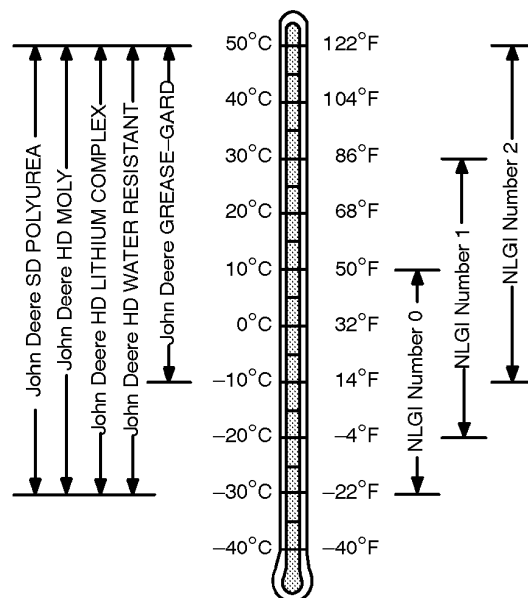
Other greases may be used if they meet the following:

- 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,OOU1035,1175 -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.

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 -19-11APR11-1/1

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.

Consult your John Deere dealer to obtain information and recommendations.

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 lubricants.

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

DX,ALTER -19-11APR11-1/1

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

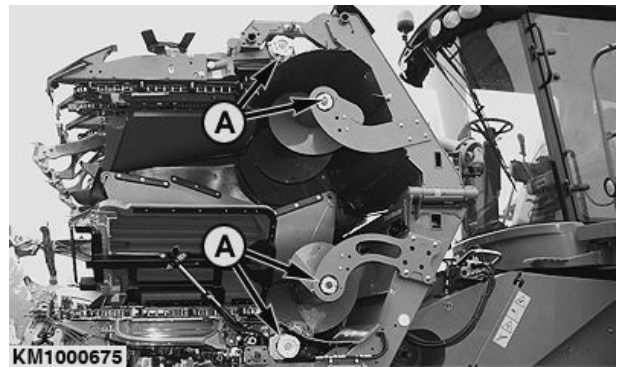
Every 50 Hours of Operation

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

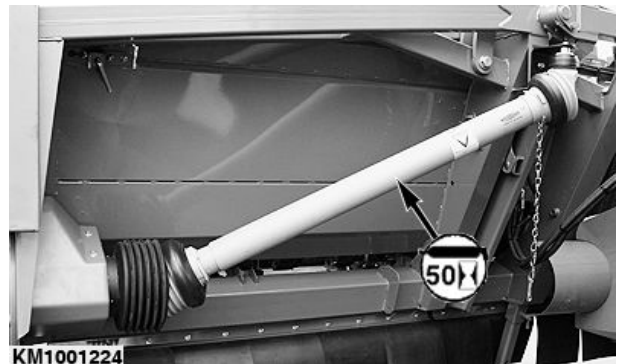


KM00321,000033A -19-08JUL10-1/2

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

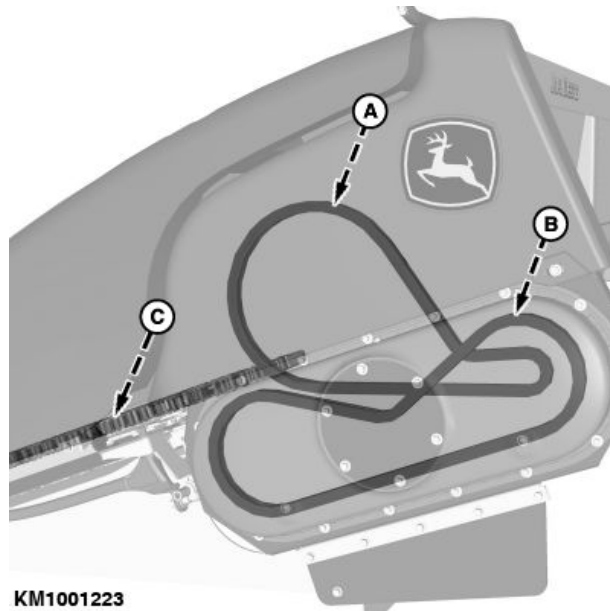
Inspect and Adjust Chains - Every 200 Hours of Operation

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.

Replace Oil in Row Unit Drive Chain:

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

1. Completely raise corn head and engage feeder house safety stop.
2. Operate header for a short time to warm oil prior to draining.

NOTE: Drain fluid into clean container and dispose of properly.

3. Remove drain plug (A), disengage safety stop, and lower header to drain oil.
4. Install drain plug.
5. Remove check plug (B) and access door (C).

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

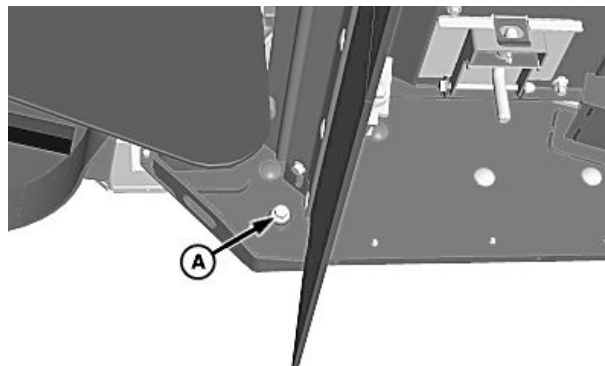
6. Add SAE 80/90 gear lube oil through access door opening (D) until level with bottom of check plug hole (E). Approximate capacity is 0.9 L (1 qt.).

Specification

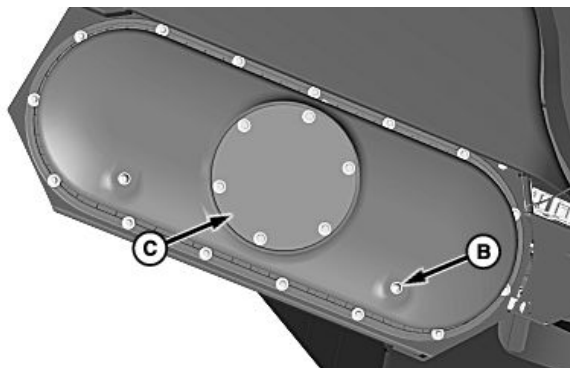
Drive Chain	
Oil—Capacity.....	0.9 L (1 qt.)

NOTE: Verify access door seal is clean and undamaged. Replace as necessary.

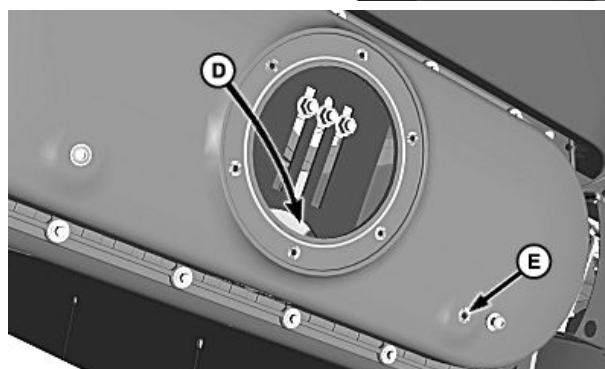
7. Install access door and check plug.
8. If corn head uses dual drive shafts, repeat on opposite side.



H99231 —UN—30NOV10



H99232 —UN—30NOV10



H99233 —UN—30NOV10

A—Drain Plug
B—Check Plug
C—Cover

D—Fill Location
E—Plug Hole

Continued on next page

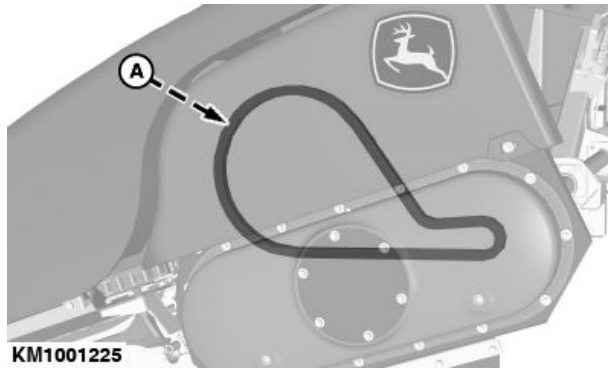
KM00321,000050F -19-05OCT11-1/7

Lubricate Auger Drive Chains:

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

1. Operate corn head for a short time before lubricating chains. A warm chain increases penetration of oil between pins and bushings.
2. Lubricate chain with SAE 30 or heavier oil. John Deere TY6240 chain lube is available in an aerosol can.
3. If corn head uses dual drive shafts, repeat on opposite side.

A—Auger Drive Chain



KM1001225

KM1001225 —UN—08JUL10

KM00321,000050F -19-05OCT11-2/7

Check Row Unit Gear Case Oil:

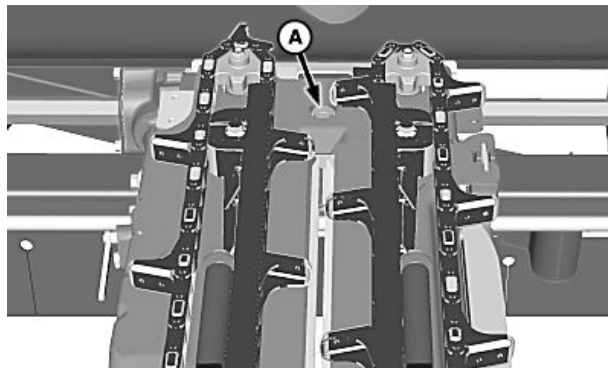
NOTE: Row unit gear case oil should be warm and corn head must be raised, to obtain accurate readings on dipstick.

1. Operate corn head for a short time to warm gear case oil.
2. Completely raise corn head and engage feeder house safety stop.
3. Shut OFF engine, set parking brake, and remove key.
4. Clean area around inspection plug/dipstick (A) to avoid dirt and debris from entering gear case.
5. Remove dipstick and wipe clean.
6. Completely thread dipstick into gear case, remove and check oil level on shaft.
7. If level is below full mark (B), add TY6296 80W 90 GL-5 gear lube oil through dipstick port, until oil level has reached full mark.

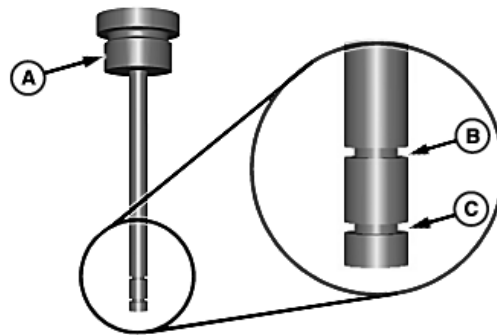
IMPORTANT: Do not overfill gear case. 0.42 L of lube oil is required to fill gear case from minimum mark (C) to full mark (B). The amount of lube oil to add at other levels is proportional.

A—Inspection Plug/Dipstick
B—Full Mark

C—Minimum Mark



H96320 —UN—17NOV10

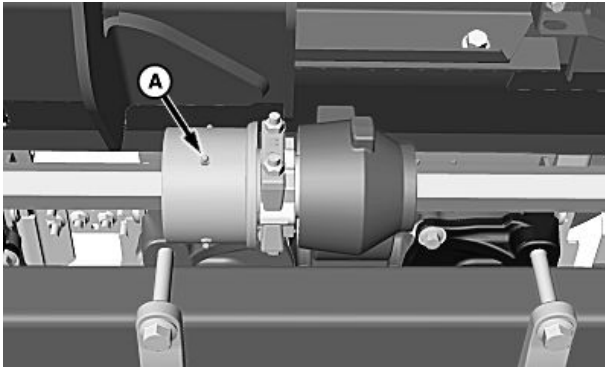


H100565 —UN—03MAR11

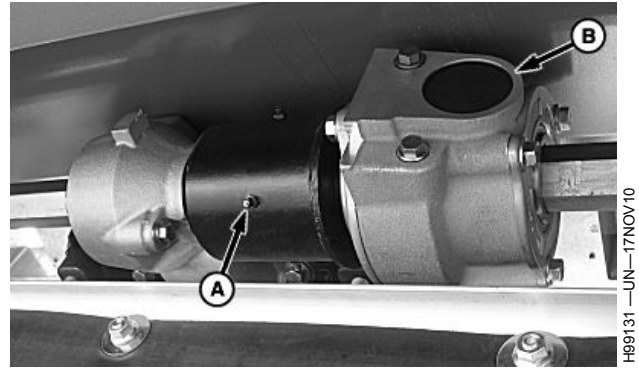
Continued on next page

KM00321,000050F -19-05OCT11-3/7

Lubricate Row Unit Slip Clutches:



Non-Chopping Model Shown



Chopping Model Shown

A—Row Unit Slip Clutch Grease Fittings B—Chopping Gear Case

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

1. Completely raise corn head and engage feeder house safety stop.
2. *Non-Chopping Corn Head Only:*
 - a. Locate row unit slip clutch under corn head. Slip clutch is mounted on left side of gear case.
 - b. Apply 10 pumps of grease to one grease fitting (A) on slip clutch.

c. Repeat lubrication on remaining row units.

3. *Chopping Corn Head Only:*

- a. Locate row unit slip clutch under corn head. Slip clutch is mounted between gear case and chopping gear case (B).
- b. Apply 10 pumps of grease to one grease fitting (A) on slip clutch.
- c. Repeat lubrication on remaining row units.

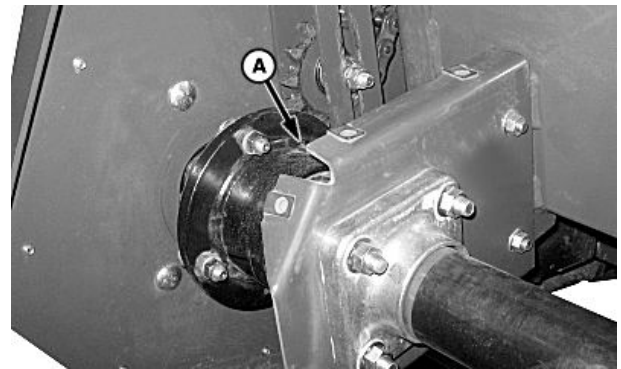
KM00321,000050F -19-05OCT11-4/7

Lubricate Auger Drive Slip Clutch:

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

1. Apply 10 pumps of grease to one grease fitting (A) on slip clutch.
2. If corn head uses dual drive shafts, repeat on opposite side.

A—Auger Drive Slip Clutch Grease Fitting

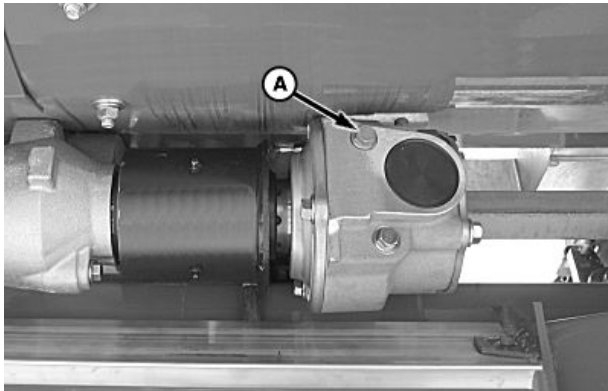


Left Side Shown

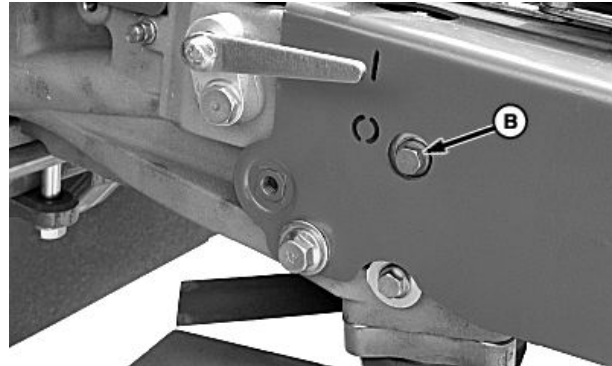
Continued on next page

KM00321,000050F -19-05OCT11-5/7

Check StalkMaster™ Gear Case Oil (if equipped):



Rear Reservoir Shown



Front Reservoir Shown

A—Check/Fill Plug

B—Check/Fill Plug

NOTE: Chopping gear case oil should be warm and corn head must be raised, to obtain accurate oil level.

1. Operate corn head for a short time to warm gear case oil.
2. Completely raise corn head and engage feeder house safety stop.
3. Shut OFF engine, set parking brake, and remove key.
4. Remove check/fill plug (A) at rear of gear case. 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.

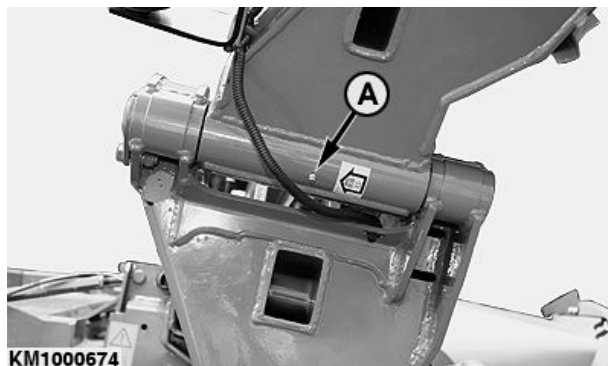
5. Remove check/fill plug (B) at front of gear case. Oil level should be at bottom of check/fill plug hole. Add TY6296 80W 90 GL-5 gear lube as necessary to obtain correct level. Reinstall check/fill plug.
6. Repeat for remaining chopping gear cases.

KM00321,000050F -19-05OCT11-6/7

Lubricate Hinges:

Grease fittings (A) of hinges on both sides.

A—Grease Fitting



KM1000674

KM1000674 —UN—01SEP08

KM00321,000050F -19-05OCT11-7/7

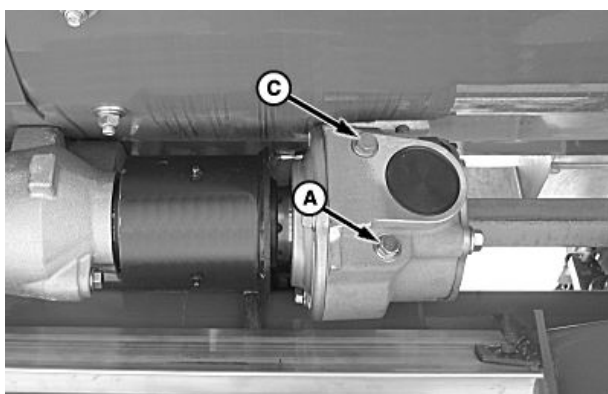
Every 1000 Hours of Operation

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

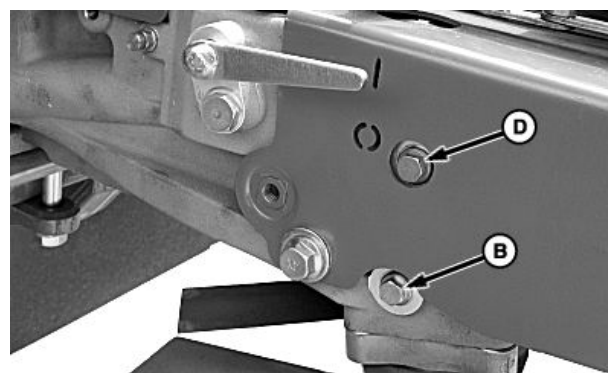
If a grease fitting is damaged or missing, replace it immediately.

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

Always tighten plugs securely.



Rear Reservoir Shown



Front Reservoir Shown

A—Rear Drain Plug

B—Front Drain Plug

C—Rear Check/Fill Plug

D—Front Check/Fill Plug

NOTE: Chopping gear cases should be warm, with header raised, to drain and fill oil. Verify chopping blades are engaged with gear case lever, to warm front reservoir oil.

1. Replace Oil in Chopping Gear Cases:

- Operate header to warm chopping gear case oil.
- Completely raise header and engage feeder house safety stop.
- Shut OFF engine, set parking brake, and remove key.

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

- Remove front and rear drain plugs (A and B) and allow oil to drain.

e. Reinstall plugs.

f. Remove front and rear check/fill plugs (C and D).

g. Add TY6296 80W 90 GL-5 gear lube to front and rear reservoirs until level with bottom of check/fill plug holes.

Specification

Rear Reservoir—Capacity.....	325 mL (11 oz)
Front Reservoir—Capacity.....	500 mL (16.9 oz)

h. Reinstall check/fill plugs.

2. Repeat for remaining chopping gear cases.

KR43067,00005A8 -19-01DEC10-1/1

Troubleshooting

Corn Head

Most corn head operating problems can be traced to improper adjustment. The following troubleshooting chart may help when problems develop, by suggesting

a probable cause and a recommended solution. When trying to solve a problem, verify the source does not come from somewhere 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 1 inch above ground. When picking low hanging ears, raise front tip of gatherer points and run corn head with skids close to 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 stalk 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 install ear savers.
	Gatherer chain speed too fast or too slow.	Change speed of variable speed feeder house or adjust combine 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 head lower.
Shelled Corn Coming Out Rear of Combine	Excessive trash intake from corn head.	Increase variable drive speed or fixed drive combine. Open deck plate spacing on corn head.
Ears Sliding Out Through the Throat	Ear savers worn out.	Replace ear savers.
Pulling up Corn stalks	Deck plates set too close together.	Gradually open deck plates until stalks feed through rolls more freely.

Continued on next page

KR43067,0000758 -19-01DEC10-1/2

Troubleshooting

Symptom	Problem	Solution
Plugging	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 head higher.
	Corn too dry or down.	Remove ear savers.
	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 sprockets for wear. Adjust gatherer chain tension.
	Not picking planter rows.	Follow 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.
Loss of Ear Corn From Weakened or Broken Stalks. Problem is Caused by Disease (Stalk Rot) or Insects (Corn Borers)	Corn stalks plugging in gatherer throat opening.	Remove ear savers.
	Worn stalk rolls.	Replace worn stalk rolls.
	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.

KR43067,0000758 -19-01DEC10-2/2

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 desired Active Header Control mode.
	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 (AHC) 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 Operators Manual.
System Fails Intermittently after Manually Raising Header Over Obstacle	System was deactivated.	To reactivate, 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.

KR43067,0000759 -19-01DEC10-1/1

Service

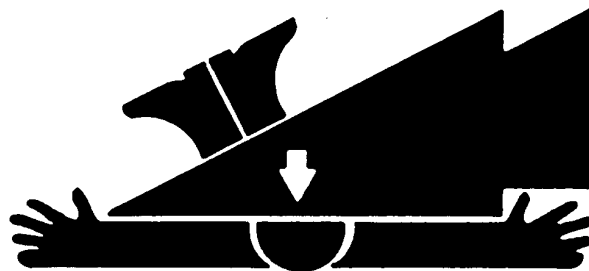
Feeder House Safety Stop

CAUTION: Death to you or others can occur from feeder house inadvertently lowering. Completely raise feeder house and verify that safety stop is engaged when performing any procedure with header attached to machine.

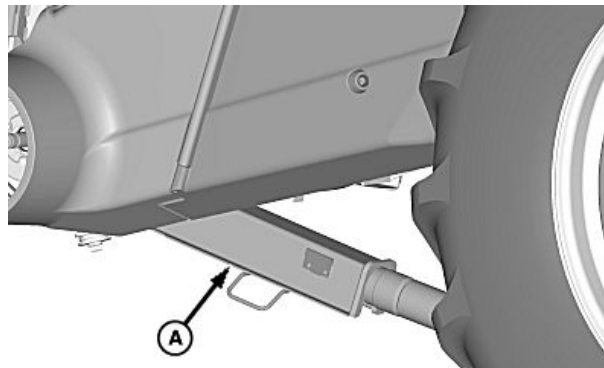
Cracking of hydraulic line fittings to lower feeder house results in an immediate dropping of feeder house and header. To prevent injury, raise feeder house completely and lower safety stop (A) onto hydraulic cylinder rod.

1. Raise feeder house completely.
2. Shut OFF engine, set parking brake, and remove key.
3. Lower safety stop (A) onto hydraulic cylinder rod.

A—Feeder House Safety Stop



TS696 —UN—21SEP89



H90891 —UN—26FEB08

KR43067,0000560 -19-25MAR10-1/1

Remove and Install Stalk Rolls

CAUTION: Completely raise corn head and engage feeder house safety stop before performing any work.

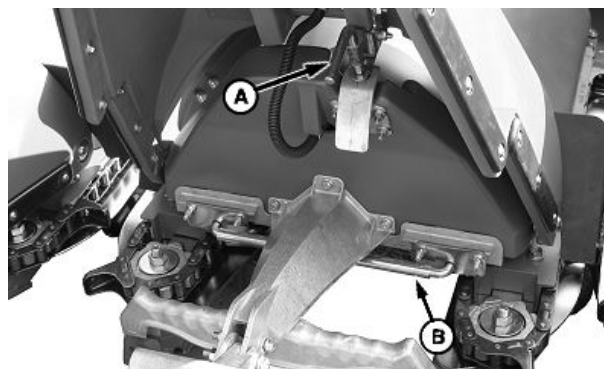
1. Raise gatherer point until pin (A) latches into place.

IMPORTANT: Points may damage combine windshield. Do not push shields over back of frame.

2. Pull latch bar (B) and lift gatherer shield.
3. Repeat as necessary for access to row units.

A—Pin

B—Latch Bar



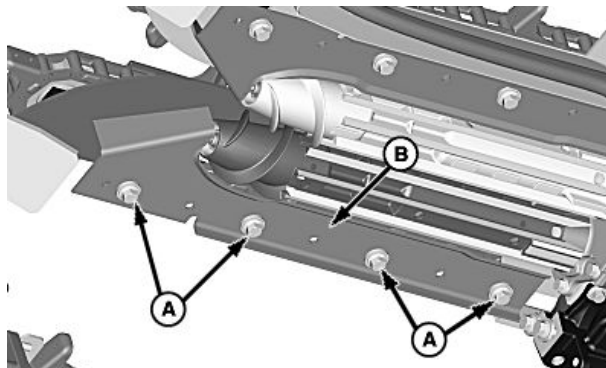
H89314 —UN—20JUL07

Continued on next page

KR43067,00008B4 -19-15JUN11-1/7

4. Remove cap screws and washers (A), and trash knives (B) from underside of row unit frame.

A—Cap Screws and Washers (8 used) B—Trash Knife (2 used)



H94250 —UN—10JUN09

KR43067,00008B4 -19-15JUN11-2/7

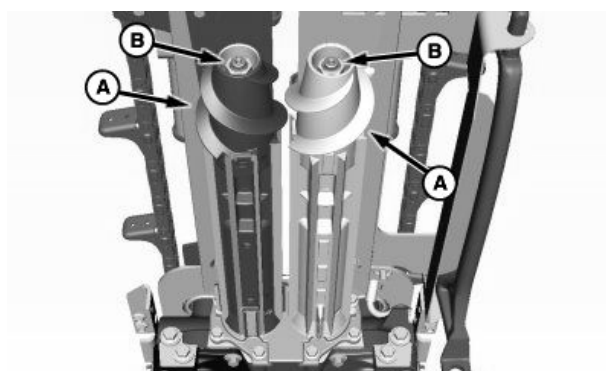
NOTE: Use a 13 mm (1/2 in.) steel plate (C) between rear of stalk rolls to prevent stalk rolls from rotating.

When removing left-hand retaining nut, insert plate from top.

When removing right-hand retaining nut, insert plate from bottom.

5. Remove and discard retaining nuts (B).
6. Remove and retain spherical washer behind nut. Inspect washer for corrosion or damage. Replace if necessary.

A—Stalk Rolls C—Steel Plate
B—Retaining Nut and Spherical Washer



H93698 —UN—19MAR09



H100222 —UN—14FEB11

Removing Left-Hand Retaining Nut Shown

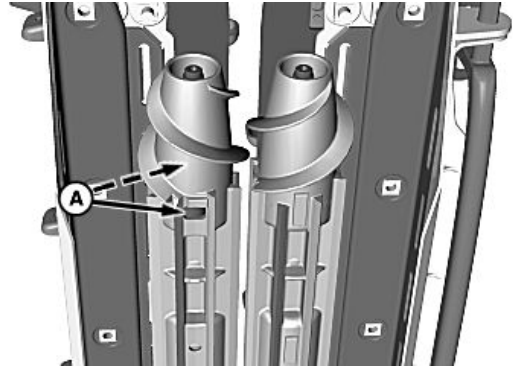
Continued on next page

KR43067,00008B4 -19-15JUN11-3/7

IMPORTANT: Place alignment marks on face of stalk roll and shaft before removal. Stalk rolls must be installed in same position as removed.

7. Locate two ports (A) behind spiral of stalk roll. Remove stalk roll from shaft by attaching a (2 arm) gear puller to ports.
8. Remove all dirt and corrosion from shaft taper, splines, and threads. Inspect stalk rolls for wear or damage. Replace as necessary.

A—Stalk Roll Removal Ports



H100568 —UN—03MAR11

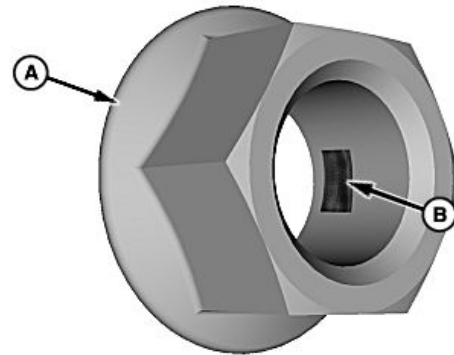
KR43067,00008B4 -19-15JUN11-4/7

IMPORTANT: A new nut must be purchased from John Deere Service Parts.

9. Stalk roll retaining nut (A) contains a pre-applied thread locking patch (B) and cannot be reused.

A—Retaining Nut

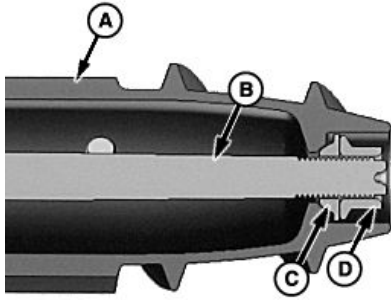
B—Thread Locking Patch



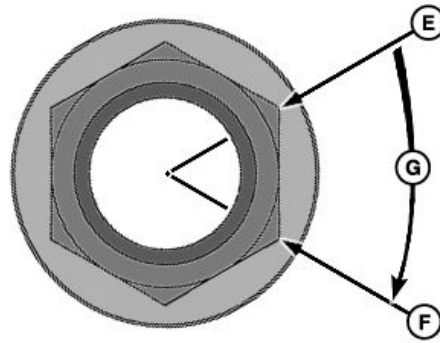
H97520 —UN—04AUG10

Continued on next page

KR43067,00008B4 -19-15JUN11-5/7



H97519 —UN—04AUG10



H101114 —UN—18APR11

Cross Section of Stalk Roll Shown

10. Using alignment marks made on face of stalk roll and shaft, simultaneously install both stalk rolls (A) on shafts (B).

IMPORTANT: Flat side of washer MUST face away from stalk roll.

11. Install previously removed spherical washer (C) and new retaining nut (D).

IMPORTANT: Avoid loosening of stalk rolls. Follow torque and turn procedure exactly.

NOTE: Use a 13 mm (1/2 in.) steel plate between rear of stalk rolls to prevent stalk rolls from rotating.

12. Tighten retaining nut to specification.

Specification

Stalk Roll Retaining

Nut—Torque..... 163 N·m + 60° Turn
(120 lb.-ft. + 60° Turn)

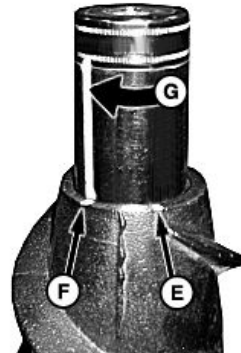
- Use calibrated torque wrench to tighten nut to specification.
- Mark stalk roll at one corner of retaining nut (E).
- Mark stalk roll at next corner of nut (F), going clockwise.
- Position socket on retaining nut and extend first mark (E) onto wall of socket
- Tighten nut (G) until mark on socket reaches second mark on stalk roll (F).
- Repeat on remaining stalk roll.

A—Stalk Roll
B—Shaft
C—Spherical Washer
D—Retaining Nut

E—Mark at Corner of Hex Nut
F—Mark at Next Corner of Hex Nut (clockwise)
G—60° Turn



H101374 —UN—05MAY11



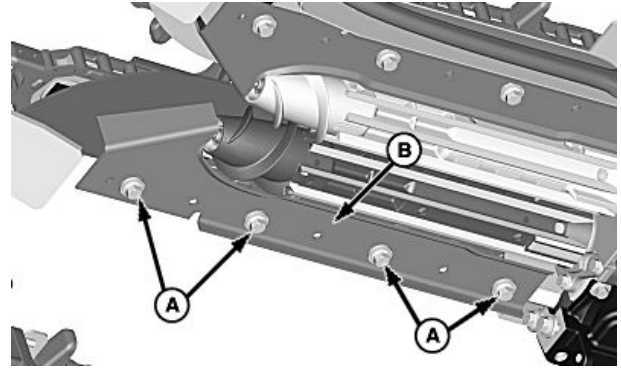
H101375 —UN—05MAY11

Continued on next page

KR43067,00008B4 -19-15JUN11-6/7

13. Install trash knives (B) using cap screws and washers (A).
14. Adjust trash knives (see ADJUSTING TRASH KNIVES in ADJUSTMENTS section).

A—Cap Screws and Washers (8 used) B—Trash Knife (2 used)



H94250—UN—10JUN09

KR43067,00008B4 -19-15JUN11-7/7

Reversing Gatherer Chains and Sprockets for Additional Wear

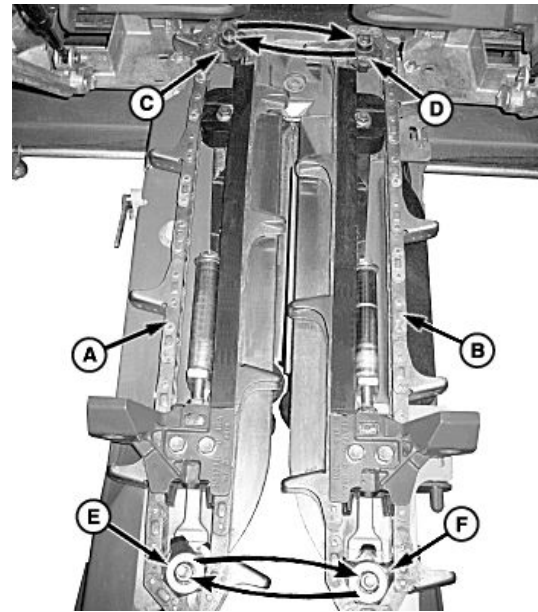
The gatherer chains and sprockets can be reversed for additional wear. This should be done to all row units at the same time.

1. To reverse gatherer chains and sprockets:

NOTE: Mark each chain and sprocket with side it was removed from for correct placement during assembly.

- a. Remove gatherer chains (A and B) — (see REMOVE AND INSTALL GATHERER CHAIN in this section).
- b. Remove drive sprockets (C and D).
- c. Install drive sprockets on opposite shaft than removed from.
- d. Remove sprockets (E and F).
- e. Install sprockets on opposite shaft than removed from.
- f. Flip each gatherer chain over and install on opposite side than removed from.

2. Repeat on remaining row units.



A—Gatherer Chain
B—Gatherer Chain
C—Drive Sprocket

D—Drive Sprocket
E—Sprocket
F—Sprocket

H99116—UN—17NOV10

KR43067,0000739 -19-18NOV10-1/1

Remove and Install Gatherer Chain

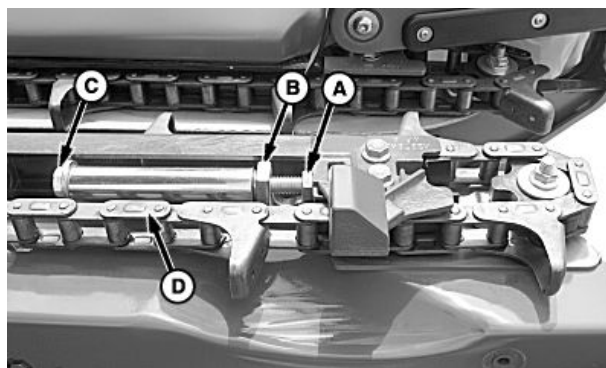
⚠ CAUTION: Completely raise corn head, shut OFF engine, set parking brake, remove key, and lower feeder house safety stop before working under header.

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

Gatherer chains can be removed for servicing parts of the row unit without uncoupling chain.

⚠ CAUTION: Never service components of the chain drive assembly until nut (A) is 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.
2. Loosen cap screw (C), if necessary, to release remaining tension on chain.



H99117—JUN—17NOV10

A—Nut
B—Leg of Strap

C—Cap Screw
D—Gatherer Chain

3. Remove gatherer chain (D).
4. Install gatherer chain in reverse order.

KR43067,000073A -19-16MAR11-1/1

Remove and Install Oil Pan

1. Completely raise corn head and engage feeder house safety stop.
2. Operate header for a short time to warm oil.

NOTE: Capture fluid in a clean container and dispose of properly.

3. Remove drain plug (A), disengage safety stop, and lower corn head to drain oil.

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

4. Remove cap screws and washers (B), and oil pan (C).
5. Clean all dirt and oil from side of frame (D) where oil pan is mounted.
6. Verify seal on oil pan (E) is clean and undamaged. Replace as necessary.

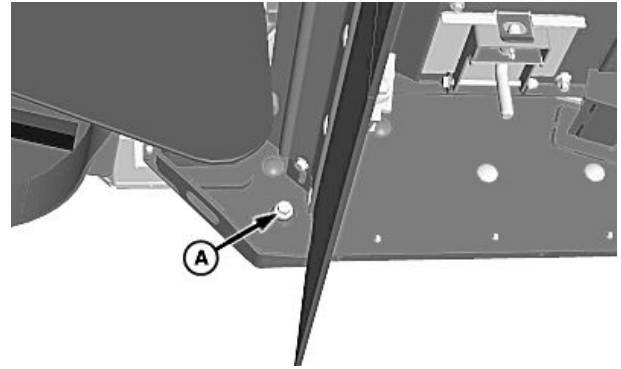
NOTE: When mounting oil pan, start installing hardware at center (F) and move outward.

7. Install oil pan using cap screws and washers. Tighten to specification.

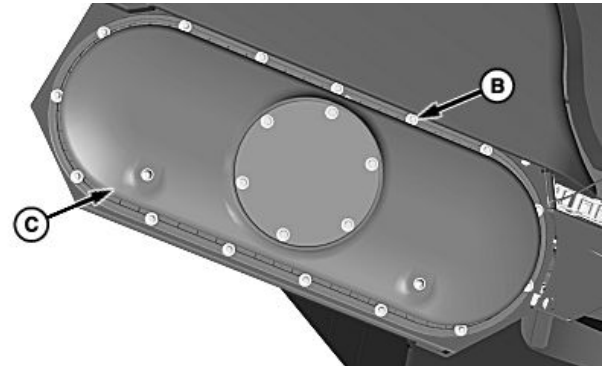
Specification

Oil Pan Cap
Screws—Torque.....10 N·m
(89 lb.-in.)

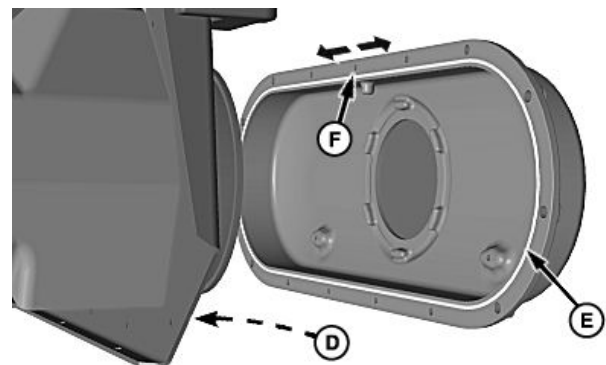
A —Drain Plug	D —Surface of Frame
B —Cap Screw and Washer (15 used)	E —Seal
C —Oil Pan	F —Center Hole



H99231—UN—30NOV10



H99234—UN—30NOV10



H99235—UN—30NOV10

Continued on next page

KR43067,0000750 -19-19APR11-1/2

8. Install drain plug (A).
9. Remove check plug (B) and access door (C).

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

10. Add SAE 80/90 gear lube through access door opening (D) until level with bottom of check plug hole (E).

Specification

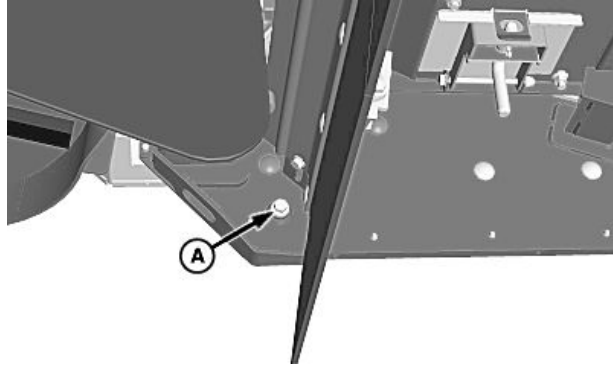
Oil Pan—Capacity..... 0.9 L
(1 qt.)

NOTE: Verify access door seal is clean and undamaged. Replace as necessary.

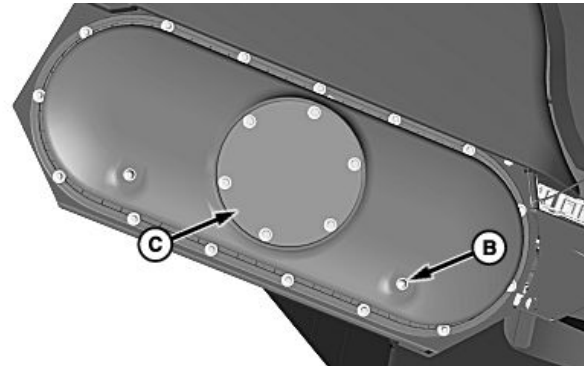
11. Install access door and check plug.

A—Drain Plug
B—Check Plug
C—Access Door

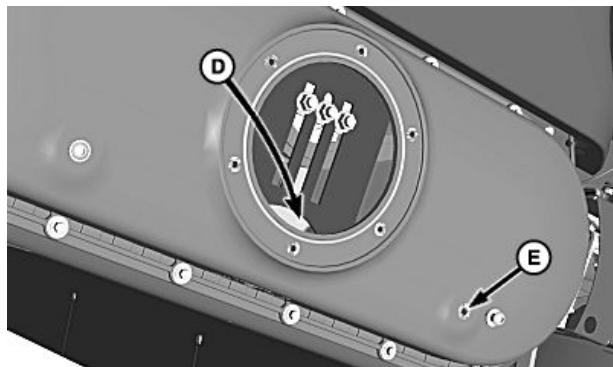
D—Fill Location
E—Drain Plug Hole



H99231—UN—30NOV10



H99232—UN—30NOV10



H99233—UN—30NOV10

KR43067,0000750 -19-19APR11-2/2

Remove and Install Wear Strips

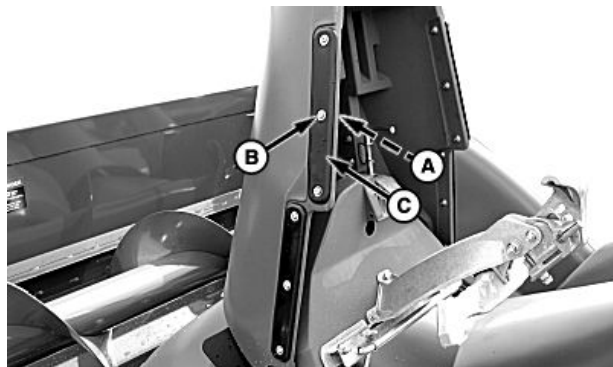
1. Remove nut and washer (A).
2. Remove bolt and washer (B).
3. Remove wear strip (C).
4. Install new wear strip in reverse order.

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

KR43067,000026C -19-24APR09-1/1

Remove and Install StalkMaster™ Chopping Knife Blades

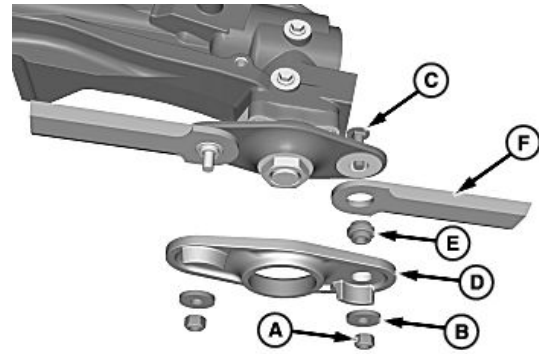
CAUTION: Knives have two cutting edges and can cause serious injury. Wear gloves when handling knives.

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

NOTE: StalkMaster™ chopping knives are wear items. Knives can be flipped for extended knife wear. Flip or replace knives as needed to maintain acceptable stalk chopping capability.

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 harvest conditions and the strain on the knives.

1. Remove lock nuts (A), washers (B), carriage bolts (C), lower mounting plate (D), bushings (E), and chopping blades (F).
2. Flip or replace blades.
3. Inspect all hardware and bushings for excessive wear or damage and replace as necessary. Lock nuts can



A—Lock Nut (2 used)

B—Washer (2 used)

C—Carriage Bolt (2 used)

D—Lower Mounting Plate

E—Bushing (2 used)

F—Chopping Blade (2 used)

be reused when flipping blades. Lock nuts must be replaced when replacing knives.

4. Install components in reverse order of removal. Tighten to specification.

Specification

Chopping Blade Cap

Screws—Torque.....85 N·m
(63 lb.-ft.)

KM00321,0000510 -19-06OCT11-1/1

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.

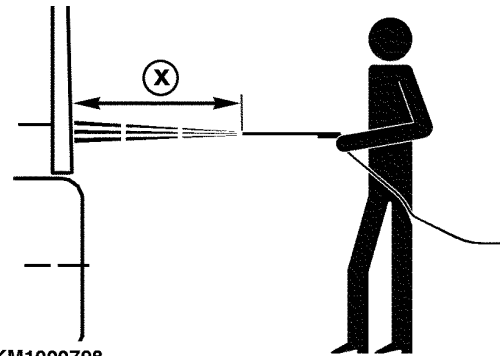
Specification

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.)

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

Storage

End of Season Service

1. Lower corn head onto feeder house safety stop, wooden blocks, or the ground.
2. Open end fenders, gatherer points, and deck covers (see OPERATING CORN HEAD section for procedures).

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 machine.

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

4. Check fluid levels on all gearboxes and chain drives.
5. Lubricate corn head as outlined in LUBRICATION AND MAINTENANCE section of this manual. Grease the threads on adjusting bolts.
6. Paint all parts where paint is worn or chipped.
7. Use a polymer protectorate on gatherer points, deck covers, and end fenders.
8. Close all shields.
9. If possible, shelter the corn head in a dry place.
10. Order repair parts needed for next season.

KR43067,0000563 -19-25MAR10-1/1

Beginning of Season Service

1. Open end fenders, row unit points, and shields (see OPERATING CORN HEAD section).

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 machine.

2. Wash any dirt or debris off machine that accumulated during storage.
3. Adjust row unit, auger drive, and row unit chains to proper tension (see ADJUSTMENTS section).

4. Check oil levels in all gearboxes and chain drives.
5. Lubricate corn head as outlined in LUBRICATION AND MAINTENANCE section of this manual. Grease the threads on adjusting bolts.
6. Verify all hardware is tightened to specification and all cotter pins are spread.
7. Close shields, fenders, and points.
8. Run corn head at half-speed for a few minutes. Check for overheating bearings, gearbox leaks, or loose chains.
9. Review your Operators Manual.

KM00321,0000511 -19-06OCT11-1/1

Specifications

Specifications

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

Row Unit Points		Low profile floating type hinged above row unit chains
Row Unit Chains		Heavy-duty 620 endless steel roller chain with chromed pins (no master connecting link)
Minimum Clearance Between Row Unit Chains and Ground		32 mm (1-1/4 in.)
Row Unit Drive		Enclosed gear box with gears submerged in oil; driven by input hex. shafts
Row Unit 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.)
---------------	--	------------------------

Approximate Operating Height:

606C and 608C		1300 mm (4 ft 3.2 in.)
---------------	--	------------------------

Approximate Weight:

Model	Row Spacing	Weight kg (lb.)
Chopping Corn Head - StalkMaster™:		
606C-SM	70 cm (27.5 in.)	2385 kg (5258 lb.)
606C-SM	75 cm (29.5 in.), 76.2 cm (30 in.)	2420 kg (5335 lb.)
608C-SM	70 cm (27.5 in.)	2910 kg (6415 lb.)
608C-SM	75 cm (29.5 in.), 76.2 cm (30 in.)	2950 kg (6504 lb.)
Non-Chopping Corn Head:		
606C	70 cm (27.5 in.)	2185 kg (4817 lb.)
606C	75 cm (29.5 in.), 76.2 cm (30 in.)	2220 kg (4894 lb.)
608C	70 cm (27.5 in.)	2650 kg (5842 lb.)
608C	75 cm (29.5 in.), 76.2 cm (30 in.)	2690 kg (5930 lb.)

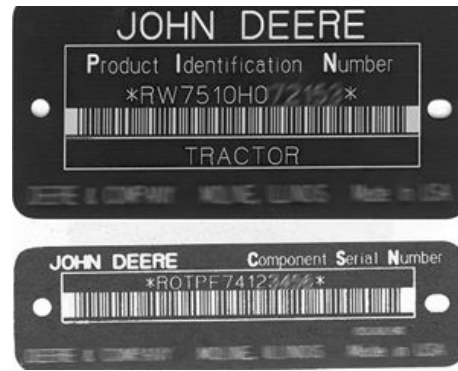
NOTE: Specifications and design subject to change without notice.

StalkMaster is a trademark of Deere & Company

KM00321,0000512 -19-06OCT11-1/1

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

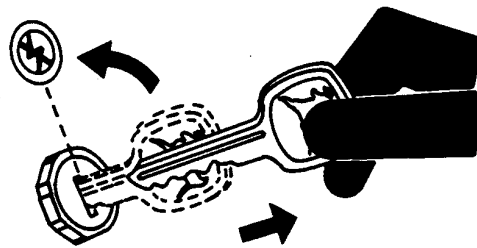


TS1680—UN—09DEC03

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.

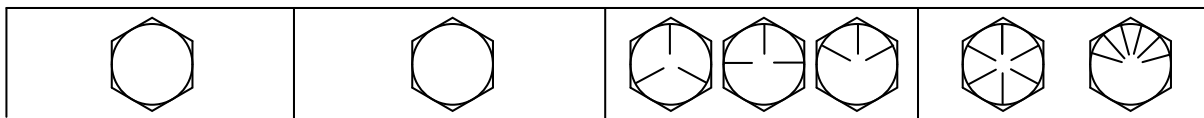


TS230—UN—24MAY89

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.

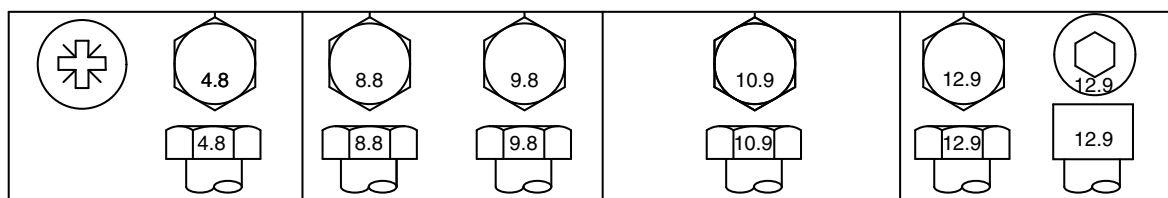
^b"Lubricated" means coated with a lubricant such as engine oil, fasteners with phosphate and oil coatings, or 7/8 in. and larger fasteners with JDM F13C, F13F or F13J zinc flake coating.

^c"Dry" means plain or zinc plated without any lubrication, or 1/4 to 3/4 in. fasteners with JDM F13B, F13E or F13H zinc flake coating.

DX,TORQ1 -19-12JAN11-1/1

Metric Bolt and Screw Torque Values

TS1670 —UN—01MAY03



Bolt or Screw Size	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	
	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, F13F or F13J zinc flake coating.

^b“Dry” means plain or zinc plated without any lubrication, or M6 to M18 fasteners with JDM F13B, F13E or F13H zinc flake coating.

DX,TORQ2 -19-12JAN11-1/1

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.
- E** points to the "Constr. year" field.
- F** points to the "Model year" field.

Additional fields on the plate include:

- "Identificac..." (partially visible)
- "CE" logo
- "Maschinenfabrik Kemper GmbH & Co KG 48703 Stadthorn"

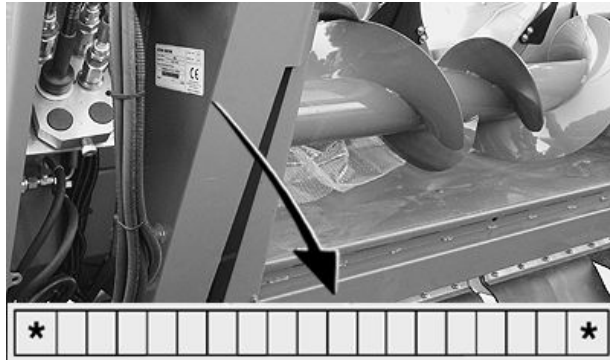
KM1001015

KM1001015 — UN — 06 OCT 09

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 — 09 JUL 10

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

Index

	Page		Page
A		Connections..... 35-1	
Active Header Control (AHC)		Corn head	
Troubleshooting	65-3	Armrest Controls	40-3
Active header control ground sensors	45-1	Engage/Disengage Drive	40-4
Adjustable Deck Plate	40-10	Troubleshooting	65-1
Adjusting auger drive chain	50-10	Corn Head	
Adjusting Auger Height.....	50-8	Attaching	35-1
Adjusting Deck Plates		Drive Shaft	35-1
Hydraulic Accumulator	50-4	Engage/Disengage	40-4
Adjusting gatherer chain flights	50-3	Latching	35-1
Adjusting gatherer chain tension	50-3	Corn Head Drive Speeds.....	40-4
Adjusting row unit drive chain.....	50-6	Corn Head Grease	
Armrest		Grease, Corn Head.....	55-1
Controls.....	40-3	Coupling the chain.....	50-9
Switches			
Road transport disconnect (black).....	10-4	D	
Attaching.....	35-1	Disengaging Corn Head Drive.....	40-4
Auger	40-11	Draining oil.....	70-7
Adjust Height.....	50-8		
Auger drive chain adjustment	50-10	E	
Auger Drive Chain Lubrication.....	60-4	Ear Savers.....	40-8
Auger Drive Slip Clutch Lubrication.....	60-5	End of Season Service	75-1
AutoTrac RowSense.....	45-2	Engaging Corn Head Drive.....	40-4
		Every 1000 hours of operation	
B		Lubrication	60-7
Beginning of Season Service	75-1	Chopping gear cases oil	60-7
Bolt and screw torque values		Every 200 hours of operation	
Metric	80-4	Inspection	
Unified inch	80-3	Chains	60-2
		Every 200 Hours of Operation	
C		Lubrication	60-3
Cab		Auger Drive Chain	60-4
Switches		Auger Drive Slip Clutch	60-5
Road transport disconnect (black).....	10-4	Row Unit Drive Chain Oil.....	60-3
Chain		Row Unit Gear Case Oil Level	60-4
Auger chain service	60-2	Slip Clutches	60-5
Auger drive chain adjustment	50-10	StalkMaster Gear Case Oil Level	60-6
Coupling the chain	50-9		
Gatherer chain flight adjustment.....	50-3	F	
Gatherer chain service.....	60-2	Feeder house latching	35-7
Gatherer chain tension adjustment	50-3	Feeder house manual unlatching	35-7
Replacing gatherer chain	70-6	Feeder house pins (cleanout).....	35-7
Reversing chain and sprocket.....	70-5	Feeder house safety stop	70-1
Row unit drive chain adjustment.....	50-6	Folding/Unfolding the Corn Head	30-1
Row unit drive chain service	60-2		
Chopping gear cases		G	
Replace oil	60-7	Gatherers.....	40-5
Chopping Gear Cases		Adjusting gatherer chain flights	50-3
Check Oil Level.....	60-6	Adjusting gatherer chain tension.....	50-3
Remove and Install Knife Blades	70-9	Raising inner gatherer shields	40-6
Slip Clutch Lubrication	60-5	Raising outer gatherer shields	40-8
StalkMaster	45-2	Removing inner gatherer shields	40-6
Cleaning Corn Head	70-9	Tilting outer gatherer shields.....	40-8
Combines With Fixed-Chain-Drive Feeder House	40-4		

Continued on next page

	Page		Page
Gatherers, Adjusting Gatherer Points.....	50-1	Multi-coupler adjusting.....	35-5
Gatherers, Leveling Gatherer Points.....	50-1	Multi-coupler adjusting feeder house pins.....	35-7
Gatherers, Removing Ear Savers.....	40-8	Multi-Function Lever, Adjustable Deck Plate.....	40-10
GPS guidance			
AutoTrac RowSense.....	45-2		
Grease		O	
Extreme pressure and multipurpose.....	55-1	Oil pan	
H		Remove and install.....	70-7
Hardware torque values		Operating the Corn Head	
Metric.....	80-4	Adjusting Corn Head Properly.....	40-1
Unified inch.....	80-3	Drive and Operate Carefully.....	40-1
Haulage		General Information.....	40-1
Preparing the Corn Head for Haulage.....	20-1	Harvesting Corn with Weakened or Broken Stalks..	40-5
Header		Harvesting Popcorn.....	40-5
Single point adjusting.....	35-5	StalkMaster Chopper.....	40-2
Single point latching pin adjusting.....	35-7	Starting In TheField.....	40-1
Header Removal from Feeder House.....	35-4	Outer Gatherer Extensions.....	40-11
Hydraulic Accumulator.....	50-4		
I		P	
Identification View.....	00-1	Preparing the Corn Head	
Inspect chains.....	60-2	Removing the Transport Pallet.....	25-1
Install oil pan.....	70-7		
Install wear strips.....	70-8	R	
K		Raising and tilting outer gatherer shields.....	40-8
Knife Stalk Rolls.....	40-9	Remove and Install	
L		StalkMaster Chopping Blades.....	70-9
Lubricant		Remove and install gatherer chain.....	70-6
Mixing.....	55-2	Remove and install inner gatherer points.....	40-6
Lubricant Storage		Remove and install inner gatherer shields.....	40-6
Storage, Lubricant.....	55-1	Remove and install oil pan.....	70-7
Lubricants, Safety		Remove and install stalk rolls.....	70-1
Safety, Lubricants.....	55-1	Remove and install wear strips.....	70-8
Lubrication		Removing Header from Feeder House.....	35-4
Every 1000 hours.....	60-7	Reversing chain and sprocket for additional wear.....	70-5
Chopping gear cases oil.....	60-7	Row unit.....	40-9
Every 200 Hours.....	60-3	Adjusting gatherer chain flights.....	50-3
Auger Drive Chain.....	60-4	Adjusting gatherer chain tension.....	50-3
Auger Drive Slip Clutch.....	60-5	Adjusting row unit drive chain.....	50-6
Row Unit Drive Chain Oil.....	60-3	Coupling the chain.....	50-9
Row Unit Gear Case Oil Level.....	60-4	Replacing gatherer chain.....	70-6
Slip Clutches.....	60-5	Reversing chain and sprockets.....	70-5
StalkMaster Gear Case Oil Level.....	60-6	Row Unit	
Lubrication Intervals		Drive Chain Oil.....	60-3
Every 50 Hours.....	60-1	Stalk Rolls.....	45-1
Lubrication Symbols.....	60-1	Row Unit Gear Case Oil Level.....	60-4
M		Row Unit, Adjusting Deck Plates.....	50-4
Metric bolt and screw torque values.....	80-4	Row Unit, Adjusting Row Spacing.....	50-5
Mixing lubricants.....	55-2	Row Unit, Adjusting Row Unit Drive	
		Sprockets	
		with Fixed-Speed Feeder House.....	50-7
		Row Unit, Fixed-Speed Feeder House.....	50-7
		RowSense guidance.....	45-2

Continued on next page

	Page		Page
S		Transport	
Safety		Accident Prevention	30-2
Feeder house safety stop	70-1	Driving on Public Roads.....	30-1
Pictorial safety signs	15-1	Folding/Unfolding the Corn Head.....	30-1
Sensors		Lowering Outer Gatherer Extensions.....	30-1
Active header control	45-1	Transport Combine with Corn Head Installed	10-5
Serial Number.....	85-1	Trash knives	
Service		Adjust	50-2
Every 50 Hours of Operation	60-1	Troubleshooting	
Feeder house safety stop	70-1	Active Header Control (AHC).....	65-3
Lubrication		Corn head	65-1
Every 1000 hours	60-7	Type Plate.....	85-1
Chopping gear cases oil	60-7		
Every 200 hours		U	
Inspect and adjust chains	60-2	Unified inch bolt and screw torque values	80-3
Every 200 Hours.....	60-3	Unlatching feeder house manually	35-7
Auger Drive Chain	60-4		
Auger Drive Slip Clutch.....	60-5	W	
Row Unit Drive Chain Oil.....	60-3		
Row Unit Gear Case Oil Level.....	60-4	Wear strips	
Slip Clutches.....	60-5	Remove and install	70-8
StalkMaster Gear Case Oil Level	60-6		
Raising and tilting outer gatherer shields.....	40-8		
Remove and install inner gatherer points	40-6		
Remove and install inner gatherer shields.....	40-6		
Remove and install oil pan.....	70-7		
Remove and install stalk rolls	70-1		
Remove and install wear strips	70-8		
Reversing chain and sprockets.....	70-5		
Shear screw multi-coupler	35-8		
Single point latching adjusting	35-5		
Single point latching pin adjusting	35-7		
Slip Clutches			
Lubrication	60-5		
Auger Drive	60-5		
Specifications	80-1		
Speeds	40-4		
Stalk rolls			
Remove and install	70-1		
Stalk Rolls.....	40-9, 45-1		
Intermeshing Knives	45-1		
Opposed Knives.....	45-1		
StalkMaster			
Check Gear Case Oil Level	60-6		
Flipping Chopping Blades	70-9		
Remove and Install Chopping Blades.....	70-9		
Slip Clutch Lubrication	60-5		
StalkMaster Chopping Option.....	45-2		
Starting in the Field.....	40-1		
Storage	75-1		
Switches			
Road transport disconnect (black)	10-4		
T			
Torque charts			
Metric	80-4		
Unified inch	80-3		

John Deere Service Keeps You On The Job

John Deere Parts

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

That's why we maintain a large and varied inventory—to stay a jump ahead of your needs.



TS100 —UN—23AUG88

DX,IBC,A -19-04JUN90-1/1

The Right Tools

Precision tools and testing equipment enable our Service Department to locate and correct troubles quickly . . . to save you time and money.



TS101 —UN—23AUG88

DX,IBC,B -19-04JUN90-1/1

Well-Trained Technicians

School is never out for John Deere service technicians.

Training schools are held regularly to be sure our personnel know your equipment and how to maintain it.

Result?

Experience you can count on!



TS102 —UN—23AUG88

DX,IBC,C -19-04JUN90-1/1

Prompt Service

Our goal is to provide prompt, efficient care when you want it and where you want it.

We can make repairs at your place or at ours, depending on the circumstances: see us, depend on us.

JOHN DEERE SERVICE SUPERIORITY: We'll be around when you need us.



TS103 —UN—23AUG88

DX,IBC,D -19-04JUN90-1/1

