

460^{pro} StalkBuster™ Rotary Harvesting Unit



JOHN DEERE

OPERATOR'S MANUAL

460pro StalkBuster™ Rotary Harvesting Unit

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Maschinenfabrik Kemper GmbH & Co. KG

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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 rotary harvesting unit may be installed and operated on a forage harvester only. The operator must be entitled to drive a forage harvester on public roads. This manual and the safety signs on your machine are also available in other languages (see your John Deere dealer to order).

THIS MANUAL SHOULD BE CONSIDERED a permanent part of your machine and must remain with the machine when you sell it.

MEASUREMENTS IN THIS MANUAL are given in metric units. The customary U.S. unit equivalents are also quoted. Only use components and bolts that fit. Metric and inch fasteners may require a specific metric or inch wrench.

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

THE TERM "TRANSPORT" refers to a rotary harvesting unit mounted on a forage harvester and transported from A to B on the forage harvester.

THE TERM "HAULAGE" refers to a rotary harvesting unit loaded on a flatbed carrier and transported from A to B on the flatbed carrier.

LOADING AND TRANSPORTING of this rotary harvesting unit must be performed only by persons familiar with how the load is secured, and who can provide evidence of this.

WRITE PRODUCT IDENTIFICATION NUMBERS (P.I.N.) in the Specification or Identification Numbers section. Record all numbers exactly. In the event of theft, these numbers may prove vital in tracing your property. Your John Deere dealer needs these numbers when you order parts. File the identification numbers in a secure place away from machine.

BEFORE DELIVERING THIS MACHINE, your dealer performed a predelivery inspection.

INTENDED USE: THIS ROTARY HARVESTING UNIT may be used ONLY for harvesting:

- thick-stemmed, flexible types of plant such as maize, elephant grass or bamboo
- thin-stemmed types of plant such as wheat, mustard

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.

THIS ROTARY HARVESTING UNIT MUST NOT be used to manually transfer materials of any sort and is not suitable for the transfer and chopping of:

- woody plants with a diameter greater than 1 mm
- wood intended for chipping
- animal feed such as sugar beet
- metallic objects
- materials that include stones

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 ROTARY HARVESTING UNIT MUST be serviced and repaired ONLY by industrial mechanics, fitters or persons with comparable qualifications. The electrical system must be repaired only by electricians. 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. It is not permitted to alter the machine to accept crops other than those permitted in its intended use. Any arbitrary modifications carried out on this rotary harvesting unit will relieve the manufacturer of all liability for any resulting damage or injury.

THIS ROTARY HARVESTING UNIT MAY NOT be used in USA and Canada.

KM00321,000070D -19-03JUL23-1/1

Trademarks

List of trademarks used throughout this Operator's Manual.

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StalkBuster™	Trademark of Deere & Company

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

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Zentralfunktionen
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A John Deere ILLUSTRATION™ Manual

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Predelivery Inspection

Predelivery Checklist

After the rotary harvesting unit has been completely assembled, inspect it to be sure it is in good running order before delivering it to the customer. Check off each item when found satisfactory or after making the necessary adjustments.

- ☐ All shields open and close freely.
- ☐ Rotary harvesting unit has been properly assembled.
- ☐ Parts delivered separately have been properly installed.
- ☐ All screws and nuts have been tightened to specified torque. Pay particular attention to the screws that hold on the knives. Comply with the tightening torques quoted in the Service section.
- ☐ All grease fittings have been lubricated.

- ☐ All the gear cases have been filled with the correct quantity of the correct oil/grease/coolant (see Lubrication and Periodic Service section).
- ☐ Rotary harvesting unit can be folded correctly.
- ☐ Rotary harvesting unit has been cleaned and touched up wherever paint is nicked or scratched.
- ☐ All moving parts are working freely.
- ☐ Check all slip clutches as shown in the Service section.
- ☐ All decals are in place and in good condition.
- ☐ This rotary harvesting unit has been tested and, to the best of my knowledge, is ready for delivery to the customer.

(Date Tested)

(Signature of Technician)

KM00321.0000940 -19-24APR19-1/1

Delivery Checklist

The following checklist is a reminder of very important information which should be conveyed directly to the customer when delivering the machine.

- ☐ The customer has been advised that the life expectancy of this or any other machine depends on regular lubrication as described in this operator's manual.
- ☐ Proper harvesting management practices have been discussed; these are required for good silage.
- ☐ This operator's manual has been handed over to the customer and all the operating adjustments have been fully explained.

- ☐ The customer has been advised of the safety precautions that must be observed while using the rotary harvesting unit.
- ☐ The customer has been invited to come in and discuss any problems that may be encountered while operating the rotary harvesting unit.
- ☐ The customer has been told to record the serial number of his rotary harvesting unit in the space provided in the Serial Number section.
- ☐ This page has been filled out and removed for filing.

(Signature of Technician)

(Signature of Customer)

KM00321.0000941 -19-24APR19-1/1

After-Sale Checklist

The following items should be checked on the new rotary harvesting unit at the start of the harvesting season.

- ☐ All screws and nuts have been tightened to specified torque. Pay particular attention to the screws that hold on the knives. Comply with the tightening torques quoted in the "Service" section.
- ☐ All safety shields are in place and fastened securely.
- ☐ Check for broken or damaged parts. Replace any broken or damaged parts with genuine spare parts.

- ☐ If possible, run the rotary harvesting unit to see if it is functioning properly.
- ☐ Once again discuss proper harvesting management practices; these are required for good silage.
- ☐ Review the entire operator's manual together with your customer and stress the importance of proper and regular lubrication, as well as safety precautions.

(Signature of Technician)

(Signature of Customer)

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Identification View

Identification View



460^{pro} StalkBuster™ Rotary Harvesting Unit

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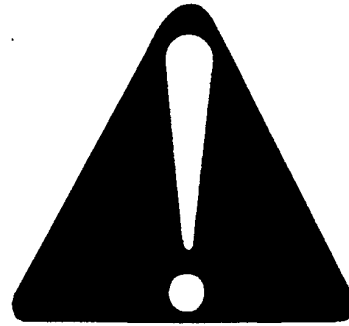
KM1575598 —UN—29JUN23

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.



DX,ALERT -19-03OCT22-1/1

T81388 —UN—28JUN13

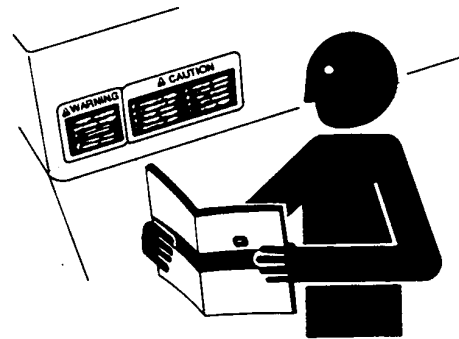
Follow Safety Instructions

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.



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

DX,READ -19-01AUG22-1/1

TS201 —UN—15APR13

Understand Signal Words

DANGER; The signal word DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

WARNING; The signal word WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION; The signal word CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury. CAUTION may also be used to alert against unsafe practices associated with events which could lead to personal injury.

A signal word—DANGER, WARNING, or CAUTION—is used with the safety-alert symbol. DANGER identifies the most serious hazards. DANGER or WARNING safety signs are located near specific hazards. General



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

DX,SIGNAL -19-05OCT16-1/1

TS187 —19—30SEP88

Observe Road Traffic Regulations

Always observe local road traffic regulations when using public roads.



H28930 —UN—30JUN89

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

Operator Ability

- Machine owners must make sure that operators are responsible, trained, have read the operating instructions and warnings, and know how to operate the machine properly and safely.
- Age, physical ability, and mental capacity can be factors in machine-related injuries. Operators must be mentally and physically capable of accessing the operator station

and/or controls, and operating the machine properly and safely.

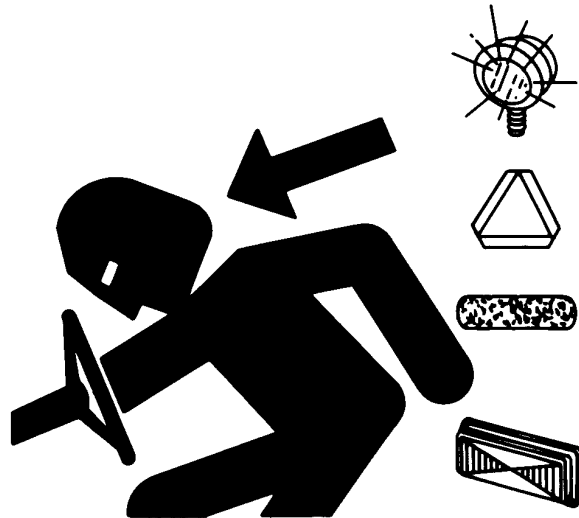
- Never allow a child or an untrained person to operate the machine. Instruct all operators not to give children a ride on the machine or an attachment.
- Never operate machine when distracted, fatigued, or impaired. Proper machine operation requires the operator's full attention and awareness.

DX,ABILITY -19-07DEC18-1/1

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

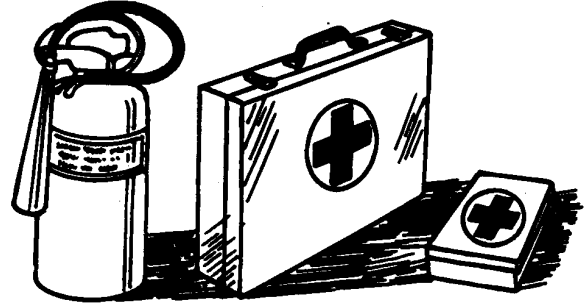
DX,FLASH -19-07JUL99-1/1

Prepare for Emergencies

Be prepared if a fire starts.

Keep a first aid kit and fire extinguisher handy.

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



TS291 —UN—15APR13

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

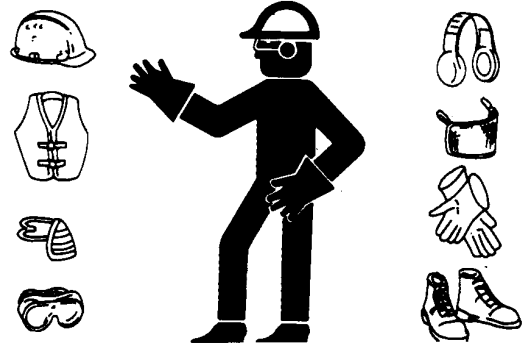
Wear Protective Clothing

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—15APR13

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

Check Machine Safety

Always check the road and general operating safety of the machine before using.

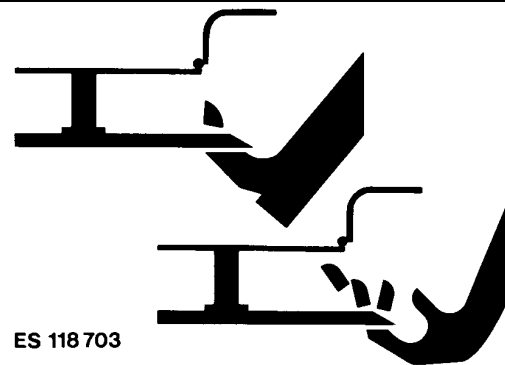
FX,READY -19-28FEB91-1/1

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.



ES 118 703

ES118703 —UN—21MAR95

FX,DEVICE -19-04DEC90-1/1

Stay Clear of Harvesting Unit

Due to their function, the cutting rotors as well as gathering, cross and feed drums cannot be completely shielded. Stay clear of these moving elements during operation. Always disengage main clutch, shut off engine and remove key before servicing or unclogging harvesting unit.



ES118704 —UN—21MAR95

ZX,CUT688 -19-10FEB98-1/1

Keep Hands Away From Knives

Never attempt to clear obstructions in front of or on harvesting unit unless main clutch is disengaged, engine shut off and key removed.

Everyone must be clear of the forage harvester before starting the engine.



TS254 —UN—23AUG88

FX,KNIFE -19-21DEC90-1/1

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

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 away 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.

Falling while cleaning or working at height can cause serious injury. Use a ladder or platform to easily reach each location. Use sturdy and secure footholds and handholds.



TS218 —UN—23AUG88

DX,SERV -19-28FEB17-1/1

Stay Clear of Rotating Drivelines

Entanglement in rotating driveline can cause serious injury or death.

Keep all shields in place at all times. Make sure rotating shields turn freely.

Wear close-fitting clothing. Stop the engine and be sure that all rotating parts and drivelines are stopped before making adjustments, connections, or performing any type of service on engine or machine driven equipment.



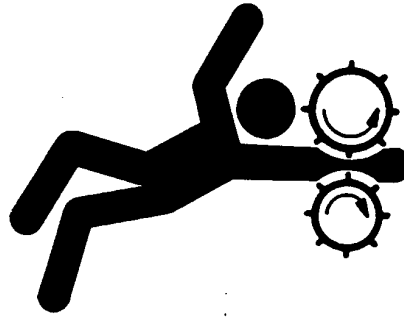
TS1644 —UN—22AUG95

DX,ROTATING -19-18AUG09-1/1

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

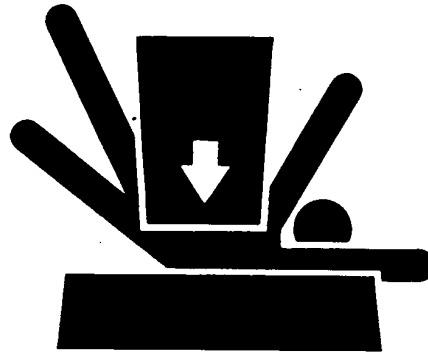
DX, LOOSE -19-04JUN90-1/1

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.

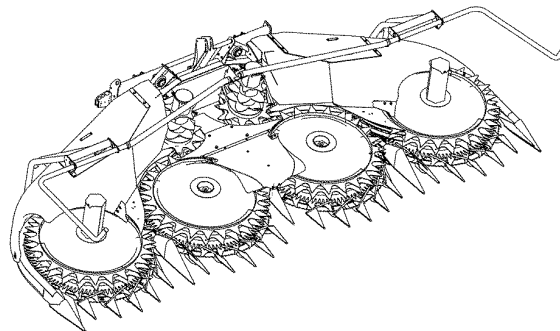


TS229 —UN—23AUG88

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

Avoid Entanglement

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



KM1001803

KM1001803 —UN—06DEC11

KM00321,0000536 -19-06DEC11-1/1

Avoid High-Pressure Fluids

Inspect hydraulic hoses periodically – at least once per year – for leakage, kinking, cuts, cracks, abrasion, blisters, corrosion, exposed wire braid or any other signs of wear or damage.

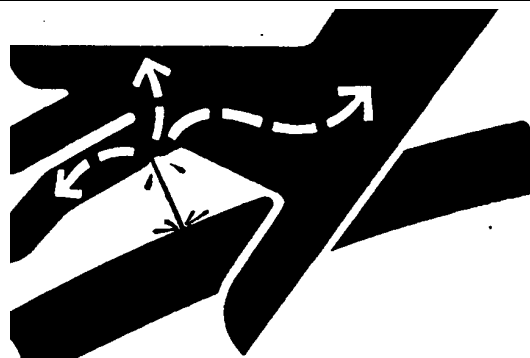
Replace worn or damaged hose assemblies immediately with John Deere approved replacement parts.

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



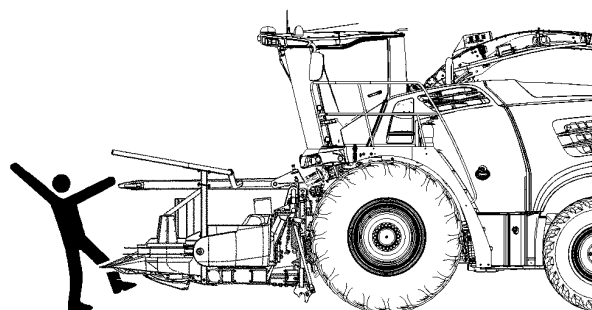
with this type of injury should reference a knowledgeable medical source. Such information is available in English from Deere & Company Medical Department in Moline, Illinois, U.S.A., by calling 1-800-822-8262 or +1 309-748-5636.

DX,FLUID -19-12OCT11-1/1

X9811 —UN—23AUG88

Transport with Harvesting Unit Installed

Before driving forage harvester on public roads, harvesting unit must be raised and secured in the raised position. It must not, however, obstruct operator's view of the road.



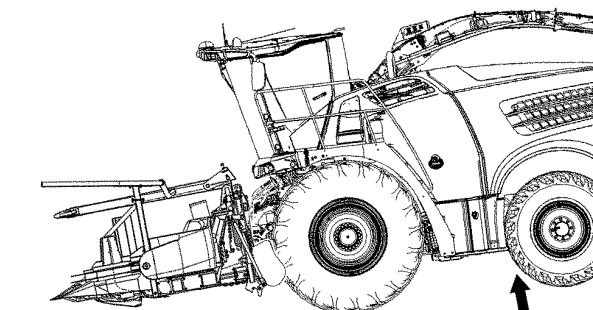
KM232861

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KM232861 —UN—10FEB15

Ballasting for Safe Ground Contact

Operating, steering and braking performance of forage harvester can be considerably affected by attachments which alter the center of gravity of the machine. To maintain safe ground contact, ballast the harvester at the rear end as necessary. Observe the maximum permissible axle loads and total weights.



KM232862

KM00321,0000391 -19-10FEB15-1/1

KM232862 —UN—10FEB15

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—15APR13

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

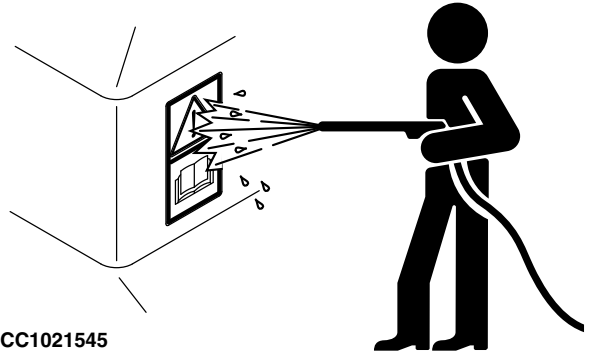
Dispose of paint and solvent properly.

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

Avoid High-Pressure Jet on Safety Decals

Pressurized water can remove or damage safety decals. Avoid to direct high-pressure jet on safety decals.

Immediately replace missing or damaged safety decals. Replacement safety decals are available from your John Deere dealer.



CC1021545

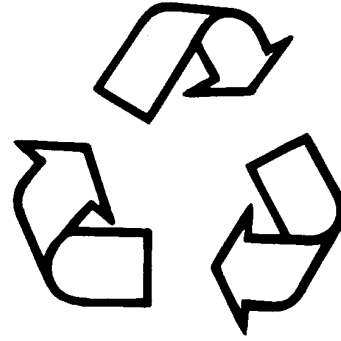
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OUC006,0000668 -19-22APR02-1/1

Decommissioning — Proper Recycling and Disposal of Fluids and Components

Safety and environmental stewardship measures must be taken into account when decommissioning a machine and/or component. These measures include the following:

- Use appropriate tools and personal protective equipment such as clothing, gloves, face shields or glasses, during the removal or handling of objects and materials.
- Follow instructions for specialized components.
- Release stored energy by lowering suspended machine elements, relaxing springs, disconnecting the battery or other electrical power, and releasing pressure in hydraulic components, accumulators, and other similar systems.
- Minimize exposure to components which may have residue from agricultural chemicals, such as fertilizers and pesticides. Handle and dispose of these components appropriately.
- Carefully drain engines, fuel tanks, radiators, hydraulic cylinders, reservoirs, and lines before recycling components. Use leak-proof containers when draining fluids. Do not use food or beverage containers.
- Do not pour waste fluids onto the ground, down a drain, or into any water source.
- Observe all national, state, and local laws, regulations, or ordinances governing the handling or disposal of waste fluids (example: oil, fuel, coolant, brake fluid);



- filters; batteries; and, other substances or parts. Burning of flammable fluids or components in other than specially designed incinerators may be prohibited by law and could result in exposure to harmful fumes or ashes.
- Service and dispose of air conditioning systems appropriately. Government regulations may require a certified service center to recover and recycle air conditioning refrigerants which could damage the atmosphere if allowed to escape.
 - Evaluate recycling options for tires, metal, plastic, glass, rubber, and electronic components which may be recyclable, in part or completely.
 - Contact your local environmental or recycling center, or your John Deere dealer for information on the proper way to recycle or dispose of waste.

DX,DRAIN -19-01JUN15-1/1

TS1133 —UN—15APR13

Protect Against Noise

There are many variables that affect the sound level range, including machine configuration, condition and maintenance level of the machine, ground surface, operating environmental, duty cycles, ambient noise, and attachments.

Exposure to loud noise can cause impairment or loss of hearing.

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



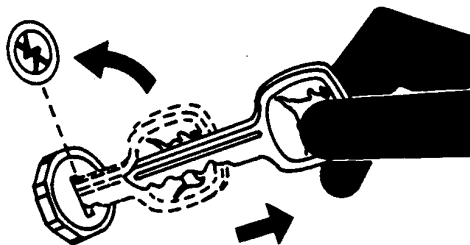
DX,NOISE -19-03OCT17-1/1

TS207 —UN—23AUG88

Park Machine Safely

Before working on the machine:

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



TS230 —UN—24MAY89

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

Use Proper Tools

Use tools appropriate to the work. Makeshift tools and procedures can create safety hazards.

Use power tools only to loosen threaded parts and fasteners.

For loosening and tightening hardware, use the correct size tools. DO NOT use U.S. measurement tools on metric fasteners. Avoid bodily injury caused by slipping wrenches.

Use only service parts meeting John Deere specifications.



TS779 —UN—08NOV89

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

Safety Decals

Pictorial Safety Signs

At several important places of 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.



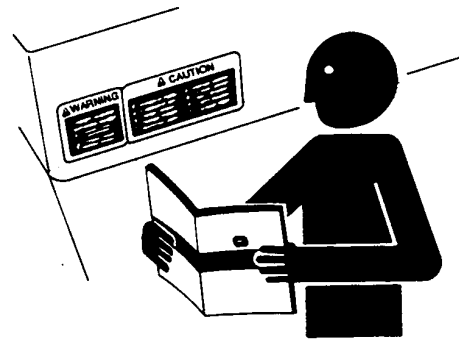
TS231 —19—07OCT88

FX,WBZ -19-22MAR23-1/1

Replace Safety Signs

Replace missing or damaged safety signs. Use this operator's manual for correct safety sign placement.

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

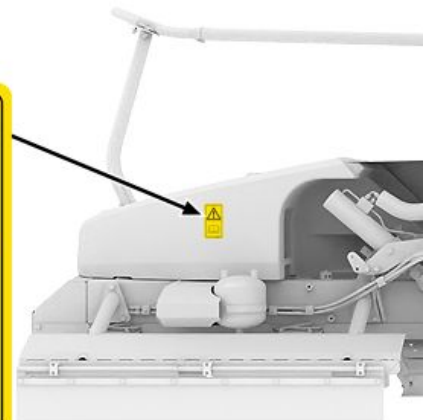


TS201 —UN—15APR13

DX,SIGNS -19-18AUG09-1/1

Operator's Manual

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

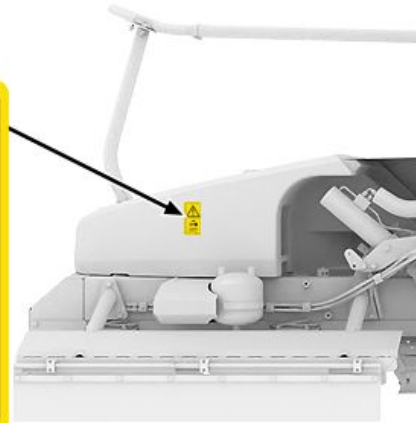


KM575599 —UN—29JUN23

km00321,1688383166179 -19-03JUL23-1/1

Repair and Maintenance

Before carrying out adjustment, repair and maintenance work, shut off forage harvester engine and remove ignition key.



KM575600 —UN—29JUN23

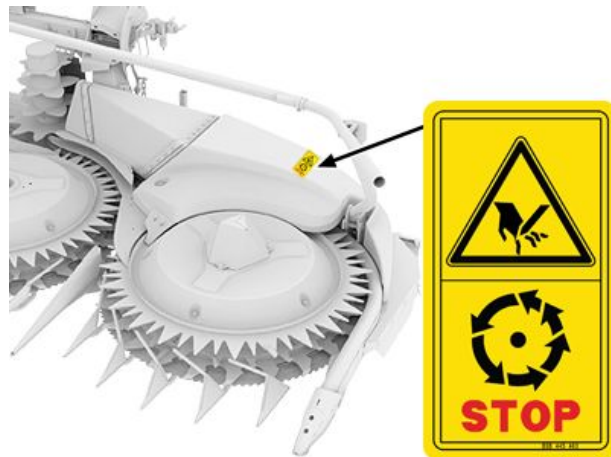
km00321,1688383310104 -19-03JUL23-1/1

Rotating Blades

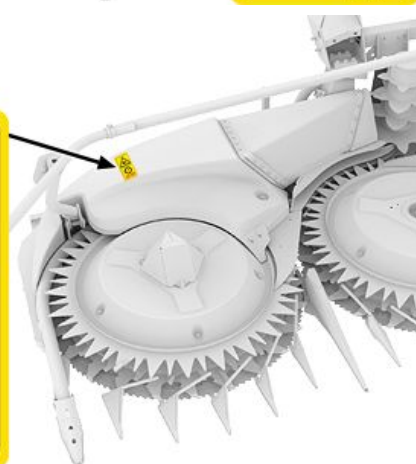
Do not touch any moving machine parts. Wait until all moving parts have stopped.

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

Rotating blades can catch arms, legs or loose clothing as long as they are in motion and can cause serious injury.



KM575601 —UN—29JUN23



KM575602 —UN—29JUN23

km00321,1688383364655 -19-03JUL23-1/1

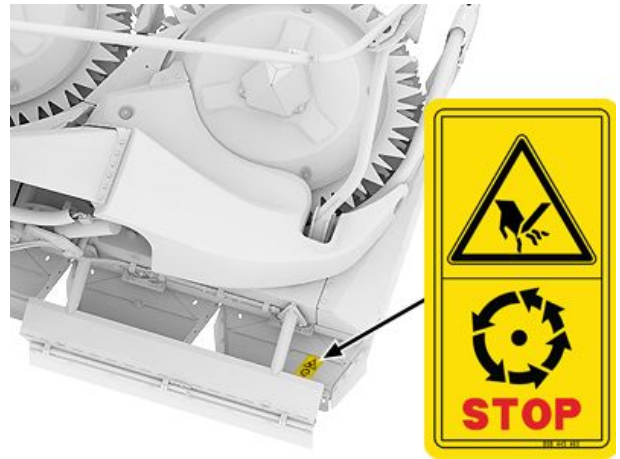
StalkBuster™ Mulching Units

NOTE: Eight StalkBuster™ mulching units are installed.

Stalkbuster™ mulching units are rotating. Do not touch any moving machine parts. Wait until all moving parts have stopped.

The StalkBuster™ mulching units are not immediately stopped when the machine is shut down.

StalkBuster™ mulching units can catch arms, legs, or loose clothing as long as they are in motion and can cause serious injury.



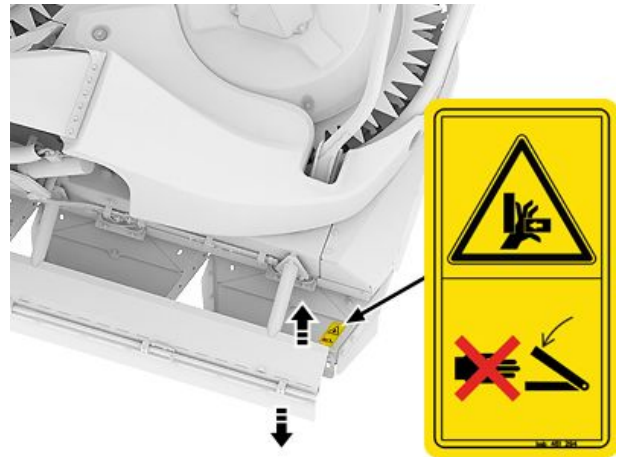
KM584035 —UN—29JUN23

km00321,1688383487208 -19-03JUL23-1/2

StalkBuster™ mulching units are pivoting by pneumatic pressure.

Never reach into crushing danger area as long as the StalkBuster™ mulching units pivot.

Before carrying out adjustment, repair and maintenance work, release pneumatic pressure.

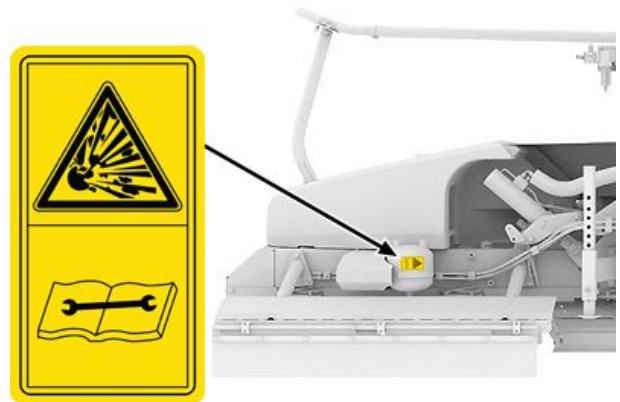


KM584036 —UN—29JUN23

km00321,1688383487208 -19-03JUL23-2/2

Accumulator - StalkBuster™ Mulching Units

Avoid bodily injuries from air under pressure.



KM584037 —UN—29JUN23

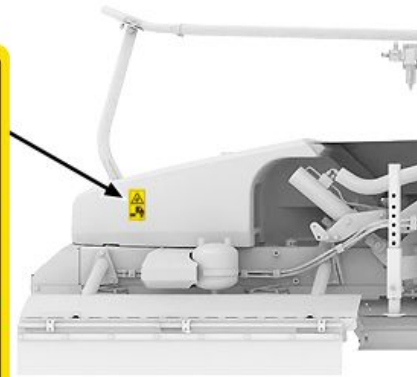
km00321,1688383787313 -19-03JUL23-1/1

Folding Area

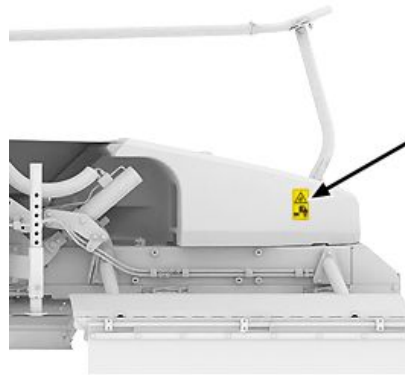
Stay clear of the folding area of the rotary harvesting unit.

When folding or unfolding the rotary harvesting unit, 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 rotary harvesting unit.



KM584038 —UN—29JUN23

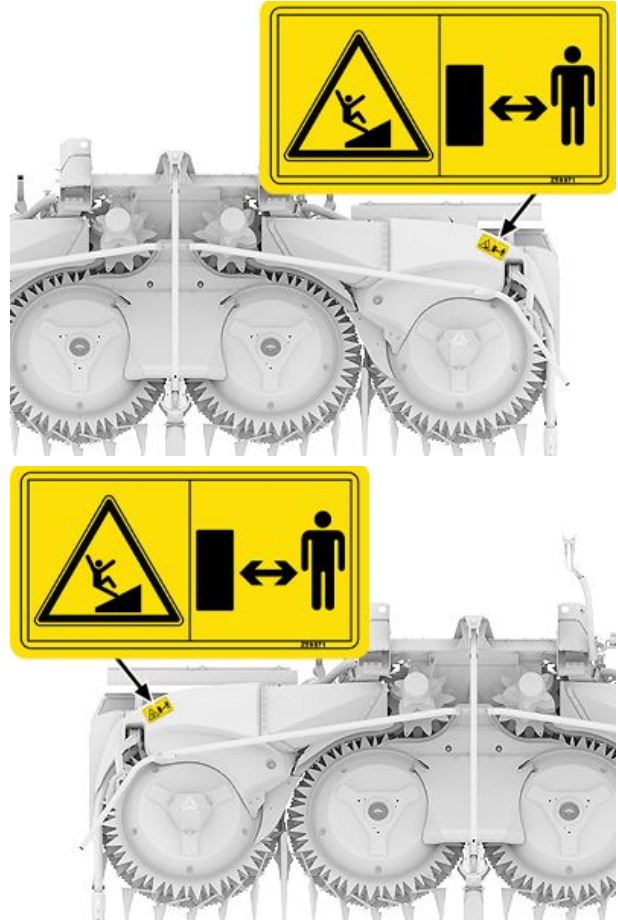


KM584039 —UN—29JUN23

km00321,1688383866707 -19-03JUL23-1/1

Stay Clear of Rotary Harvesting Unit

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



KM584040 — UN — 29JUN23

KM584041 — UN — 29JUN23

km00321,1688384118580 -19-03JUL23-1/1

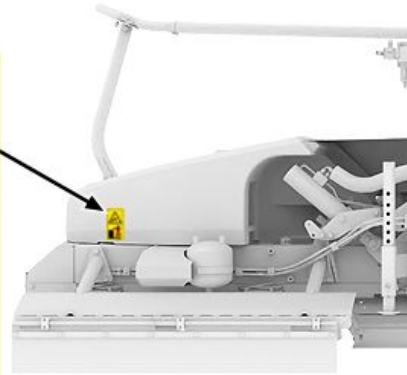
Rotating Drums

Stay clear of rotating drums to avoid personal injury.

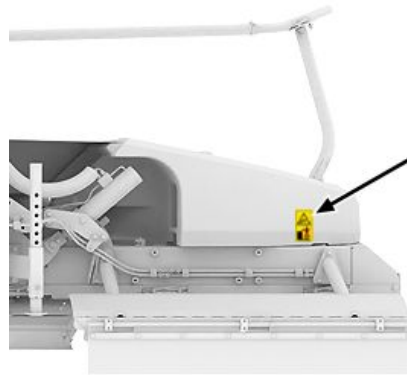
Arms, legs or loose clothing might become caught by the rotating drums when in operation.

Always keep the required safety distance from the rotating drums.

Wait until all moving parts have stopped.



KM584042 —UN—29JUN23



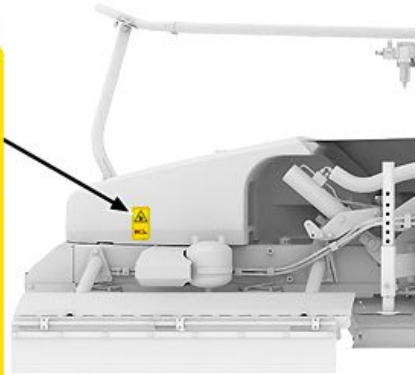
KM584043 —UN—29JUN23

km00321,1688384198155 -19-03JUL23-1/1

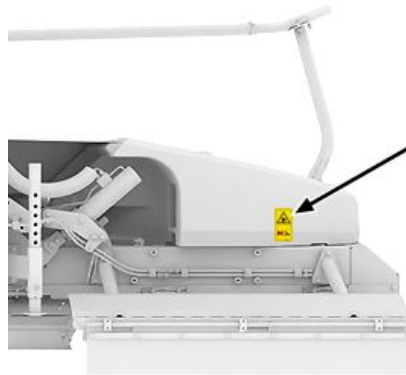
Foldable Frame

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

Reaching into crushing danger area can cause serious injury.



KM584044 — UN — 29JUN23



KM584045 — UN — 29JUN23

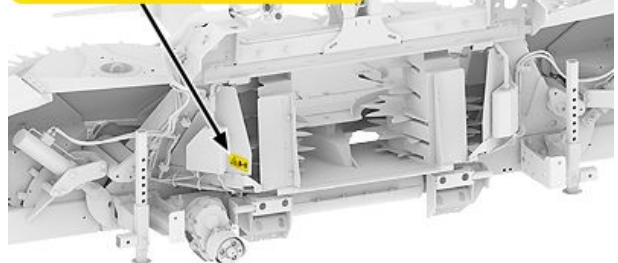
km00321,1688384294586 -19-03JUL23-1/1

Input Transmission

Input transmission can cause excessive heat.

Stay clear of hot surface.

Hot surface can cause serious burns.



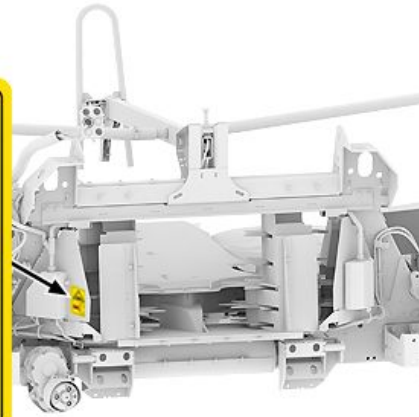
KM573202 — UN — 28APR23

km00321,1682671455427 -19-28APR23-1/1

Stay Clear of Rotating Driveline

Stay clear of rotating driveline.

Entanglement in rotating driveline can cause serious injury or death. Always keep driveline shields in place.



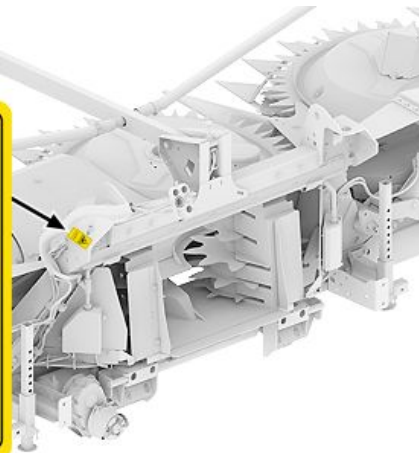
KM573203 —UN—28APR23

km00321,1682671195839 -19-28APR23-1/1

Hydraulic Lines

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

Avoid the hazard by relieving pressure before disconnecting hydraulic or other lines.



KM574652 —UN—28APR23

km00321,1681373435326 -19-28APR23-1/1

Haulage

Haulage With a Forklift - General

CAUTION: If the rotary harvesting unit is hauled with a forklift, observe the following safety instructions:

- The driver must be trained and entitled to drive a forklift.
- Use a forklift that meets the weight requirements of the rotary harvesting unit (see "Specifications" Section).

- Use pallet forks with a suitable length.
- Chain the pallet to the forklift to prevent it from tipping off.
- Rain, ice and snow can reduce friction on the pallet forks. Drive carefully and adapt the speed to the environmental conditions.

KM00321,0000C2D -19-08OCT21-1/1

Loading with a Crane Lifting the Header With a Traverse



A—Chains

B—Chains

C—Traverse

CAUTION: When loading the rotary harvesting unit with a crane, always use the suspension points. This prevents the machine from toppling over.

Make sure to use chains and hoisting devices that meet the weight requirements of the rotary harvesting unit (see "Specifications" section).

IMPORTANT: The lifting eye nuts in the gathering drums must be screwed in completely.

The chains (A) and (B) must be pulled upwards **vertically**. Therefore, use a traverse (C).

CAUTION: Lifting the header without a traverse will pull the chains at an angle and leads to an overload of the lifting eye nuts in the gathering drums.

Continued on next page

km00321,1681378041532 -19-22JUN23-1/2

Lifting the Header With Optional Lifting Eye Nut Kit

CAUTION: When loading the rotary harvesting unit with a crane, always use the suspension points. This prevents the machine from toppling over.

Make sure to use chains and hoisting devices that meet the weight requirements of the rotary harvesting unit (see "Specifications" section).

When lifting the header without a traverse, a special kit is required. This kit is mandatory and consists of two heavy-duty lifting eye nuts (A).

NOTE: The kit is available through spare parts channel. Contact your dealer.

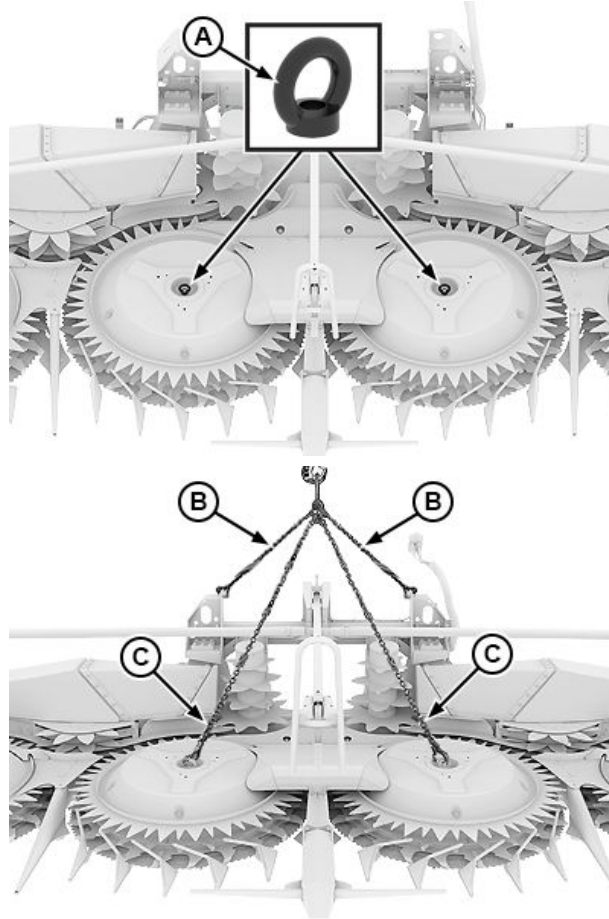
1. Remove the existing lifting eye nuts in the two center gathering drums and install the heavy-duty lifting eye nuts (A).

IMPORTANT: The lifting eye nuts (A) must be screwed in completely. Only tighten the lifting eye nuts (A) by hand.

2. Lift the header by using chains (B) and (C) with the relevant length as shown on illustration.

A—Heavy-Duty Lifting Eye Nuts
B—Chain, 1540 mm (5 ft 0.62 in.)

C—Chain, 1600 mm (5 ft 2.99 in.)

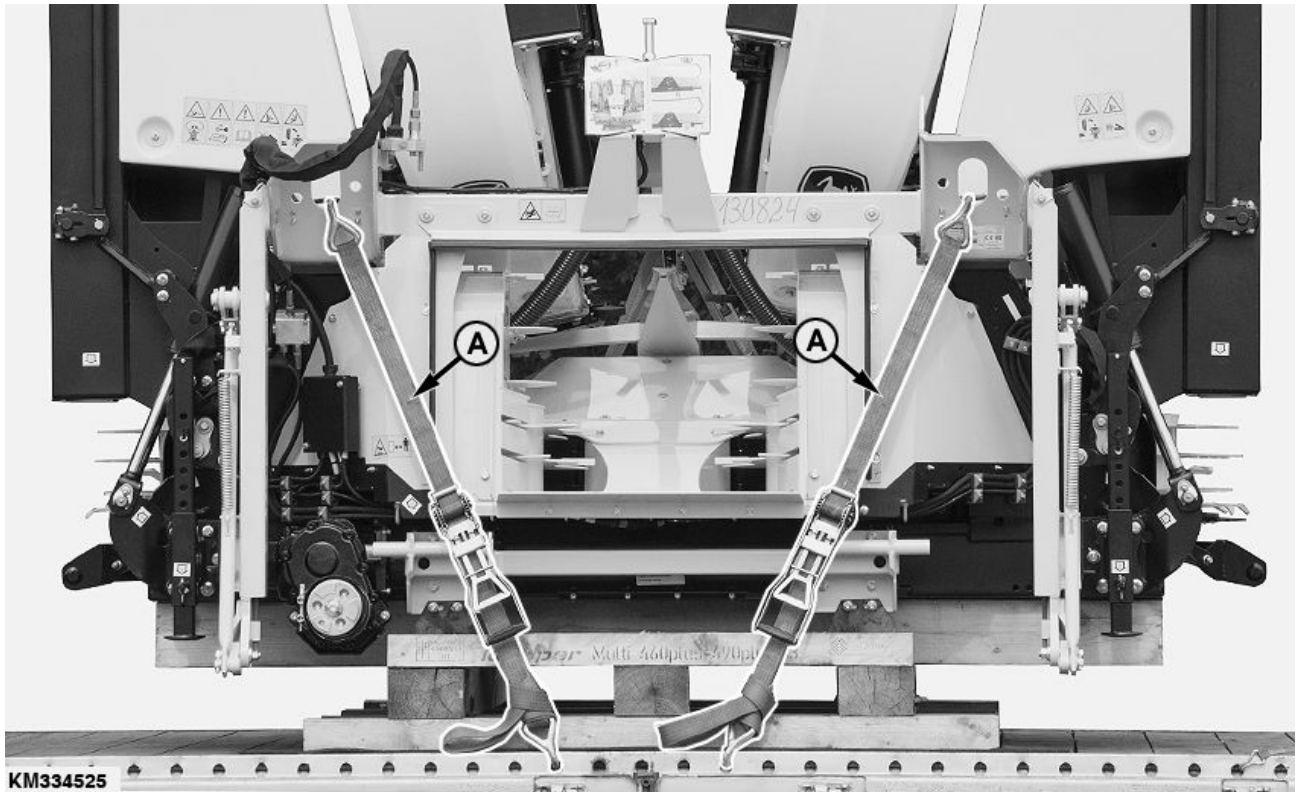


KM574655 —UN—28APR23

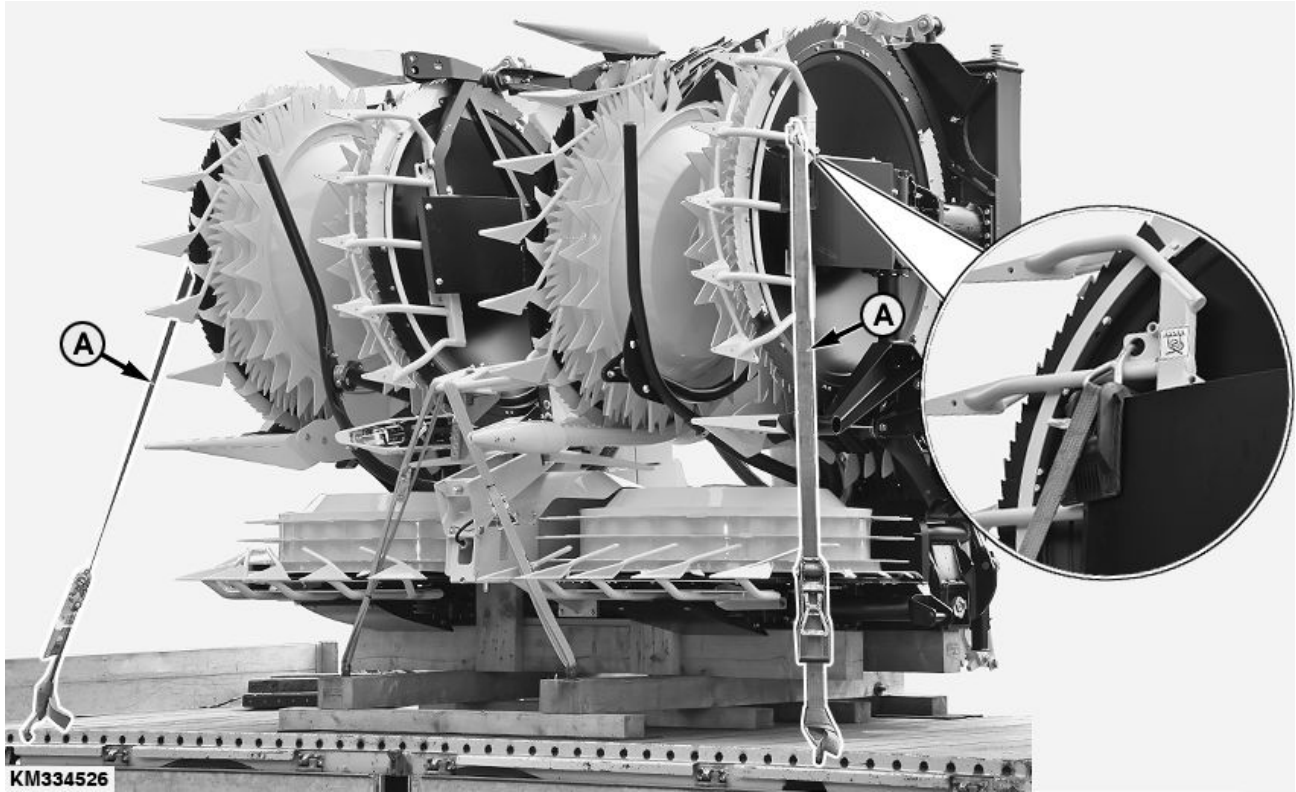
KM574656 —UN—28APR23

km00321,1681378041532 -19-22JUN23-2/2

Secure the Rotary Harvesting Unit for Transport (Lashing Points)



Lashing Points



Lashing Points

A—Tensioner Belts

Continued on next page

KM00321,00006E3 -19-24OCT17-1/2

Haulage

Secure rotary harvesting unit with tensioner belts (A) on both sides as shown. Secure accessories with an additional tensioner belt (optional).

KM00321,00006E3 -19-24OCT17-2/2

Preparing the Rotary Harvesting Unit

Unpacking

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

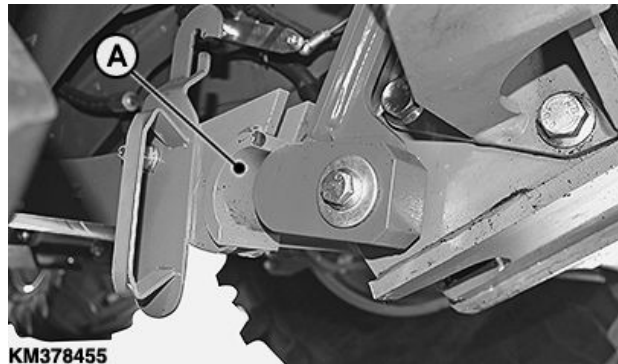
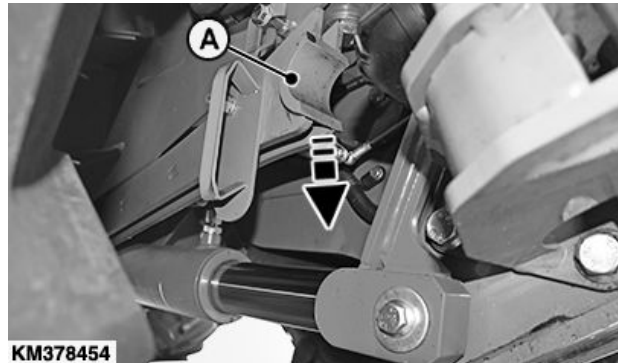
KM00321,0000038 -19-01SEP08-1/1

Working Under a Raised Rotary Harvesting Unit

CAUTION: Before working under a raised rotary harvesting unit, secure cutterhead with locking beam (A) in lock position as shown.

1. Raise cutterhead.
2. On right-hand side of the cutterhead, secure cutterhead with locking beam (A) in lock position as shown.

A—Locking Beam



Locking Beam in Lock Position

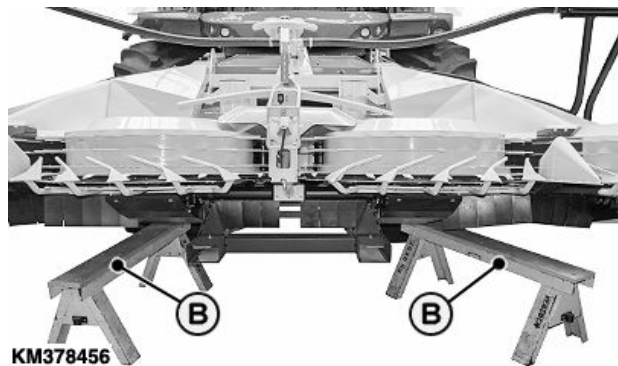
KM378454 —UN—21MAY19

KM378455 —UN—21MAY19

KM00321,000094E -19-22MAY19-1/2

3. In addition, use support blocks (B) to secure the rotary harvesting unit against unintentional lowering.

B—Support Blocks



KM378456 —UN—21MAY19

KM00321,000094E -19-22MAY19-2/2

Remove the Transport Pallet

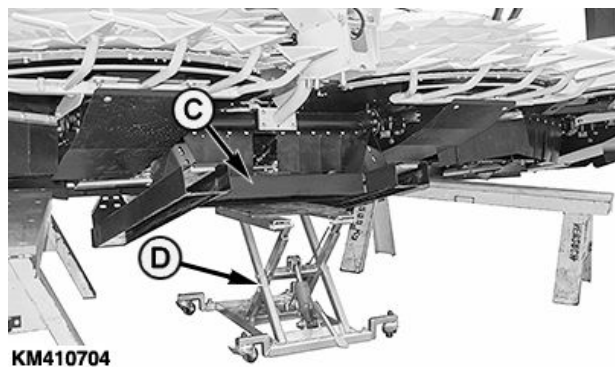
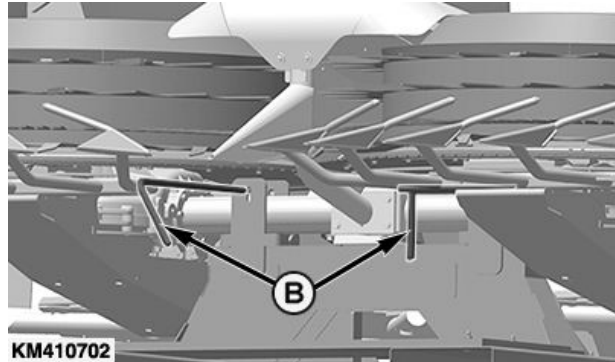
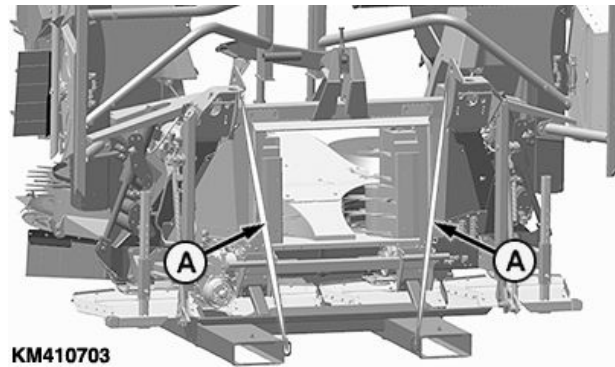
1. Remove the transport straps (A).
2. Raise the rotary harvesting unit.

IMPORTANT: To secure the rotary harvesting unit against lowering, perform the steps as described under Working under a Raised Rotary Harvesting Unit in this section.

3. Remove the pins (B) at the front of the transport pallet.
4. Remove the transport pallet (C) using a lifting device (D).

A—Transport Straps
B—Pins

C—Transport Pallet
D—Lifting Device



KM410703 —UN—07MAY20

KM410702 —UN—07MAY20

KM410704 —UN—07MAY20

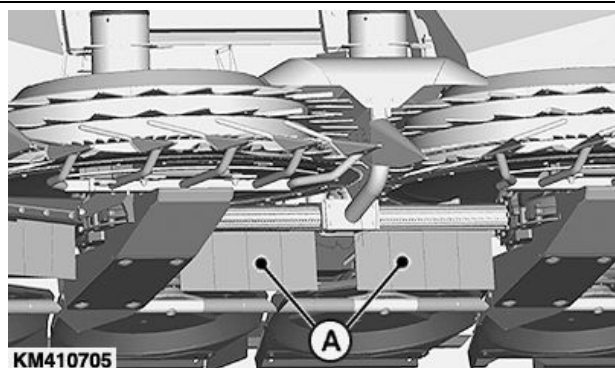
KM00321,0000A70 -19-07MAY20-1/1

Install Dust Protection Rubbers

NOTE: For transport reasons, the two middle dust protection rubbers (A) are supplied separately and must be installed before the first use.

After the transport pallet has been removed, install the two middle dust protection covers (A).

A—Dust Protection Rubbers



KM410705 —UN—08MAY20

KM00321,0000A71 -19-08MAY20-1/1

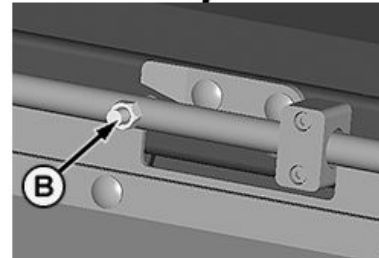
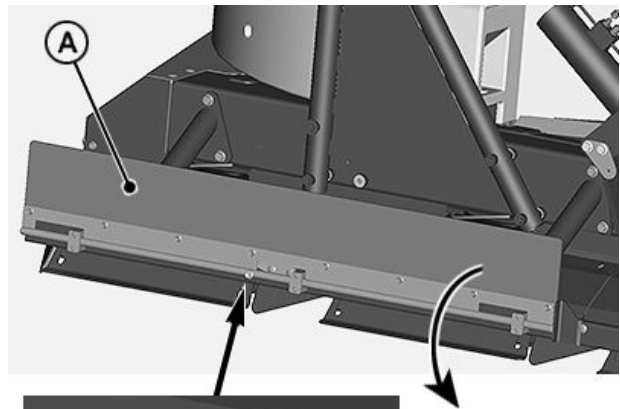
Set Outer Protective Bars into Operating Position

NOTE: The two outer protective bars (A) are folded up for transport purposes.

1. Remove screw (B).
2. Fold outer protective bar (A) down in direction of arrow into the operating position.

A—Protective Bar

B—Screw



KM504745

Transport Position

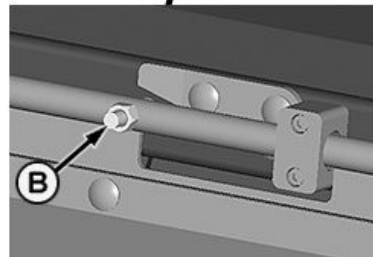
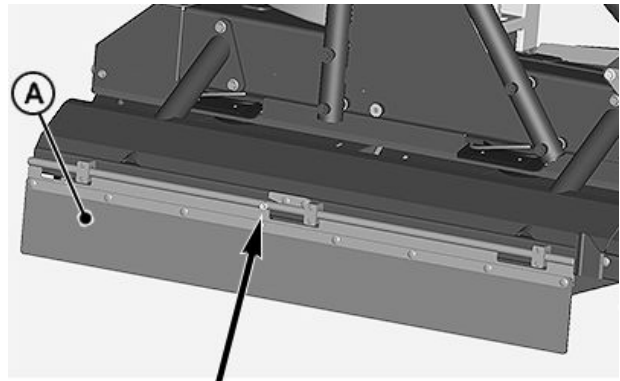
KM504745 —UN—14APR21

KM00321,0000B5B -19-11MAR21-1/2

3. Reinstall screw (B).
4. Repeat the procedure on the opposite side.

A—Protective Bar

B—Screw



KM504746

Operating Position

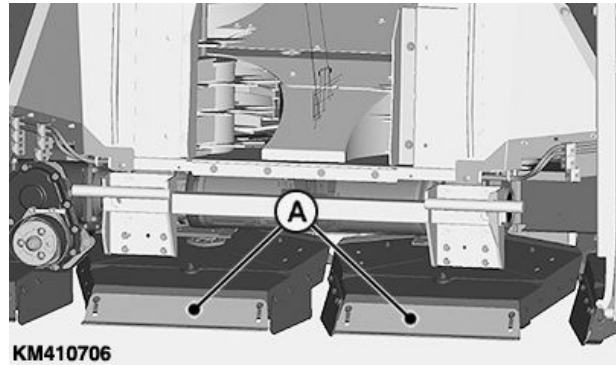
KM504746 —UN—14APR21

KM00321,0000B5B -19-11MAR21-2/2

Adjust Height of Scraper Plates on the Center StalkBuster™ Mulching Units

NOTE: For transport reasons, the scraper plates (A) on the center StalkBuster™ mulching units are set to the highest position.

After the transport pallet has been removed, the scraper plates (A) must be adjusted. See Adjust Height of StalkBuster™ Scraper Plates in Operating Section.



KM410706—UN—08MAY20

KM378479—UN—10OCT19

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KM00321,0000A72 -19-08MAY20-1/1

Adjust the Inner Skids



KM409031 —UN—30MAR20

IMPORTANT: The inner skids (A) must be adjusted before the first use.

The skids (A) can be set in two positions (see arrows).

Adjust the inner skids:

⚠ CAUTION: Secure the rotary harvesting unit from unintentional lowering. See "Working Under a Raised Rotary Harvesting Unit" in this section.

1. Loosen the screws and set the skids (A) to the outer position (see figure).
2. Insert and tighten the screws.



KM409032 —UN—30MAR20

A—Inner Skids

KM00321,0000A43 -19-30MAR20-1/1

Adapting the Scrapers to the Feed Passage

Before attaching the rotary harvesting unit to the forage harvester, make sure that scrapers (A) and angle plate (B) match with the channel width of forage harvester.

The scrapers (A) must be set to the channel width of the respective model of forage harvester. Angle plate (B) and scrapers (A) must be installed according to the width of the intake channel.

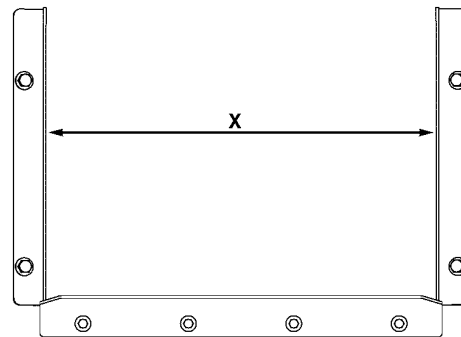
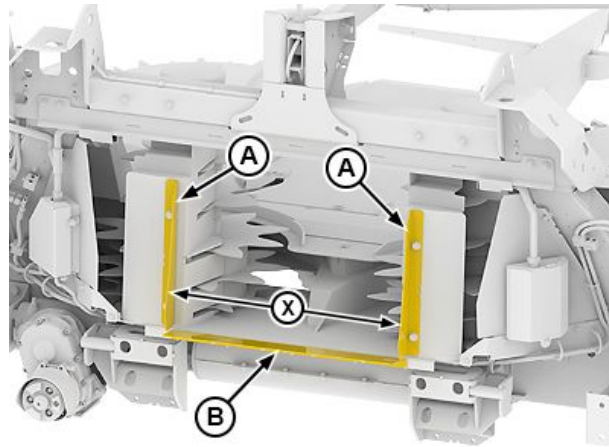
NOTE: Scrapers (A) and angle plate (B) can be ordered through regular spare parts channel.

- The preset channel width (X) for the wide intake channel is 740 mm (29.1 in.).
- The preset channel width (X) for the narrow intake channel is 600 mm (23.6 in.).

IMPORTANT: Make sure that the scrapers (A) and angle plate (B) do not touch the feed rolls of the forage harvester.

A—Scrapers

X—Preset Channel Width



KM237787

KM574657 —UN—28APR23

KM237787 —UN—06MAR15

km00321,1681397478705 -19-28APR23-1/1

Attaching and Detaching

Compatibility Chart

The chart below gives the compatibility between rotary harvesting unit and forage harvester.

Rotary Harvesting Unit/Harvester Compatibility

460 ^{PRO} StalkBuster™	8100, 8200, 8300, 8400, 8500, 8600, 8700, 8800
	9600, 9700, 9800, 9900

IMPORTANT: The forage harvester must have the latest software installed.

Contact your John Deere dealer.

IMPORTANT: Forage Harvesters built before model year 2020 need a retrofit kit for the front connection of the air compressor.

km00321,1687443964112 -19-22JUN23-1/1

Tire Combinations (8000 and 9000 Series Forage Harvesters)

NOTE: The optimum angle of the header is in a range between 10.5° and 11.5°.

To achieve the optimum angle of the header, the following tire combinations are recommended for the forage harvester:

Machine Width	Front Tire Type	Rear Tire Type	Header Angle
3.0 m (9.8 ft)	VF650/85 R38 182D MICHELIN AXIOBIB 2	500/85 R30 176/164A8 MITAS IMP SFT	10.6°
		540/65 R30 156A8 MITAS IMP AC65	10.8°
3.2 m (10.5 ft)	VF 710/70 R42 182D MICHELIN AXIOBIB 2	620/70 R30 178/166A8 MITAS IMP SFT	10.8°
	710/70 R42 173D MITAS SFT	620/70 R30 178/166A8 MITAS IMP SFT	11.5°
3.3 m (10.8 ft)	800/70 R38 178D MITAS SFT	650/60 R34 159D TRELLEBORG TM900HP	10.7°
		VF 650/60 R34 168D MICHELIN AXIOBIB 2	10.8°
		620/70 R30 178/166A8 MITAS IMP SFT	10.9°
	VF 710/75 R42 184D MICHELIN AXIOBIB 2	650/60 R34 159D TRELLEBORG TM900HP	10.8°
		VF 650/60 R34 168D MICHELIN AXIOBIB 2	10.9°
		VF 620/75 R30 172D MICHELIN AXIOBIB 2	10.9°
		620/70 R30 178/166A8 MITAS IMP SFT	11°
	IF 710/75 R42 176D TRELLEBORG TM1000 HP	VF 650/60 R34 168D MICHELIN AXIOBIB 2	11.4°
		VF 620/75 R30 172D MICHELIN AXIOBIB 2	11.5°
3.5 m (11.5 ft)	900/60 R38 178D MITAS SFT	710/60R30 180A8 MITAS SFT	10.9°
		VF 650/60 R34 168D MICHELIN AXIOBIB 2	10.9°
		750/65 R26 171A8 MICHELIN MEGAXBIB	10.9°
		VF 620/75 R30 172D MICHELIN AXIOBIB 2	11°
		620/70 R30 178/166A8 MITAS IMP SFT	11.1°
	VF 900/60 R42 189D MICHELIN AXIOBIB 2	VF 650/60 R34 168D MICHELIN AXIOBIB 2	11.5°
		VF 620/75 R30 172D MICHELIN AXIOBIB 2	11.5°
		750/65 R26 169A8 MITAS SFT	11.5°
		750/65 R26 171A8 MICHELIN MEGAXBIB	11.5°

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KM00321,0000B56 -19-11MAR21-1/2

Attaching and Detaching

Machine Width	Front Tire Type	Rear Tire Type	Header Angle
Over 3.5 m (11.5 ft)	800/70 R38 178D MITAS SFT	650/60R34 159D TRELLEBORG TM900HP	10.7°
		VF 650/60 R34 168D MICHELIN AXIOBIB 2	10.8°
		750/65 R26 169A8 MITAS SFT	10.8°
		VF 620/75 R30 172D MICHELIN AXIOBIB 2	10.8°
		620/70 R30 178/166A8 MITAS IMP SFT	10.9°
	710/70 R42 173D MITAS SFT	650/60R34 159D TRELLEBORG TM900HP	11.3°
		VF 650/60 R34 168D MICHELIN AXIOBIB 2	11.3°
		VF 620/75 R30 172D MICHELIN AXIOBIB 2	11.4°
		750/65 R26 169A8 MITAS SFT	11.4°
		620/70 R30 178/166A8 MITAS IMP SFT	11.5°
	VF 900/60 R42 189D MICHELIN AXIOBIB 2	VF 650/60 R34 168D MICHELIN AXIOBIB 2	11.5°
		VF 620/75 R30 172D MICHELIN AXIOBIB 2	11.5°
		750/65 R26 169A8 MITAS SFT	11.5°
	520/85 R46 Dual Tires 164A8 MICHELIN AGRIBIB 2	VF 650/60 R34 168D MICHELIN AXIOBIB 2	11.2°
		650/60R34 159D TRELLEBORG TM900HP	11.2°
		VF 620/75 R30 172D MICHELIN AXIOBIB 2	11.3°
		750/65 R26 169A8 MITAS SFT	11.3°
		620/70 R30 178/166A8 MITAS IMP SFT	11.4°

KM00321,0000B56 -19-11MAR21-2/2

Attach the Rotary Harvesting Unit

IMPORTANT: If this is a first rotary harvesting unit attaching process, make sure to carry out the following calibration procedures:

- Header lift speed
- Header

See Operator's Manual of forage harvester for calibration procedure.

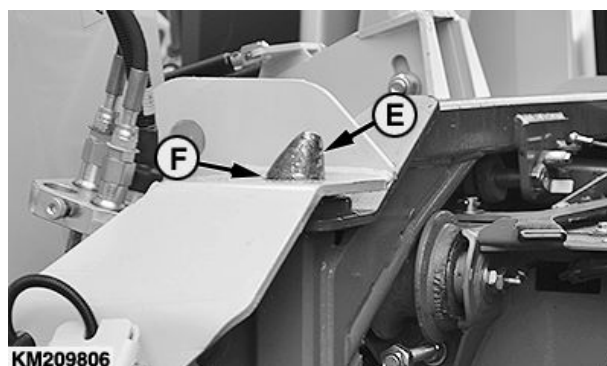
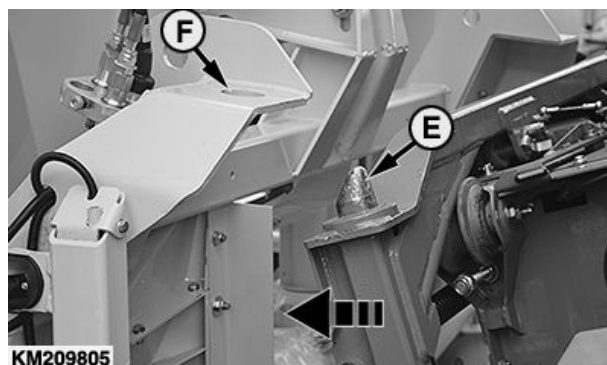
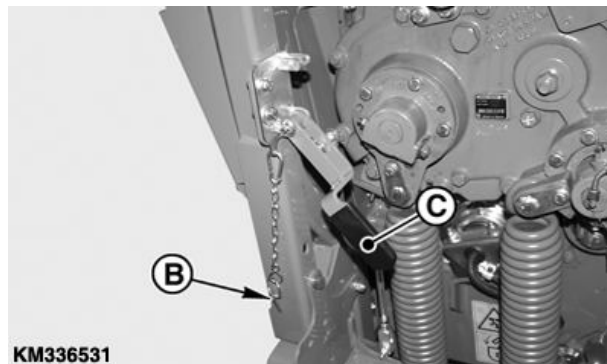
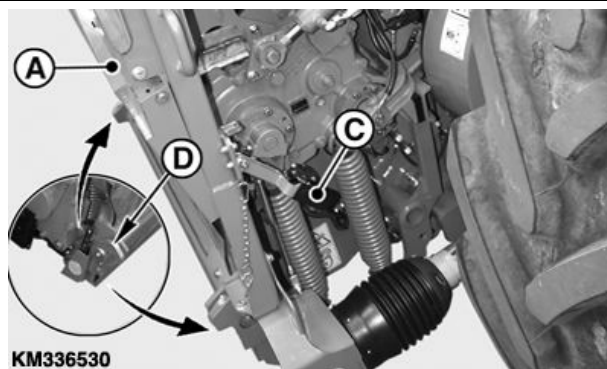
NOTE: The rotary harvesting unit must be attached on level ground.

Attach the rotary harvesting unit as follows:

1. Set the lateral tilt frame (A) to its horizontal position.
2. Remove quick-lock pin (B), then lower the handle (C) so that latching hooks (D) are fully retracted (see arrows).
3. Lower cutterhead assembly until engaging lugs (E) are slightly below the rotary harvesting unit crossbar openings (F).
4. Slowly drive the machine forward until the engagement position is reached.

A—Lateral Tilt Frame
B—Quick-Lock Pin
C—Handle

D—Latching Hook
E—Engaging Lug
F—Opening



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km00321,1687508646272 -19-23JUN23-1/5

KM336530 —UN—10NOV17

KM336531 —UN—10NOV17

KM209805 —UN—21FEB14

KM209806 —UN—21FEB14

5. Raise the cutterhead assembly and lift the rotary harvesting unit.

IMPORTANT: On both sides of the rotary harvesting unit, check that the lower hinges (A) are correctly aligned and in contact with the lateral tilt frame (B).

6. Raise handle (C) and secure with quick-lock pin (D), as shown.

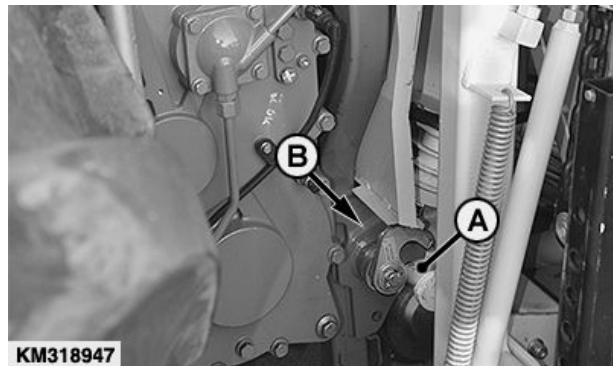
IMPORTANT: Check that both lower hooks (E) correctly lock the rotary harvesting unit hinges (A). Never attempt to operate rotary harvesting unit with improper hook latch.

A—Hinge
B—Lateral Tilt Frame
C—Handle

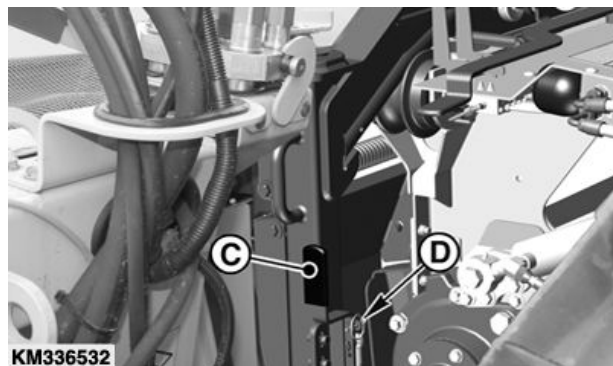
D—Quick-Lock Pin
E—Hook



KM318948 —UN—12JUL17



KM318947 —UN—12JUL17



KM336532 —UN—10NOV17



KM209808 —UN—24FEB14

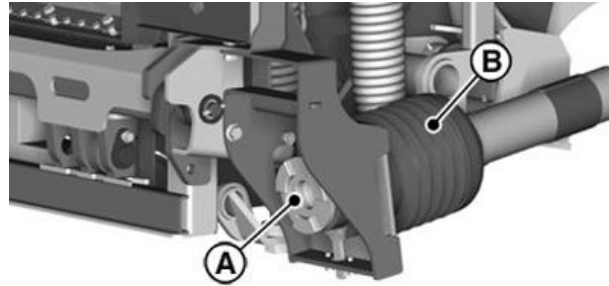
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km00321,1687508646272 -19-23JUN23-2/5

7. Machine with Automatic Driveline Coupler:

Coupler (A) is automatically engaged. Secure driveline (B) shield to cutterhead frame with safety chain (C).

IMPORTANT: Make sure that coupler (A) is correctly engaged. To ensure proper engagement of coupler (A), it is recommended to quickly engage cutterhead in forward and reverse directions.



8. Machine without Automatic Driveline Coupler:

Remove driveline (B) from its storage support (D), then engage yoke (E) onto rotary harvesting unit driveshaft (F).

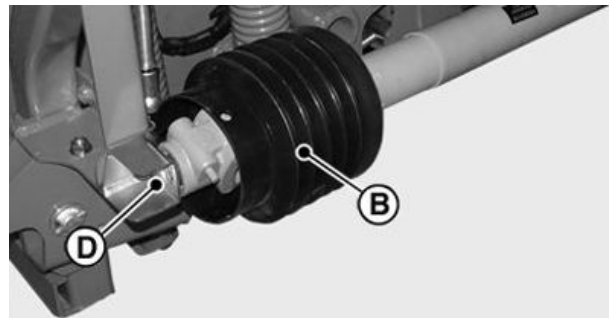
NOTE: Push in lock pin (G) to engage yoke (E).

9. At left and right, raise jackstand (H) to the same height as outer protective bar (J).

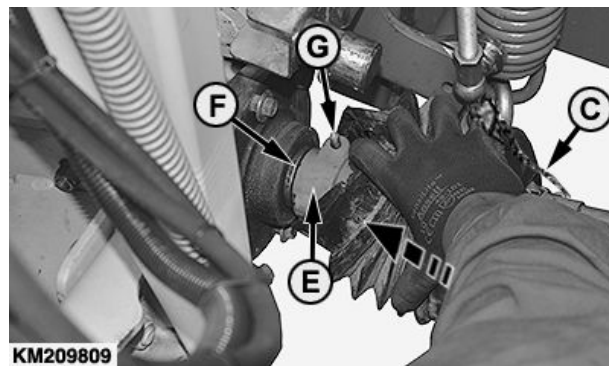
10. Secure jackstand (H) with spring-loaded pin (I).

- | | |
|----------------|---------------------|
| A—Coupler | F—Driveshaft |
| B—Driveline | G—Lock Pin |
| C—Safety Chain | H—Jackstand |
| D—Support | I—Spring-Loaded Pin |
| E—Yoke | J—Protective Bar |

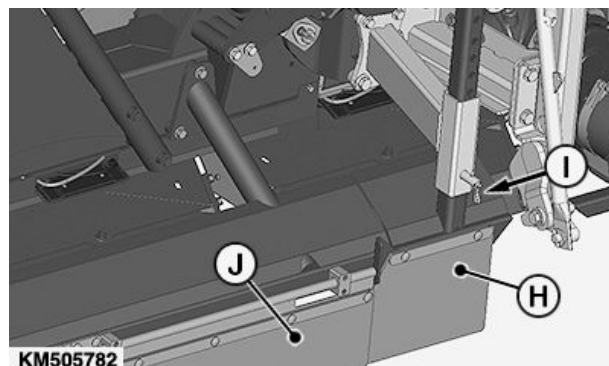
KM236711



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KM505782

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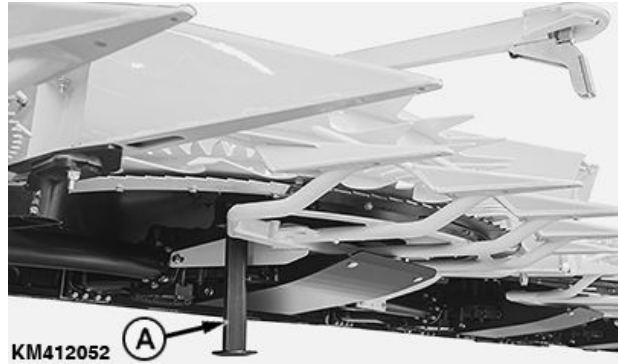
KM236710 —UN—25FEB15

KM209809 —UN—24FEB14

KM505782 —UN—14APR21

11. At left and right, remove the jackstands (A) from the front of the machine and store them in the brackets provided on the back of the machine.

A—Jackstand



KM412052

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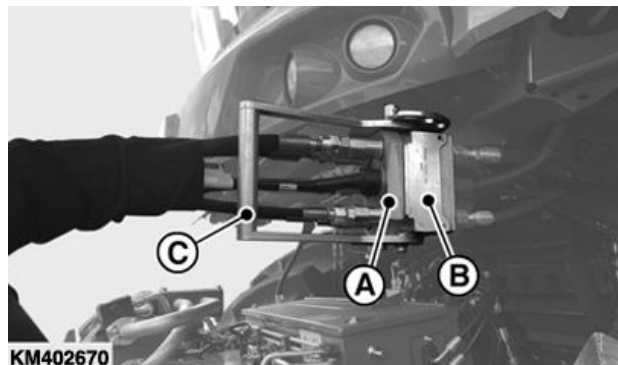
IMPORTANT: Make sure that the multicoupler (A) is free from dirt before connecting it. Clean the multicoupler (A) if necessary. Make sure that the contacts of the 31-pin connector are in good condition.

12. Connect multicoupler (A) to receptacle (B), then close handle (C).
13. Connect pneumatic hose (D) to the outlet (E) of the forage harvester.

NOTE: Pneumatic pressure actuates the pivoting system of the StalkBuster™ mulching units.

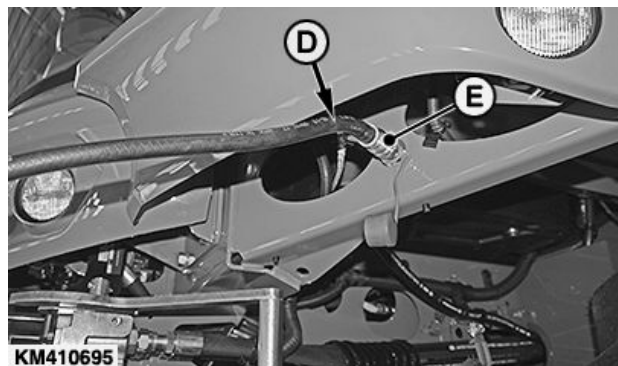
A—Multicoupler
B—Receptacle
C—Handle

D—Pneumatic Hose
E—Outlet



KM402670

KM402670 —UN—16JAN20



KM410695

KM410695 —UN—05MAY20

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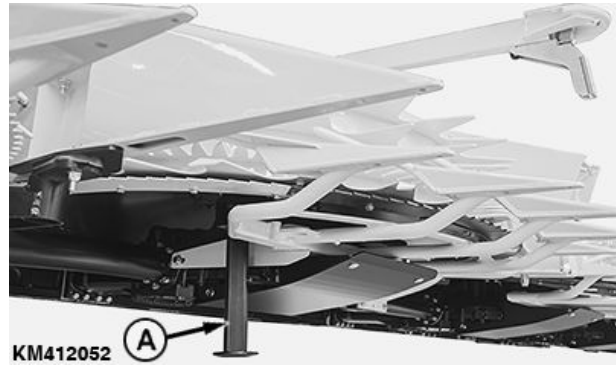
Detach the Rotary Harvesting Unit

IMPORTANT: Before detaching the rotary harvesting unit, make sure that rotary harvesting unit hydraulic functions are all released.

Proceed as follows:

1. At left and right, install jackstands (A) underneath the front of the machine.

A—Jackstand



KM412052 —UN—24JUN20

KM00321,0000CC6 -19-04MAR22-1/6

2. Lower the rotary harvesting unit (A) to the ground.

IMPORTANT: Leave the rotary harvesting unit standing at a height that allows the unit to be re-attached to the machine at a later time. Never select a height that is too low.

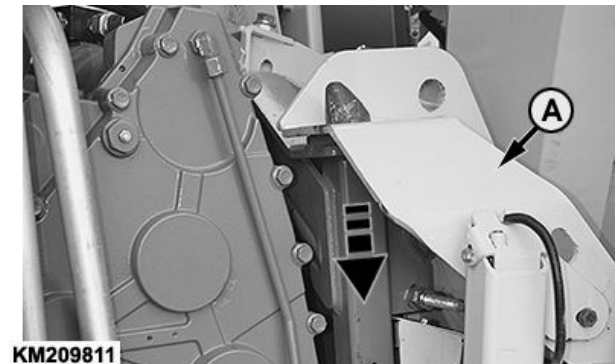
3. Shut off the engine, remove the key from key switch, and apply park brake.
4. Unlatch handle (B), then disconnect the multicoupler (C) from receptacle (D).

IMPORTANT: Take measures to protect the 31-pin connector in the multicoupler (C) from corrosion when it is disconnected.

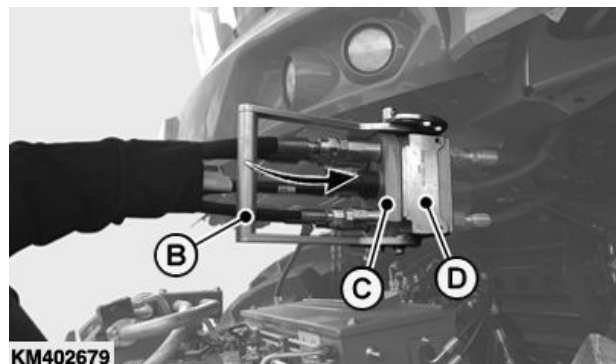
5. Disconnect pneumatic hose (E).

A—Rotary Harvesting Unit
B—Handle
C—Multicoupler

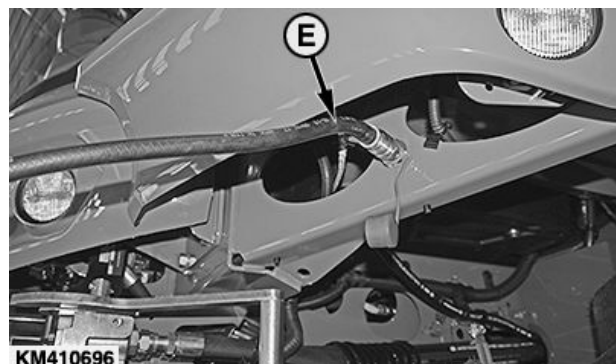
D—Receptacle
E—Pneumatic Hose



KM209811 —UN—27FEB14



KM402679 —UN—20JAN20



KM410696 —UN—05MAY20

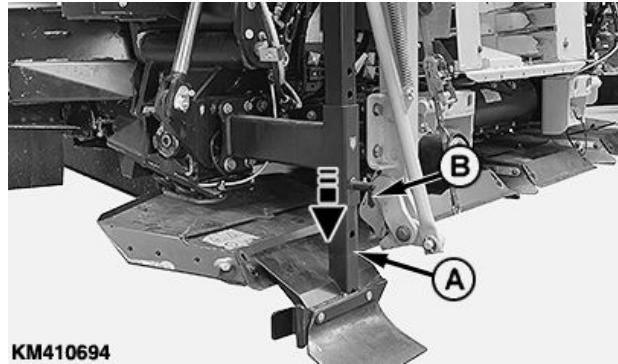
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KM00321,0000CC6 -19-04MAR22-2/6

6. At left and right, lower jackstands (A) and lock them at a suitable height. Pull out spring-loaded pin (B) and let it re-engage when the jackstand (A) is at the correct height.

A—Jackstand

B—Spring-Loaded Pin



KM410694 —UN—05MAY20

KM00321,0000CC6 -19-04MAR22-3/6

7. Machine without Automatic Driveline Coupler Only:

Disconnect safety chain (A). Push in lock pin (B), then disengage yoke (C) from rotary harvesting unit driveshaft (D) to disconnect driveline (E). Store driveline (E) on storage support (F).

A—Safety Chain

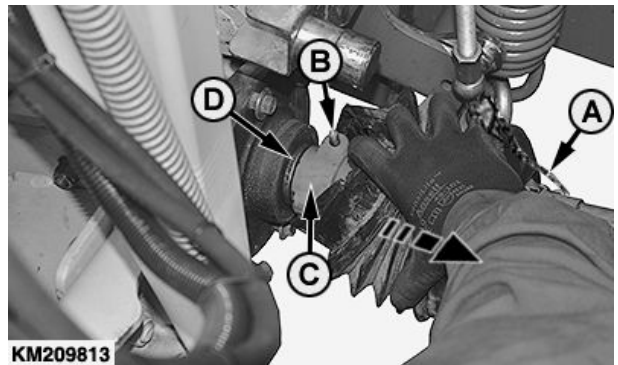
B—Lock Pin

C—Yoke

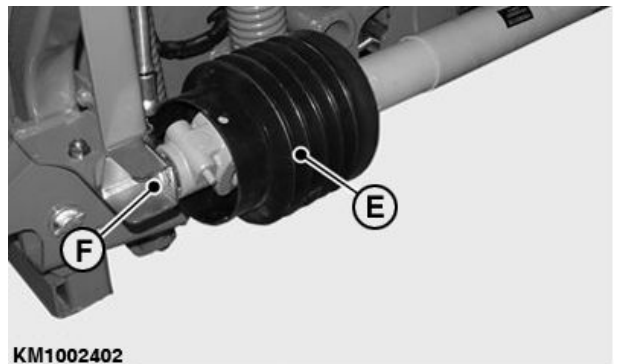
D—Driveshaft

E—Driveline

F—Support



KM209813 —UN—27FEB14



KM1002402 —UN—23JAN14

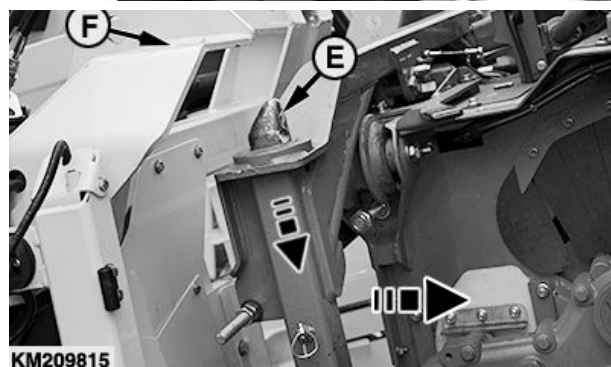
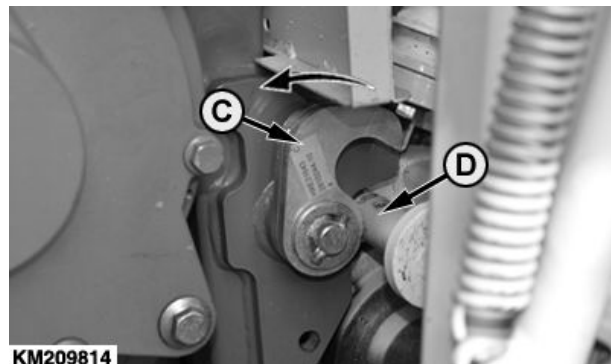
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KM00321,0000CC6 -19-04MAR22-4/6

8. Remove quick-lock pin (A), then lower the handle (B) so that latching hooks (C) are fully retracted (disengaged) from rotary harvesting unit lower hinge (D).
9. Start the machine. Lower cutterhead assembly until engaging lugs (E) are slightly below the rotary harvesting unit crossbar openings (F) and drive out of the frame.

A—Quick-Lock Pin
B—Handle
C—Hook

D—Hinge
E—Engaging Lug
F—Opening



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KM209814 —UN—27FEB14

KM209815 —UN—27FEB14

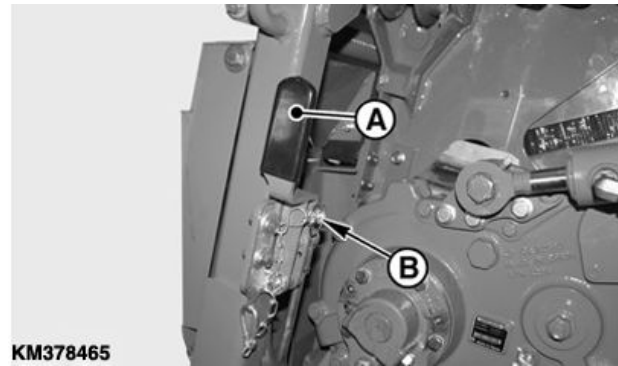
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10. Place the handle (A) to its storage position, then secure with quick-lock pin (B).

A—Handle

B—Quick-Lock Pin



KM378465 —JUN—22MAY19

KM00321,0000CC6 -19-04MAR22-6/6

Transport

Transport Information

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 forage harvester Operator's Manual to meet local

government regulations when driving harvester on public road.

Depending on local road regulations, the use of the comfort support wheel might be mandatory.

If the rotary harvesting unit is to be transported, fold it first.

KM00321,000095A -19-27MAY19-1/1

Folding the Rotary Harvesting Unit

CAUTION: Risk of serious injury! Make sure that prior to folding up or down the rotary harvesting unit no one is standing near the unit.

When driving on public roads, either at night or during the day, always comply with the relevant traffic regulations concerning hazard warning equipment, lighting and safety. See the Safety section.

IMPORTANT: Remove dirt and crop material before folding the rotary harvesting unit.

If required by local regulations, fold up the rotary harvesting unit end sections for transport.

To do this, actuate control switch (A). Hydraulic force causes the outer sections of the rotary harvesting unit to fold.



A—Control Switch

KM00321,00006E8 -19-10NOV17-1/1

Driving on Public Roads (Rotary Harvesting Units with Comfort Support Wheel)



A—Protective Cloths

B—Position Lamps/Turning Lights

C—Support Wheel

IMPORTANT: Rotary harvesting units equipped for installation of the comfort support wheel (C) may be driven on public roads only if the comfort support wheel is actually attached. See also supplementary Operator's Manual for comfort support wheel 400F.

When driving on public roads with the comfort support wheel attached, the entire area around the dividers is covered with protective cloths (A).

Position lamps and turning lights:

As the position lamps and turning lights on the forage harvester are covered by the gathering drums in raised position, the comfort support wheel features two duplicated position lamps/turning lights (B).

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KM378467 —UN—22MAY19

Driving on Public Roads (Rotary Harvesting Units without Support Wheel)

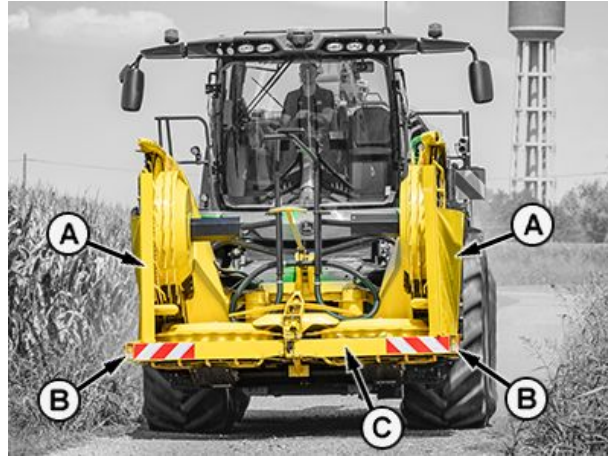
When driving on public roads the entire area around the dividers must be covered with a protective guard (A).

Position Lamps and Turning Lights:

As the position lamps and turning lights on the forage harvester are usually covered by the gathering drums in raised position, the accident protection device features two duplicated position lamps/turning lights (B). For the 12 V power supply use the 7-pole plug located on the right-hand side of the harvester.

Ground Clearance:

When driving on public roads the rotary harvesting unit must be raised so that the front accident prevention device (C) is approx. 300 mm (1 ft) above the ground surface.



A—Protective Guard
B—Position Lamps/Turning Lights

C—Accident Prevention Device

KM574659 —UN—14APR23

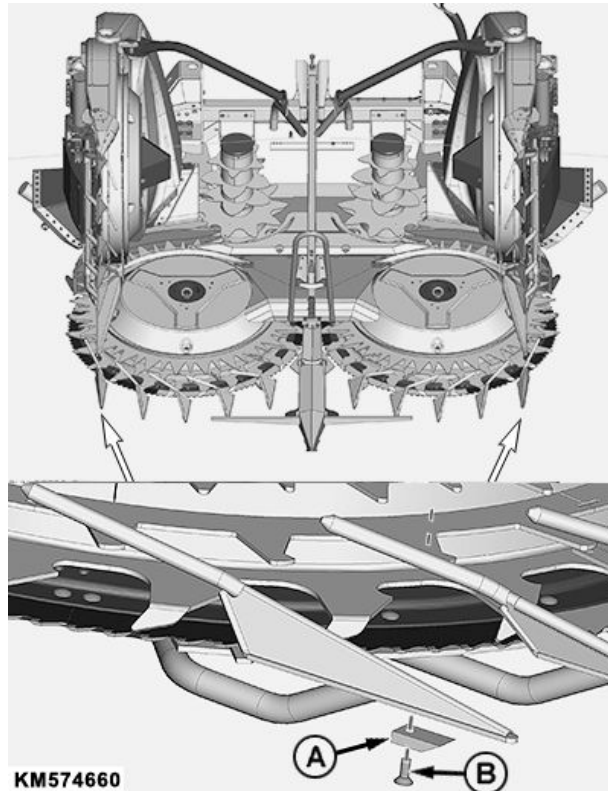
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Installation:

1. After the rotors have come to a complete stop, fold up the side sections.
2. Install blocks (A) on the outer dividers.

A—Block

B—Screw M10 x 25



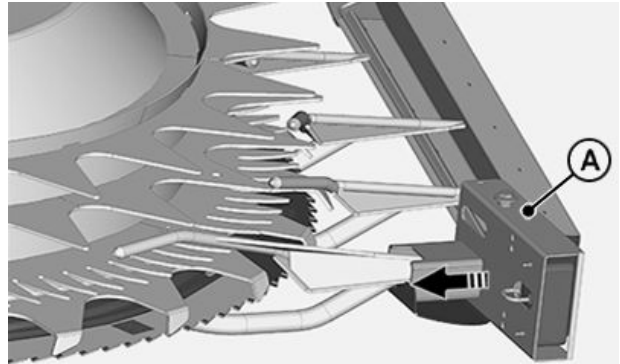
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- Slide accident prevention device (A) onto the outer dividers until it engages.

A—Accident Prevention Device

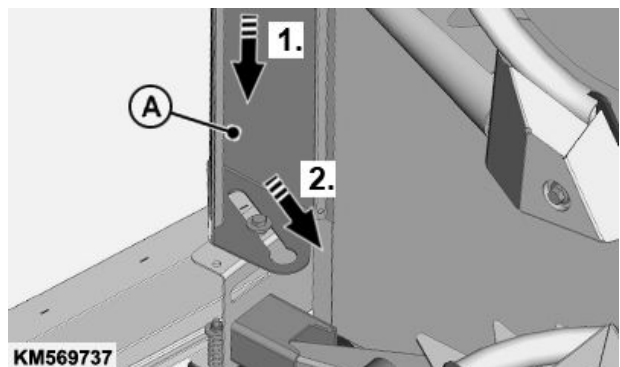


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- Put curtains (A) on the accident prevention device.

A—Curtain



KM569737

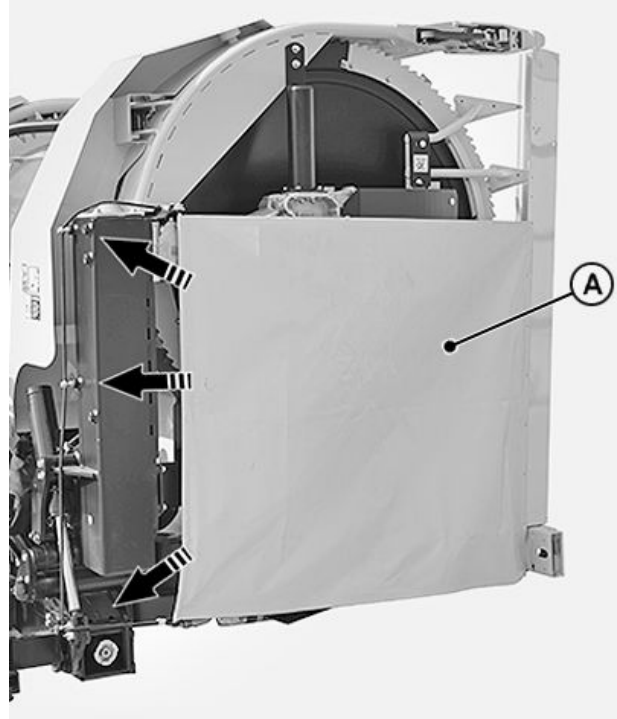
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5. Fix curtains (A) using a rubber rope.

A—Curtain



KM574663 —UN—14APR23

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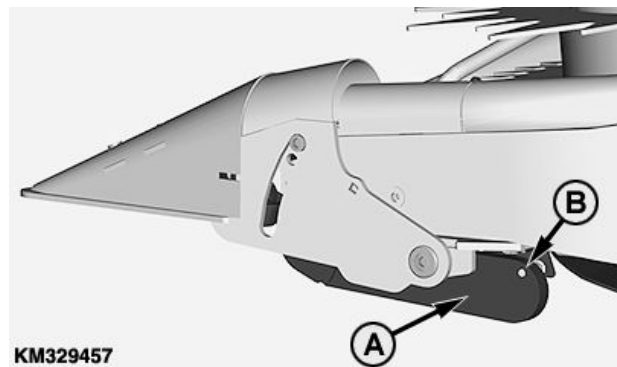
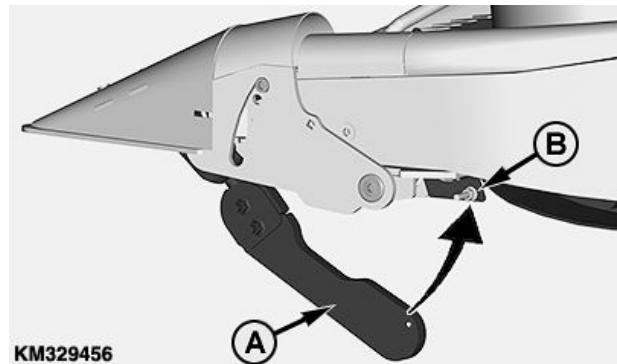
Set AHC-Sensor into Transport Position

AHC-Sensors (A) must be set into transport position in order to meet maximum transport width:

- Swing AHC-Sensor (A) in direction of arrow.
- Put AHC-Sensor (A) onto bolt (B).
- Repeat on opposite side.

A—AHC-Sensor

B—Bolt



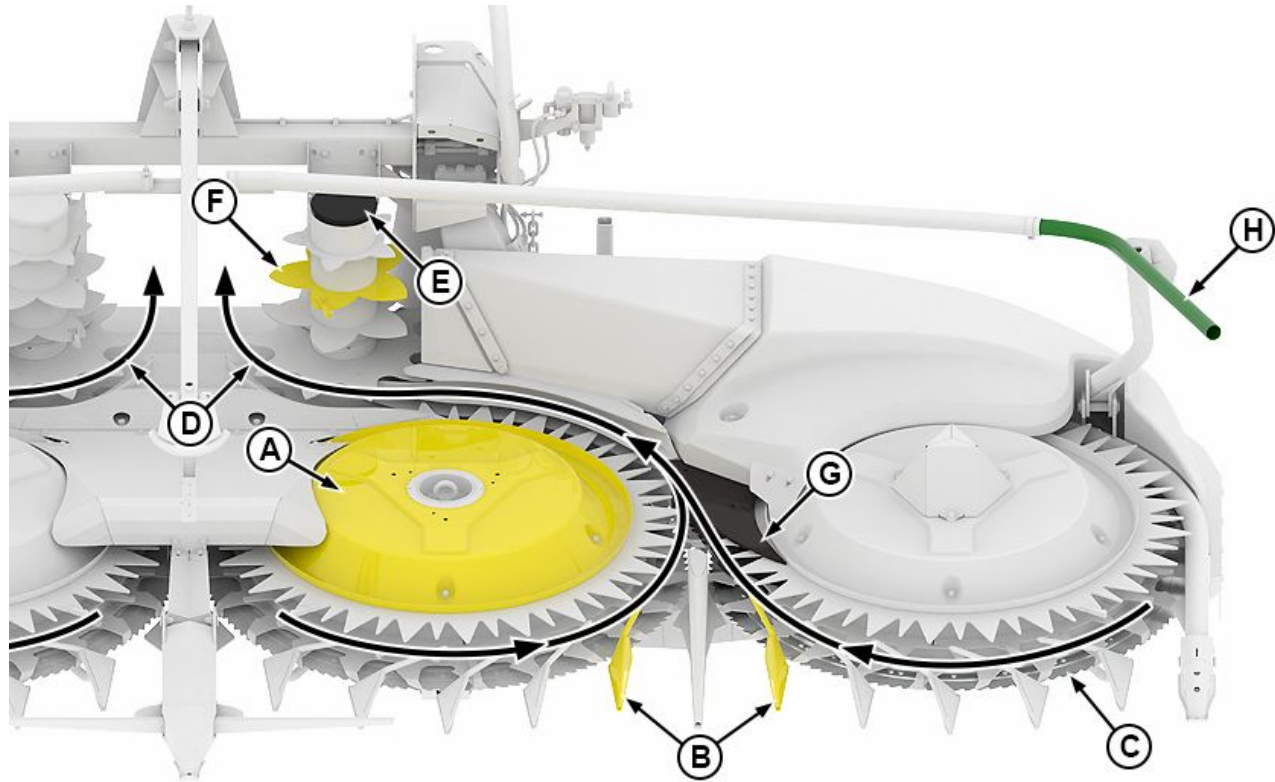
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Operating the Rotary Harvesting Unit

Method of Operating the Rotary Harvesting Unit



A—Gathering Drum
B—Gatherer Points
C—Rotating Blade

D—Lengthwise Direction of Crop
E—Feed Drum

F—Feed Teeth
G—Guides and Scrapers
H—Feed Bar

It makes no difference to the rotary harvesting unit how it approaches the crop - it can operate along the rows, across the rows or at an angle to them (row-independent). Thus, the crop can be approached in the most suitable way. There are no gaps through which the stalks can escape. Although no counterknife is used, the fast rotating blades (C) cut all the stalks within the unit's operating width. The slowly rotating gathering drums (A) pass the stalks along the gatherer points (B). The stalk is seized by the row of feed teeth (F) as if by a gripper. The forward motion of the gathering drums (A) forces the crop against the feed teeth

(F) and so the stalks are conveyed along the guides and scrapers (G) to the feed drums (E). Here, the cut crop lies against the feed teeth (F) of feed drums (E), which bundle the stalks neatly in the lengthwise direction (D) before conveying them to the feed rolls of the forage harvester.

IMPORTANT: Carefully follow all information given in the forage harvester Operator's Manual for ballasting, choice of drive speed for the rotary harvesting unit, float adjustment and installing attaching frame on harvester.

km00321,1688385573038 -19-03JUL23-1/1

KM584917 —UN—29JUN23

Operating the Rotary Harvesting Unit - General Use

Starting the Forage Harvester

Starting up the forage harvester, switching on the cutterhead and rotary harvesting unit, and reversing the feed rolls should always take place with the engine running at idle speed (see forage harvester operator's manual for details). The rotary cutters do not move (due to overrun devices).

Engage forward gear at idle speed only. This avoids unnecessary wear on the clutches.

Operating the Rotary Harvesting Unit

Once the cutterhead is turning at the correct speed, and the rotary cutters are at the appropriate speed, drive into the standing crop.

Ground speed varies depending on the density of the crop, crop type and the performance of the forage harvester.

For headland turns, maintain the rate of rotation. This avoids unnecessary wear on the rotary harvesting unit drive.

When changing forage wagon, keep the rotary harvesting unit engaged. This avoids unnecessary wear on the rotary harvesting unit drive.

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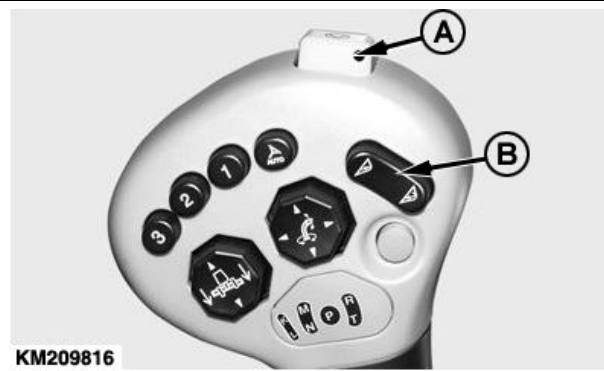
Clearing Blockages

CAUTION: Risk of serious injury! Never attempt to clear blockages in the rotary harvesting unit by hand while the unit is running. First actuate the quick-stop button (A), shut off the engine of the forage harvester, and wait until all the moving parts have come to a standstill.

During harvesting, most blockages can be cleared by briefly reversing the gatherer drums. This is done by pressing header engage-reverse switch (B).

A—Quick-stop Button

B—Header Engage-Reverse Switch



KM209816 —UN—28FEB14

KM00321,00006ED -19-10NOV17-1/1

Adjusting the Skids



CAUTION: Secure the rotary harvesting unit from unintentional lowering. See "Working Under a Raised Rotary Harvesting Unit" in "Preparing the Rotary Harvesting Unit" section.

Outer skids (A) and inner skids (B) can be set in two positions (see arrows).

Adjust Outer Skids (A):

In order to comply with the transport width of 3.30 m, the outer skids (A) must be adjusted inwards.

If the overall width of the forage harvester is wider than 3.30 m, it is recommended to set the outer skids (A) outwards.

Adjust Inner Skids (B):

Adjust inner skids (B) so that they are aligned parallel to the ground.



A—Outer Skid

B—Inner Skid

KM00321,0000A42 -19-30MAR20-1/1

StalkBuster™ Mulching Units - Theory of Operation



KM378468 —UN—22MAY19

Eight integrated rotary mulching units (A) in the main frame of the header destroy the stubble from the top to the bottom to prevent corn borer infestation. No stubble are flattened by the tires of the forage harvester or tractors.

Features of the StalkBuster™ Mulching Units:

- Follow the ground contours per unit.
- Destroy the stubble from the top all the way down to the ground.
- A ratchet clutch protects each unit individually.
- Every unit lifts automatically up due to pneumatic pressure when driving backwards.
- Pneumatic pressure system for perfect following of the ground contours.
- Pneumatic cylinder integrated into the base frame.
- Specially shaped rotors (B) completely crush all stubble.

IMPORTANT: The best mulching results are achieved at 75 cm (2.46 in) row spacing. If the row spacing is narrower, the results may be different.



KM378469 —UN—22MAY19

A—StalkBuster™ Mulching Units

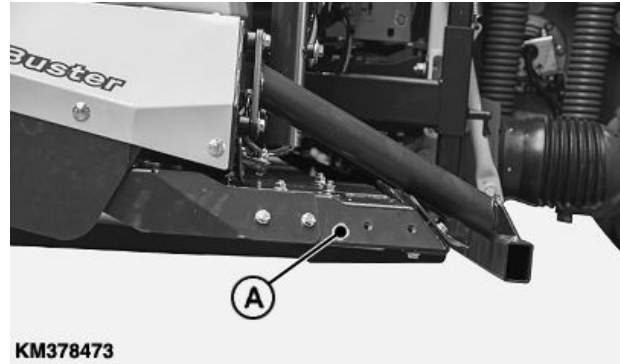
B—Rotor

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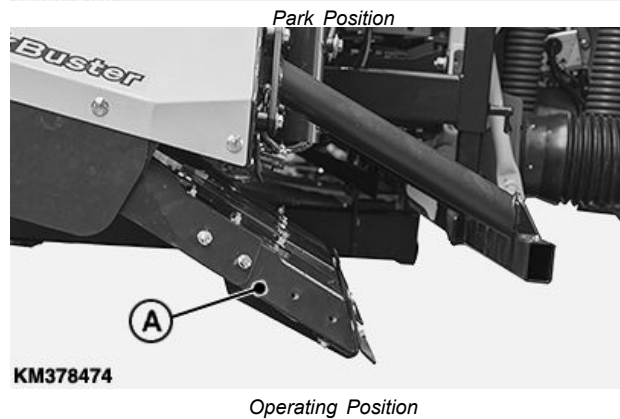
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The StalkBuster™ mulching units (A) are raised into park position or lowered into operating position by pneumatic pressure.

A—StalkBuster™ Mulching Unit



KM378473 —JUN—27MAY19

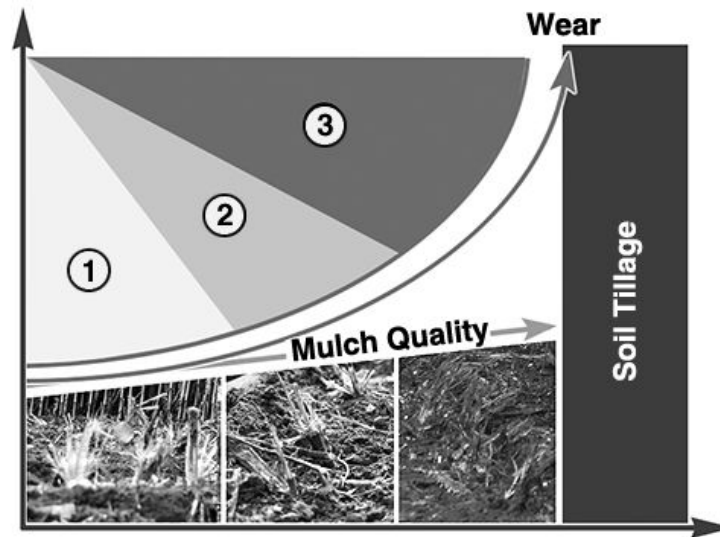


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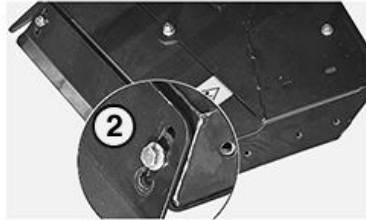
StalkBuster is a trademark of Deere & Company

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Adjust Height of StalkBuster™ Scraper Plates



KM410697



KM410697 —19-05MAY20

The height of the scraper plates (A) can be adjusted via slot holes. This setting affects the working height of the rotors.

1. Starting with scraper plates (A) in position (1) is recommended.
2. If the mulching quality needs to be increased, move scraper plates (A) to position (2) (middle position).
3. Adjusting scraper plates (A) in the position (3) brings the rotor as close as possible to the ground, the StalkBuster™ mulching units work very aggressively.

IMPORTANT: Scraper plates (A) in position (3) will increase the wear of the rotor disproportionately. Avoid ground contact of the rotor.



KM378479

A—Scraper Plate

KM378479 —UN—10OCT19

To achieve the best balance between mulch quality and wear, set the rotor as high as possible and as low as necessary.

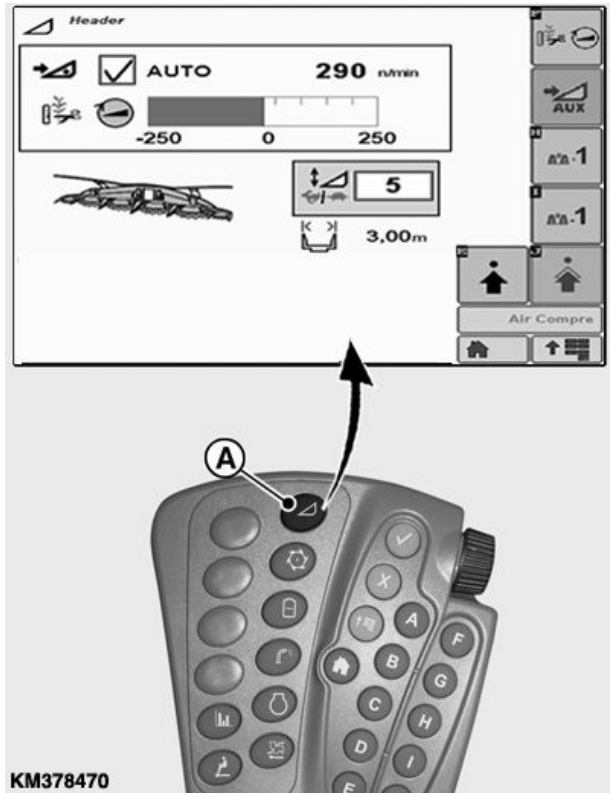
KM00321,0000997 -19-05MAY20-1/1

Activate the StalkBuster™ Function

8000 and 9000 Series Forage Harvesters

Access the Header Page by pressing button (A).

A—Header Settings Button

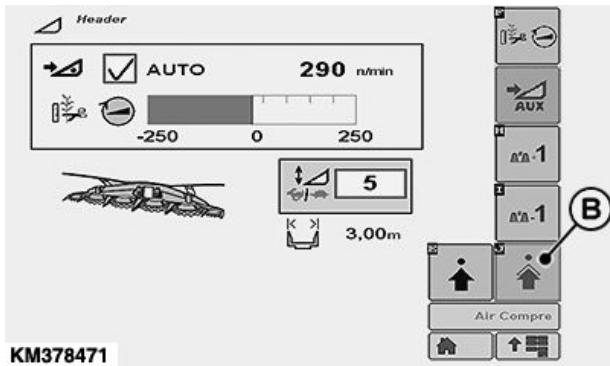


KM00321,0000AEF -19-11MAR21-1/4

KM378470 —UN—05MAY20

To access the header advanced settings, press button (B).

B—Header Advanced Settings
Page Access Button

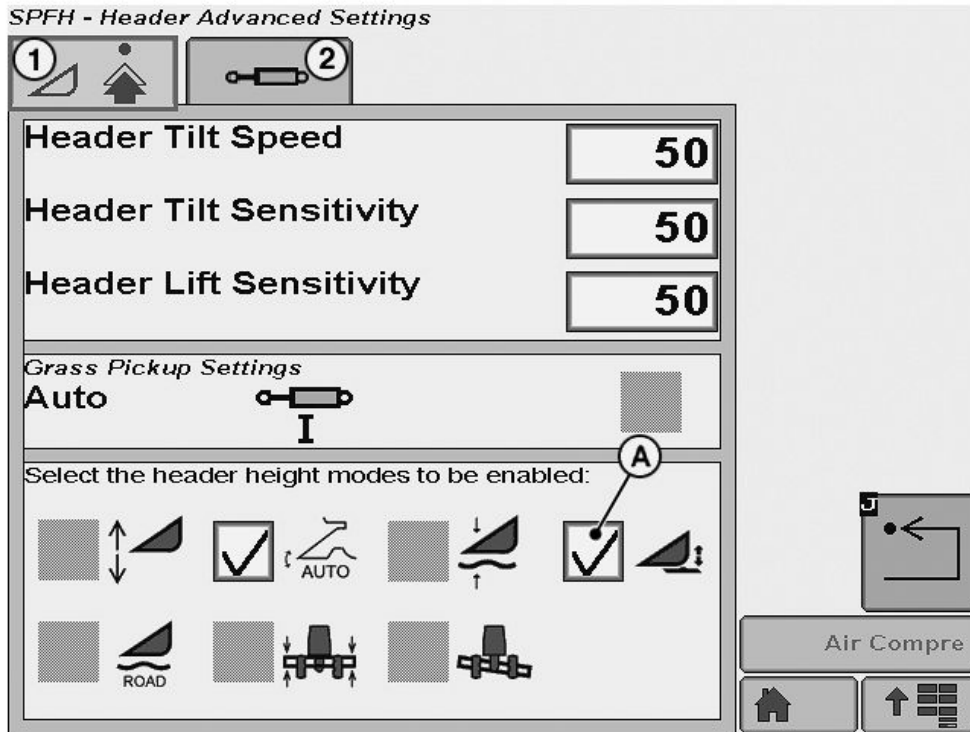


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KM00321,0000AEF -19-11MAR21-2/4

KM378471 —UN—05MAY20

StalkBuster™ Auto Mode



KM378472

Header Advanced Settings - Tab 1

- 1—Header Settings Tab
2—Selective Control Valve (SCV) Tab
- A—StalkBuster™ Auto Mode
Checkbox/Icon

The Header Advanced Settings page displays two setting tabs (1) and (2).

Select header settings tab (1).

Check box (A) to activate StalkBuster™ auto mode.

In auto mode, the StalkBuster™ mulching units are lowered into operating position, when:

- Road safety mode button is in field mode.
- Cutterhead is switched on.
- Header drive is switched on.
- Header is in harvesting position.
- Multi-function lever is in forward position.
- Drive speed is higher than 1.0 km/h (0.6 mph).

NOTE: The threshold value for the drive speed can be set in a range of 0.75—5.0 km/h (0.5—3.1 mph).

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IMPORTANT: All conditions must apply.

In auto mode, the StalkBuster™ mulching units are raised into park position, when:

- Road safety mode button is in road mode.
- Header is not in harvesting position.
- Drive speed is lower than 0.25 km/h (0.16 mph).

NOTE: The threshold value for the drive speed can be set in a range of 0.25—0.75 km/h (0.16—0.47 mph).

- Driving backwards.

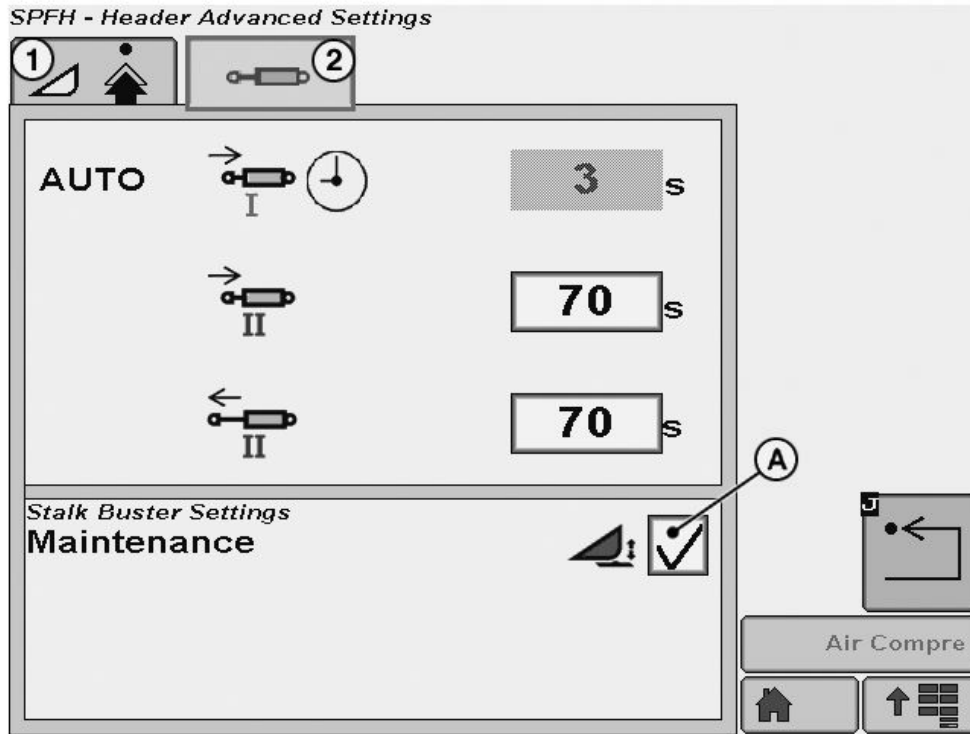
IMPORTANT: One of the conditions must apply.

Continued on next page

KM00321,0000AEF -19-11MAR21-3/4

KM378472 —UN—27MAY19

StalkBuster™ Maintenance Mode



KM378475

Header Advanced Settings - Tab 2

- 1— Header Settings Tab A—StalkBuster™ Maintenance
2— Selective Control Valve (SCV) Tab Mode Checkbox/Icon

The Header Advanced Settings page displays two setting tabs (1) and (2).

Select header settings tab (1).

Check box (A) to activate StalkBuster™ maintenance mode.

NOTE: In maintenance mode, the StalkBuster™ mulching units can be raised and lowered manually, for test runs, for example.

The StalkBuster™ mulching units can be raised and lowered manually, when:

- Road safety mode button is in field mode.
- Multi-function lever is in neutral position.
- StalkBuster™ Maintenance mode is activated.
- Header is NOT in harvesting position.

IMPORTANT: All conditions must apply.

IMPORTANT: Maintenance mode is available even when header drive is switched on.

KM00321,0000AEF -19-11MAR21-4/4

KM378475 —UN—27MAY19

Configure the StalkBuster™ Raise/Lower Function on the Multi-Function Lever

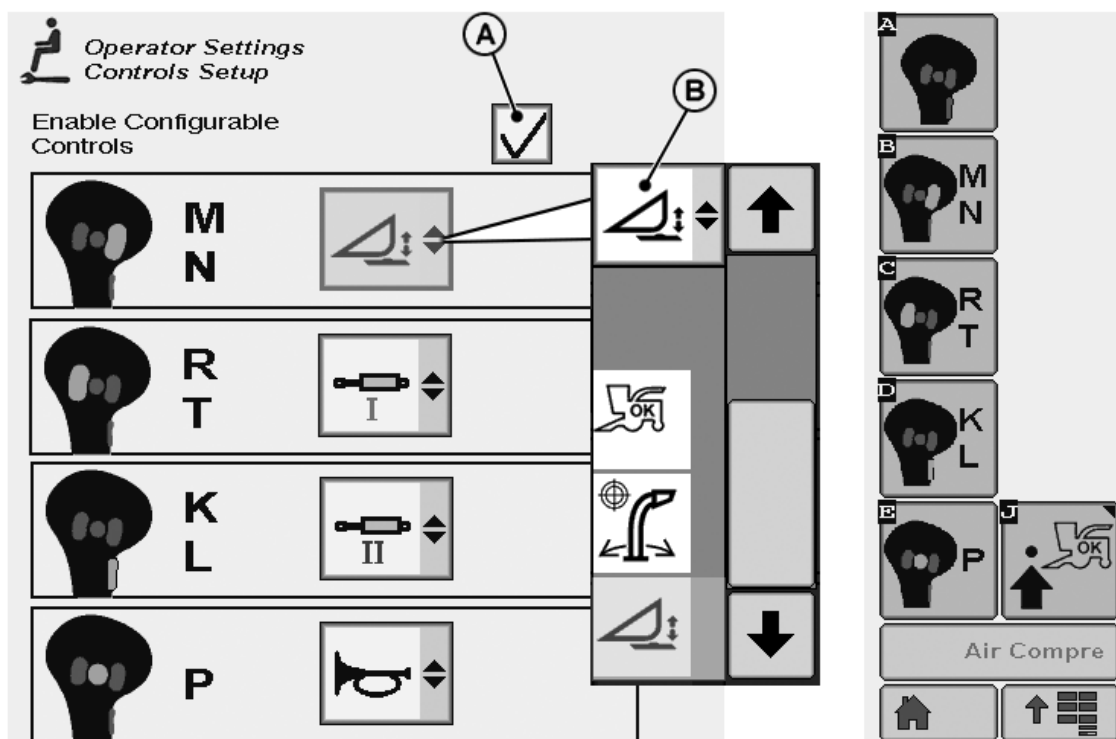
To access the Operator Settings Page, press button (A).

A—Operator Settings Page Button



KM378476 —UN—27MAY19

KM00321,0000959 -19-12JUN19-1/2



KM378477

A—Enable Configurable Controls Checkbox B—StalkBuster™ Raise/Lower Function

Check box (A) to enable Controls Configuration.

Select the StalkBuster™ raise/lower function (B) on the M-N switch.

IMPORTANT: The raise/lower function is temporarily applicable in auto mode.

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The raise/lower function is permanently applicable in maintenance mode.

KM378477 —UN—27MAY19

KM00321,0000959 -19-12JUN19-2/2

Adjust StalkBuster™ Contact Pressure

To adjust the contact pressure of the StalkBuster™ mulching units, turn knob (A) at the control valve (B).

NOTE: The control valve (B) is located on the left-hand side of the header (viewed in direction of travel).

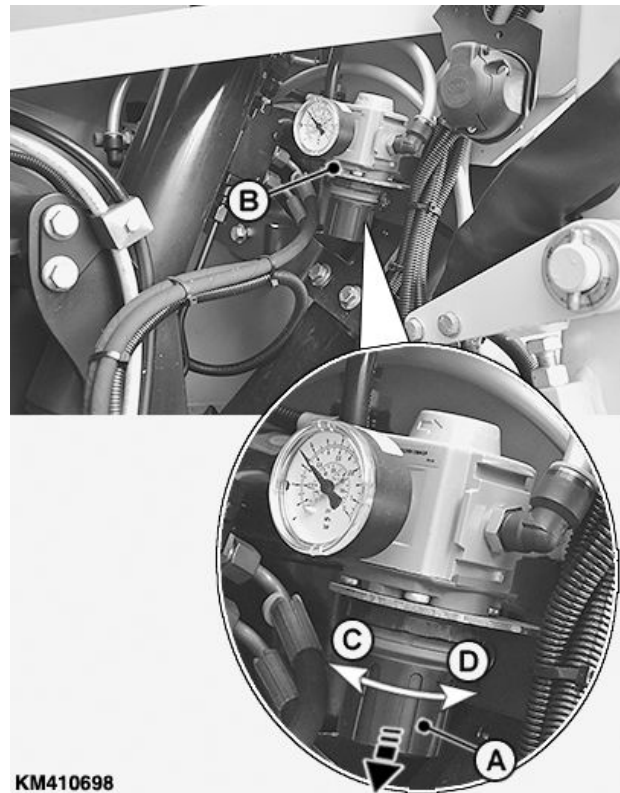
- Increase the contact pressure: Pull knob (A), then turn the knob in direction (D).
- Decrease the contact pressure: Pull knob (A), then turn the knob in direction (C).

NOTE: The recommended contact pressure is 300—400 kPa (3—4 bar) (43—58 psi).

The higher the contact pressure, the higher the wear on the mulching units.

A—Knob
B—Control Valve

C—Decrease Contact Pressure
D—Increase Contact Pressure



KM410698

KM410698 —UN—08MAY20

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KM00321,0000CC4 -19-04MAR22-1/1

Harvesting with StalkBuster™ Function Deactivated

If harvesting is desired without StalkBuster™ function, proceed as follows:

1. Remove rotor (A) of each mulching unit.
2. Insert a screw M16 x 70 (B) to protect the thread from dirt.

NOTE: To protect the gear case flange (D), a cap (C) is available through spare parts channel. Contact your John Deere dealer.

3. Uncheck box (E) to deactivate StalkBuster™ auto mode (see StalkBuster™ Auto Mode in this section).

NOTE: Maintain pneumatic pressure. When auto mode is deactivated, the StalkBuster™ units are automatically raised in park position.

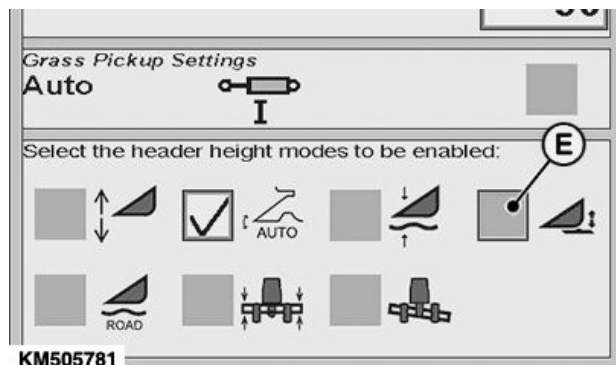
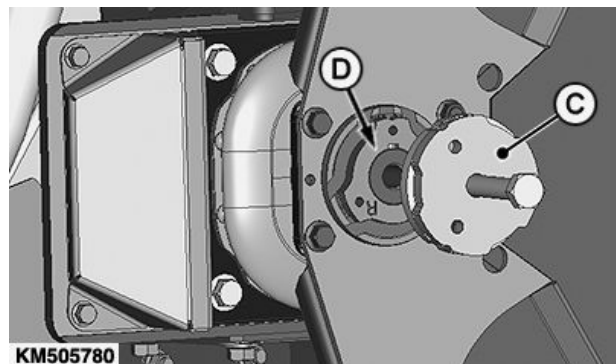
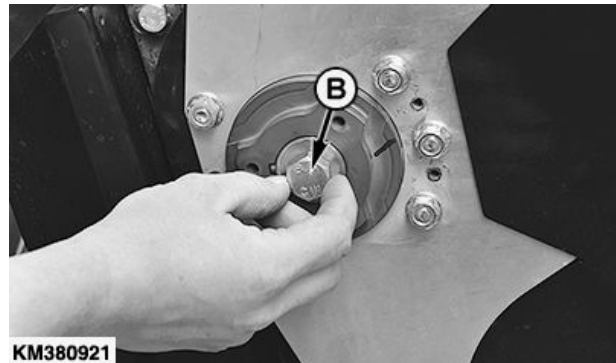
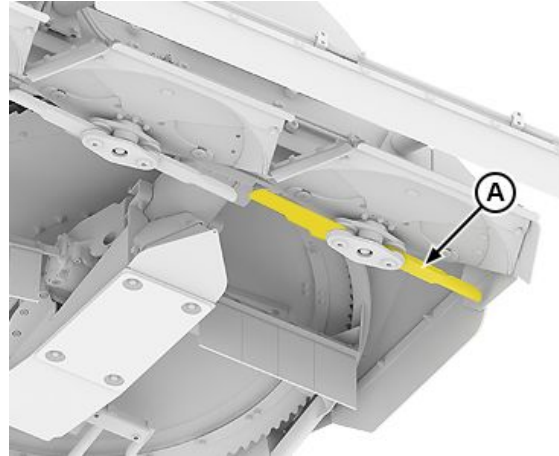
A—Rotor

B—Screw, M16 x 70

C—Cap

D—Gear Case Flange

E—StalkBuster™ Auto Mode
Checkbox/Icon



StalkBuster is a trademark of Deere & Company

km00321,1688387800014 -19-03JUL23-1/1

KM584046 —UN—03JUL23

KM380921 —UN—28MAY19

KM505780 —UN—14APR21

KM505781 —UN—14APR21

Header Drive Speed Control

The forage harvester is equipped with a header detection system that automatically detects the header model.

Access the Header Setup Page to check or setup the header, if necessary.

In most conditions, Auto mode ensures the best results.

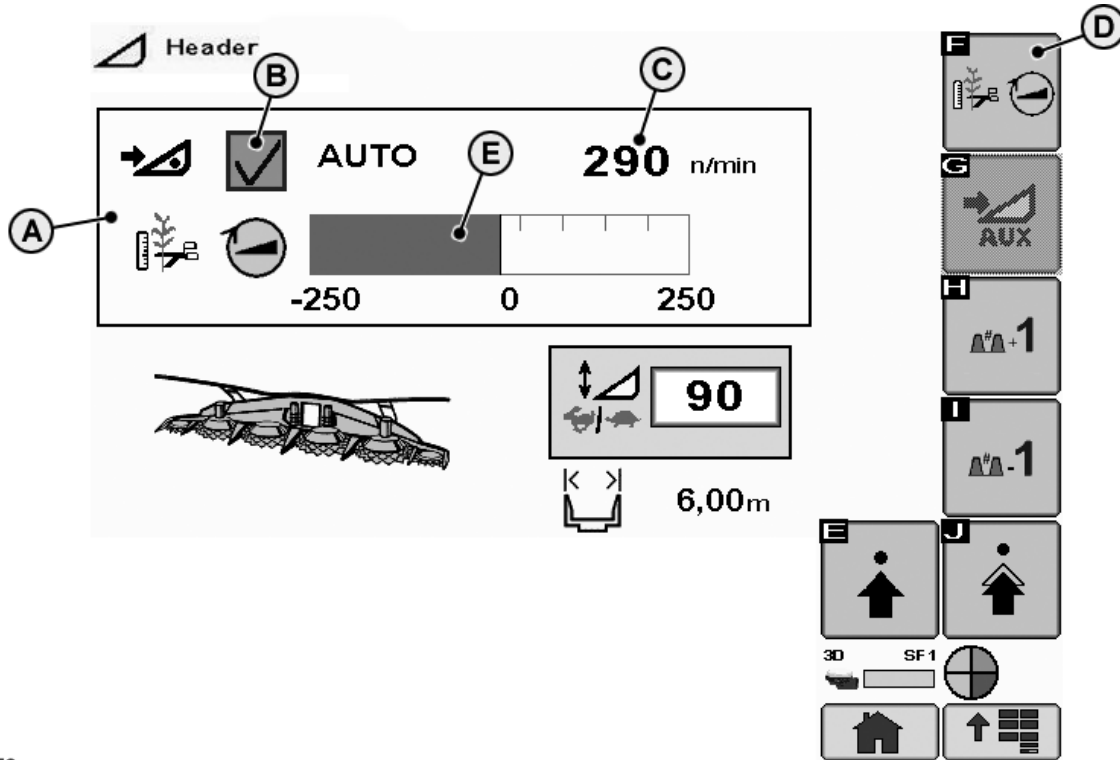
NOTE: In Auto mode, the header drive speed is synchronized with the selected length-of-cut.

In case of poor feeding or low capacity due to uneven crop, fine-tuning of the Auto mode is possible (see **Header Drive Speed Control—Auto Mode** in this section):

1. Once the cutterhead is turning at the correct speed, drive into the crop.

2. Increase or decrease header drive speed in small increments and observe crop feeding from header to feed rolls.
3. Observe changes in crop feeding:
 - If crop is being pulled by feed rolls excessively, the header drive speed can continue to be increased.
 - If crop begins to stall and bunch or gather at the transition from the header to feed rolls, the header drive speed should be decreased.
4. Make adjustments in small increments to avoid over-feeding or under-feeding machine. By tuning the Auto Mode fine adjustment slowly, the optimum feeding speed will be set to the crop conditions.

If the setting range of fine-tuning in Auto mode is not sufficient, the header drive speed can be manually controlled. See **Header Drive Speed Control—Manual Mode** in this section.



KM318958

Header Speed Page—Auto Mode

- A—Header Drive Speed Control C—Actual Header Drive Speed E—Header Drive Speed Ratio
 B—Auto Mode Box D—Header Drive Speed Adjustment Button

Header Drive Speed Control—Auto Mode

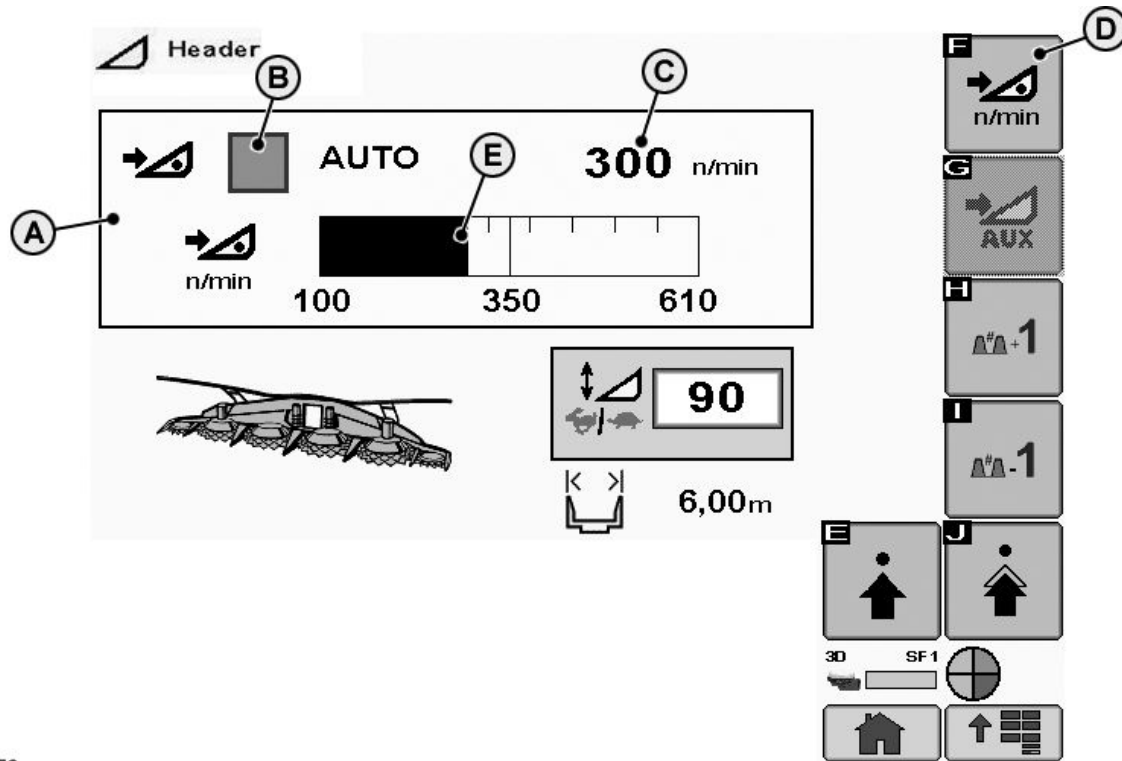
To let the forage harvester automatically control the header drive speed (A), proceed as follows:

1. Check auto mode box (B) to synchronize the header drive speed with the desired length of cut based on feed roll speed.
2. The actual header drive speed (C) is calculated upon desired length of cut (feed roll speed).
3. If necessary, press header drive speed adjustment button (D) to adjust the header drive speed ratio (E). Fine-tuning is possible within the range of -250 rpm and +250 rpm added or subtracted to the actual header drive speed (C).

Continued on next page

km00321,1679412113172 -19-21MAR23-1/2

KM318958 —UN—06MAY20



KM318959

Header Speed Page—Manual Mode

A—Header Drive Speed Control C—Actual Header Drive Speed E—Header Drive Speed
 B—Auto Mode Box D—Header Drive Speed Adjustment Button

Header Drive Speed Control—Manual Mode

To manually control the header drive speed (A), proceed as follows:

1. Uncheck auto mode box (B).
2. Press header drive speed adjustment button (D) to adjust the header drive speed (E). Depending on the

header detected, header drive speed indicator (C) displays different speed ranges.

- 300^{pro} Series RHU: 100—760 rpm
- 400^{pro} Series RHU: 100—610 rpm

km00321,1679412113172 -19-21MAR23-2/2

KM318959 —UN—06MAY20

Harvesting

Before the harvest, do the following:

- Unfold the rotary harvesting unit
- Check that the rotary cutter brakes are functioning properly
- Adjust the feed bars
- Adjust the speed at which the gathering drums operate

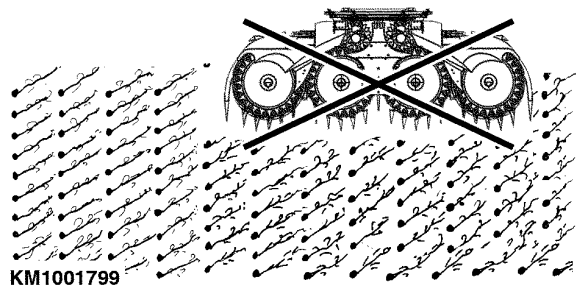
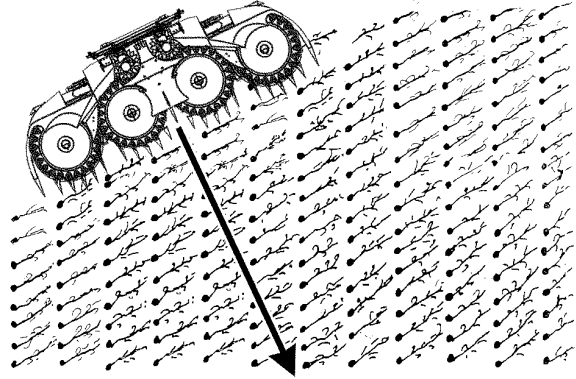
IMPORTANT: Avoid unnecessary wear at the clutches.
Always select forward gear from the idle setting.

1. Run the forage harvester's engine at idle speed.
2. Switch on the rotary harvesting unit.
3. Wait until the gathering drums and rotating blades have reached their operating speed.

IMPORTANT: In most cases, it is best to approach the crop at right angles to the direction it is lying in. This usually results in the most even flow of crop.

IMPORTANT: Observe the flow of crop at all times.

4. Drive into the crop at a relatively high speed in order to achieve a flow of crop quickly.

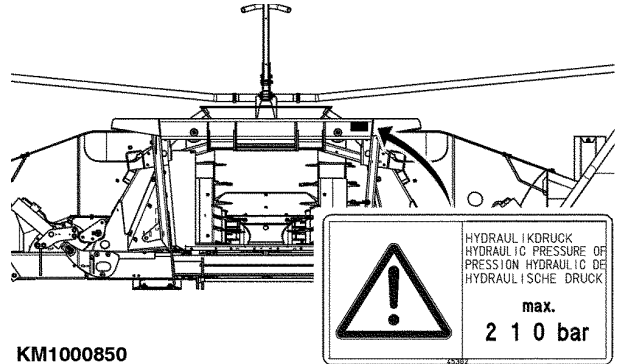


KM1001799 — UN — 11NOV11

KM00321,000052D -19-15NOV11-1/1

Hydraulic System

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



KM1000850 — UN — 03APR09

KM00321,0000156 -19-03APR09-1/1

Accessories

Special Kit for Row Guidance (Steering Assistance)

When driving a forage harvester 90% of the driver's attention is focused on steering. Use of the entire machine capacities is thus only possible with assisted steering.

A special kit is available as an attachment and is composed of:

- (1) sensor system with connecting cables
- (1) set of hardware for installation on rotary harvesting unit
- (1) assembly instructions

KM00321,0000272 -19-16FEB10-1/1

Special Kit for AHC

The AHC system is made of two sensors that are touching (following) the ground contours and maintain the rotary harvesting unit parallel to the ground.

The electric impulses of the sensors are converted into hydraulic oil quantity by the control unit of the forage

harvester (see forage harvester operator's manual for operating the AHC function).

Depending on the oil quantity a cylinder extends or retracts in such a way that the rotary harvesting unit is always adjusted parallel to the ground.

KM00321,00008E2 -19-08MAR19-1/1

Troubleshooting

Troubleshooting

CAUTION: Before making any adjustments or doing any service work, always:

- Switch the machine off
- Remove the key from the ignition
- Wait until all the moving parts have come to a standstill.

Symptom	Problem	Solution
High power requirement despite poor cut	Rotating blades are dull	Replace the rotating blades.
	Defective cleaners	Install new cleaners.
Rubbing noises at the cutter blade	Rotor is dirty	Clean the rotor. Wherever possible, clean out the cutting space before the unit is used.
	Defective cleaners	Install new cleaners.
Rotary harvesting unit vibrates	Imbalance caused by dirty rotating blades	Clean the rotating blades.
	Imbalance caused by asymmetrical rotating blades	Always replace the rotating blades two at a time.
	One of the cleaners has broken	Replace both of the cleaners.
	Imbalance at rotating blade caused by excessive vertical play	Straighten the blade or install new blades.
Stalks are pushed to the front before they are cut (long, uneven stubble)	Leaves accumulated at the dividers	Clean the dividers.
	One of the cleaners has broken	Replace both of the cleaners.
Gathering drums stop rotating	Blockage in the feeding area	Reverse the gathering drums briefly. Reverse them repeatedly if necessary.
	Worn skid shoes	Replace.
	Defective transmission	See your John Deere dealer.
Transmission overheating	Too much oil or too little oil in the transmission	Check oil level in transmission, and add or drain oil as necessary.
The gathering drums and rotating blades refuse to start	Defective dog clutch	See your John Deere dealer.
The entire left or right side of the unit stops rotating	Left or right friction clutch defective	See your John Deere dealer.
The unit refuses to unfold or fold	A foreign body (for example, grain of sand) is obstructing the restrictor	See your John Deere dealer.

Continued on next page

km00321,1687507933599 -19-23JUN23-1/2

Troubleshooting

Symptom	Problem	Solution
Poor cut when the rows are far apart	The unit is tackling seven rows of plants. The middle row is hindering the cut	Tackle only six rows of plants. If necessary, see your John Deere dealer.
StalkBuster™ units refuse to raise/lower	Pneumatic pressure supply interrupted	Restore pneumatic pressure supply
	Solenoid of the valves is stuck	Replace the valves
	Electrical connection of the valves failed	Check and repair electrical connection
StalkBuster™ units vibrate	Rotors are unbalanced	Replace rotors
	Covers are loose	Fasten attaching screws of the covers

km00321,1687507933599 -19-23JUN23-2/2

Lubrication and Periodic Service

Service Intervals

CAUTION: Before making any adjustments or doing any service work, always:

- Switch the machine off
- Remove the key from the ignition
- Wait until all the moving parts have come to a standstill.

IMPORTANT: The intervals quoted here are for average conditions. Adverse operating conditions may make it necessary to apply lubrication or carry out an oil change more often.

IMPORTANT: Replace any damaged parts.

Any screws that have worked loose must be retightened to the proper torque.

Clean grease fittings before lubrication. Replace lost or damaged grease fittings immediately. If a new fitting fails to take grease, remove it and check whether the grease passage is blocked.

Perform lubrication and maintenance work mentioned in this section before and after every harvesting season as well.

OUKM001,0000012 -19-15FEB05-1/1

Multipurpose Extreme Pressure (EP) Grease

IMPORTANT: For automated lubrication systems, different ambient air temperatures must be considered.

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

John Deere SD Polyurea Grease is preferred.

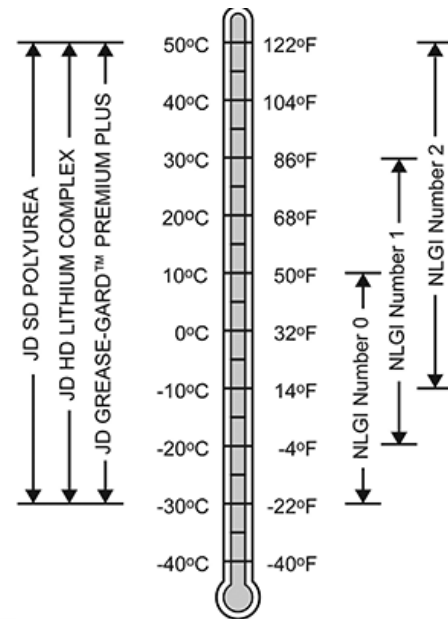
The following greases are also recommended:

- John Deere HD Lithium Complex Grease
- John Deere Grease-Gard Premium Plus

Other greases may be used if they meet the following:

- NLGI Performance Classification GC-LB
- ISO-L-X-BDHB 2 or DIN KP 2 N-10 Lithium Complex, Non-Synthetic Base Oil (100 to 220 mm²/s @ 40°C)

IMPORTANT: Some types of thickeners, base oils, and additives used in greases are not compatible with others. Mixing greases should be avoided. Consult your grease supplier before mixing different types of grease.



Greases for Air Temperature Ranges

RG30199—UN—08MAR18

DX, GRE1(T) -19-06APR22-1/1

Low-Viscosity Grease for Gears

The feed drum spur gear angle drives are filled with low-viscosity grease for gears.

The following low-viscosity greases are recommended:

Manufacturer	Name
ARAL	ARALUB FDP 00
BP	ENERGREASE HT 00 EP
TEXACO	STARFAK E 900
WESTFALEN	GRESANAT X 00

Other low-viscosity greases may be used if they meet the following:

NLGI Performance Classification NLGI 00

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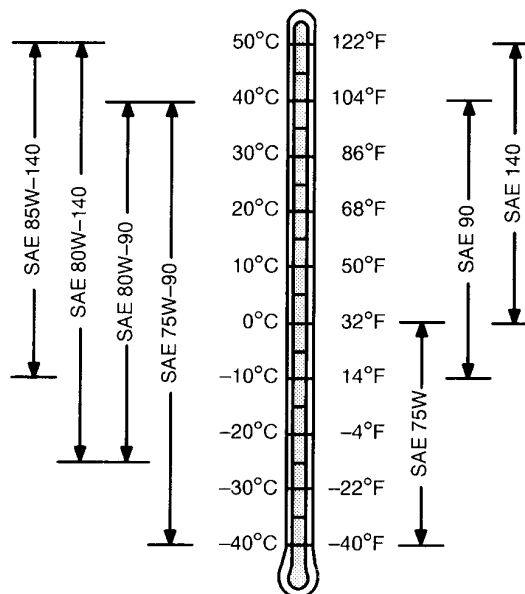
Gear Oil

Use an oil viscosity suitable for the expected air temperature range during the period between oil changes.

The following oils are preferred:

- John Deere EXTREME-GARD
- John Deere GL-5 GEAR LUBRICANT

Other oils may be used if they meet the API GL-5 service classification.



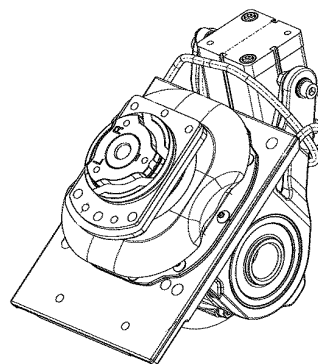
TS1653 —UN—14MAR96

DX.GEOIL(T) -19-06APR22-1/1

Gear Oil for StalkBuster™ Transmissions

The following oil is required for the StalkBuster™ transmissions:

- Castrol Alphasyn EP 150



KM532379

KM532379 —UN—04MAR22

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KM00321,0000CC3 -19-07MAR22-1/1

Main Drive Friction Clutch Coolant

The main drive friction clutch cooling system is filled to provide year-round protection against corrosion and winter freeze protection to -37°C (-34°F).

John Deere Cool-Gard is preferred for service.

If John Deere Cool-Gard is not available, use a low silicate ethylene glycol base coolant concentrate in a 50% mixture of concentrate with quality water.

The coolant concentrate shall be of a quality that provides cavitation protection to cast iron in the cooling system. John Deere Cool-Gard meets this requirement.

A 50% mixture of ethylene glycol engine coolant in water provides freeze protection to -37°C (-34°F). If protection at lower temperatures is required, consult your John Deere dealer for recommendations.

Water quality is important to the performance of the cooling system. Distilled, deionized, or demineralized water is recommended for mixing with ethylene glycol base engine coolant concentrate.

Coolant Drain Intervals

Drain the factory fill main drive friction clutch coolant, flush the cooling system, and refill with new coolant after the first 3 years or 3000 hours of operation. Subsequent drain intervals are determined by the coolant used for service. At each interval, drain the coolant, flush the cooling system, and refill with new coolant.

When John Deere Cool-Gard is used, the coolant drain interval is 3 years or 3000 hours of operation.

If Cool-Gard is not used, the drain interval is reduced to 2 years or 2000 hours of operation.

OUC002,0002827 -19-19MAR23-1/1

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 John Deere branded fluids or fluids that have been tested and/or approved for use in John Deere equipment.

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

DX,ALTER -19-13JAN18-1/1

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

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

Use Genuine John Deere Parts

Genuine John Deere parts have been specifically designed for John Deere machines.

Other parts are neither examined nor released by John Deere. Installation and use of such products could have negative effects upon the design characteristics of the machine and thereby affect its safety.

Avoid this risk by using only genuine John Deere parts.



ES 118 837

FX,ORI -19-04DEC90-1/1

ES118837 —UN—07JUN95

Release Pneumatic Pressure from StalkBuster™ Units

CAUTION: Before carrying out adjustment, repair and maintenance work, release pneumatic pressure from the StalkBuster™ units.

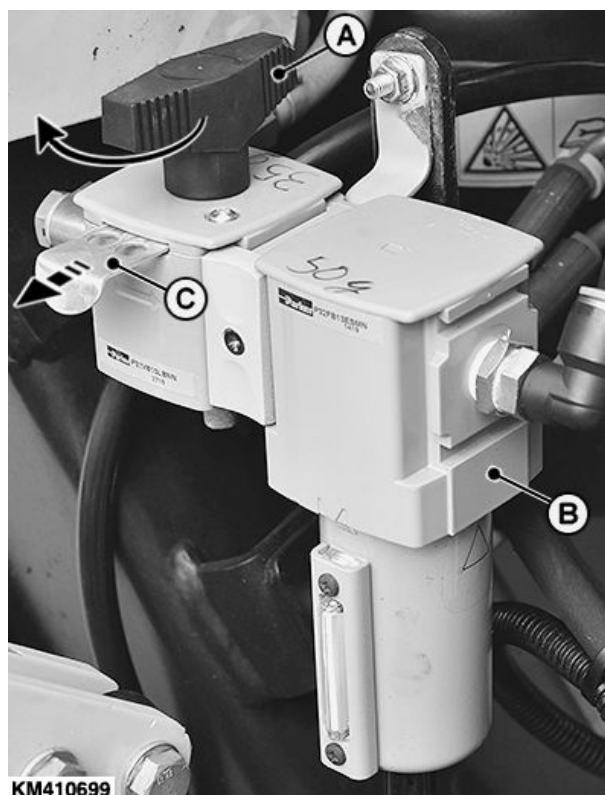
1. Turn knob (A) at the control valve (B) clockwise to release the pneumatic pressure.

NOTE: The control valve (B) is located on the left-hand side of the header (viewed in direction of travel).

2. Pull lever (C) in direction of arrow. Then secure the lever (C) with a padlock to prevent accidental activation of the pneumatic pressure.
3. Disconnect pneumatic hose (D) from the forage harvester.

A—Knob
B—Control Valve

C—Lever
D—Pneumatic Hose



KM410699



KM410700

KM410699 —UN—06MAY20

KM410700 —UN—06MAY20

KM00321,0000A6C -19-23JUN23-1/1

At the Start of Every Harvesting Season

Before putting the harvester into operation, carry out a general check of the friction clutches in the main drive, and do a check on the gatherer drums. In the "Service" section, see "Relieving Pressure at the Slip Clutches on the Main Drive".

Run the rotary harvesting unit for a few minutes. Then check all the bearings. If overheating or excessive play is found, replace the relevant bearings before operating the rotary harvesting unit.

OUKM001,0000014 -19-15FEB05-1/1

At the Start of Every Harvesting Season—Spherical Collar Bolts

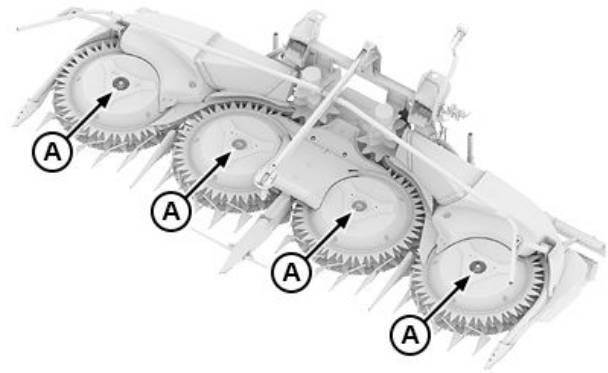
The torques of the spherical collar bolts (A) must be checked prior to each harvesting season and adjusted where necessary.

The torque setting is:

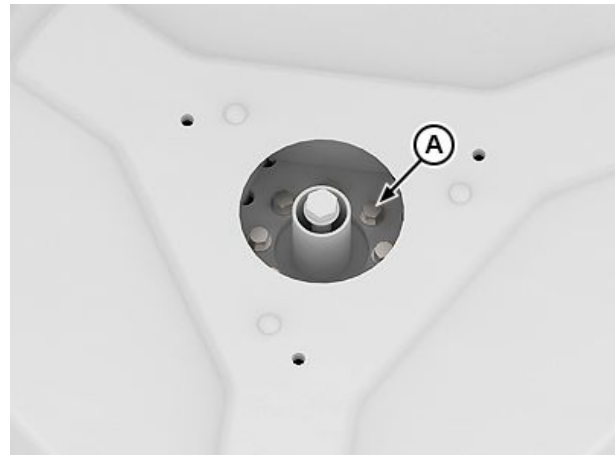
Specification

Spherical Collar
Bolts—Torque..... 200 N·m (148 lb-ft)

A—Bolts



KM584047 —UN—29JUN23



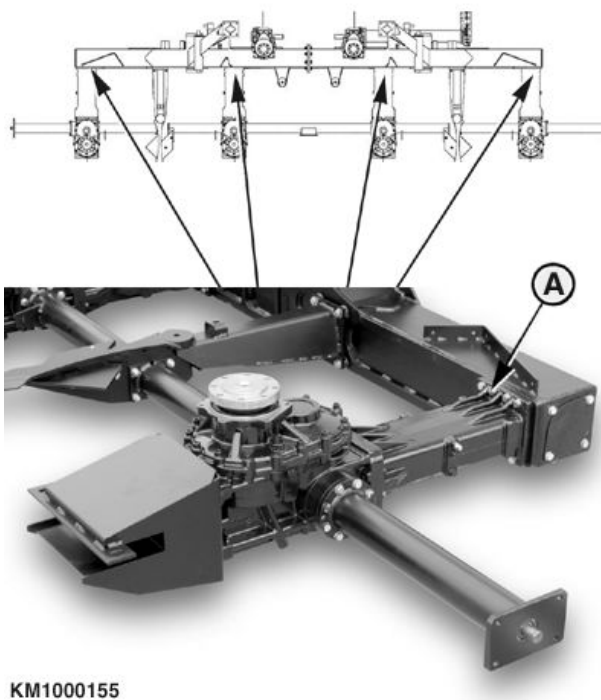
KM574686 —UN—28APR23

km00321,1687509917327 -19-03JUL23-1/1

At the Start of Every Harvesting Season—Gearbox Mounting Flange Attaching Screws

The torques of the flange screws (A) at gearbox mounting flanges of gathering drums must be retighten prior to each harvesting season and then retighten after 50 hours in service.

The torque setting is:



KM1000155

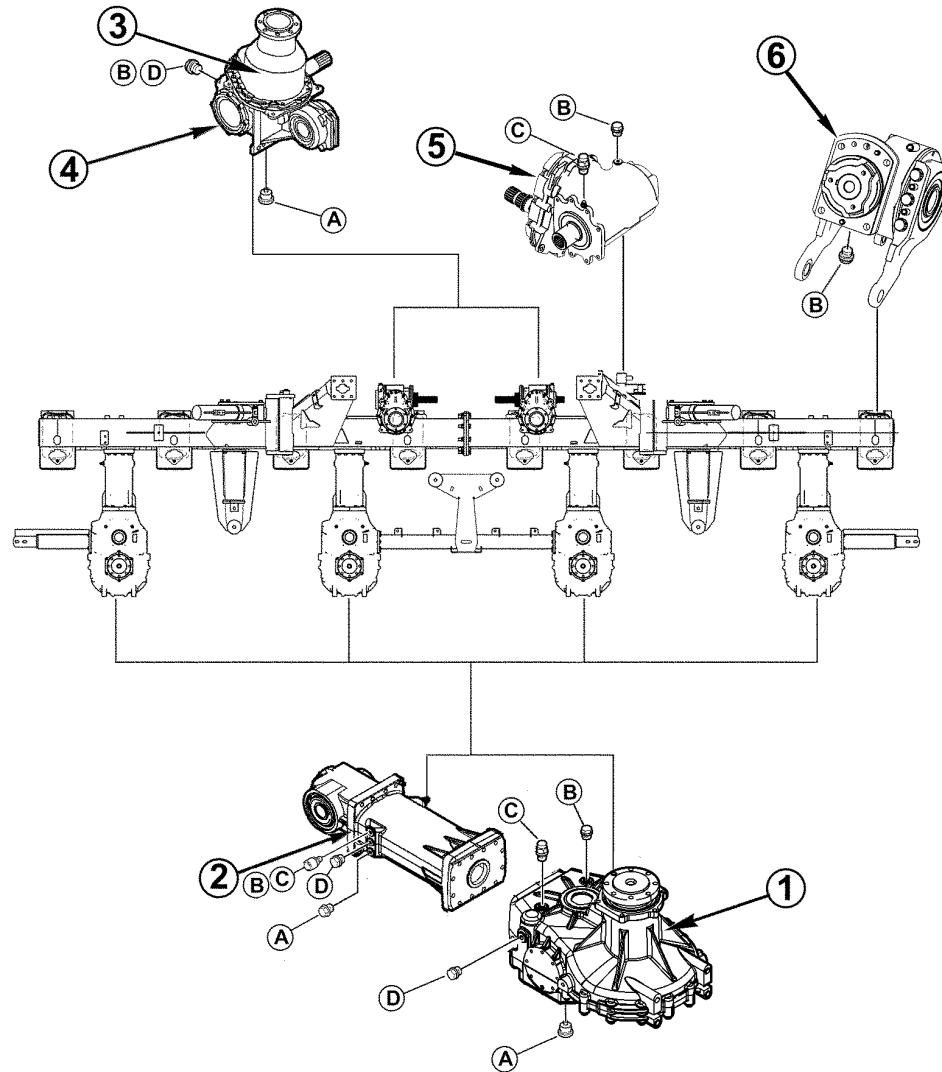
A—Screw

KM1000155 —UN—16OCT07

Item	Measurement	Specification
Gearbox Mounting Flange Attaching Screws	Torque	95 N·m (70 lb-ft)

OUCC002,0002829 -19-15OCT07-1/1

Overview of Transmissions and Oil Levels



KM380929

A—Oil Drain Plug
B—Oil Filler Plug
C—Breather
D—Oil Level Plug

1—Gathering Drum Spur Gear
Angle Drive - 8.5 L (2.25 US.
gal.)

2—Angle Drive - 1.5 L (0.4 US.
gal.)

3—Feed Drum Spur Gear Angle
Drive (Filled Lifetime with 1.1
kg (2.42 lb.) of Low-Viscosity
Grease for Gears)

4—Spur Gear Angle Drive - 1.1 L
(0.29 US. gal.)
5—Gear Case (8000 and 9000
Series Forage Harvesters) - 2
L (0.53 US. gal.)

6—StalkBuster™ Spur Gear
Angle Drive - 0.4 L (0.11 US.
gal.) Oil Castrol Alphasyn EP
150

IMPORTANT: The oil in the drives must be changed
after the first 100 operating hours and then
every 500 operating hours.

1. Raise the rotary harvesting unit until it is horizontal.

2. Unfold the rotary harvesting unit as described under
Unfolding and Folding the Rotary Harvesting Unit.

KM00321,0000A6D -19-06MAY20-1/1

KM380929 —UN—04MAR21

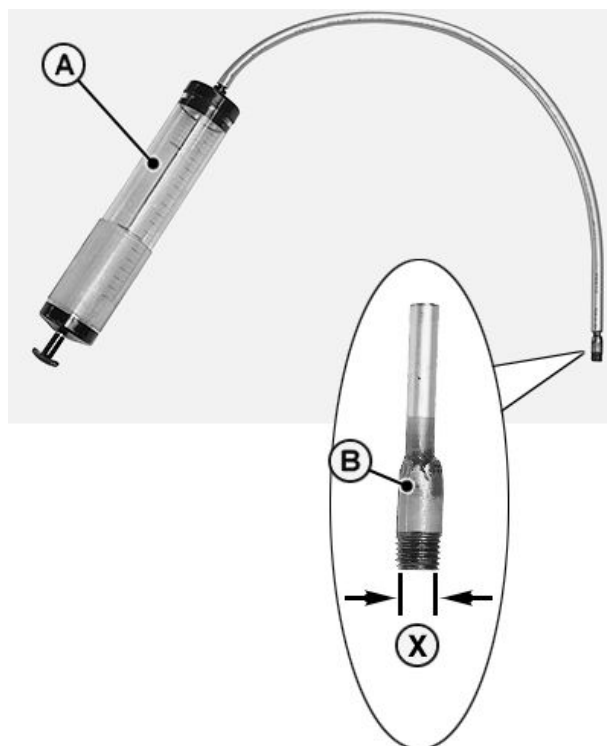
Oil Hand Pump for the Oil Change in StalkBuster™ Transmissions

IMPORTANT: An oil hand pump (A) with a minimum capacity of 500 mL (16.9 oz) is required for the oil change in the StalkBuster™ transmissions.

Make an adapter (B) with a thread (X) of M12 x 1.5 to fill oil into the StalkBuster™ transmissions.

A—Oil Hand Pump
B—Adapter

X—Thread M12 x 1.5



KM504736

KM504736 —UN—14APR21

StalkBuster is a trademark of Deere & Company

KM00321,0000B59 -19-11MAR21-1/1

Change Oil in StalkBuster™ Transmissions

Drain Oil

IMPORTANT: The oil in the StalkBuster™ transmissions must be changed after the first 50 operating hours and then every 500 operating hours.

1. Unfold the rotary harvesting unit.
2. Loosen screw (A) and remove the rotor (B).

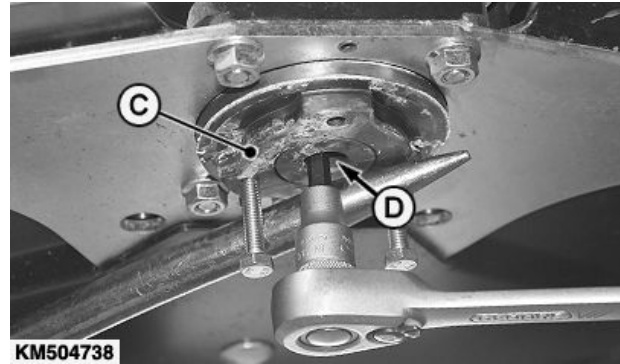
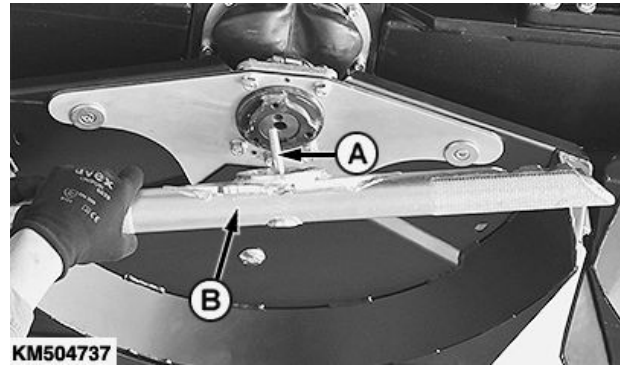
IMPORTANT: Before removing the drain screw (D), make sure that the hex socket wrench is in a good condition to prevent damage to the head of the drain screw (D).

3. Secure the flange (C) against twisting and remove the drain screw (D).
4. Drain oil in a suitable container.

NOTE: The drained oil volume must be approximately 220 mL (7.4 oz).

A—Screw
B—Rotor

C—Flange
D—Drain Screw

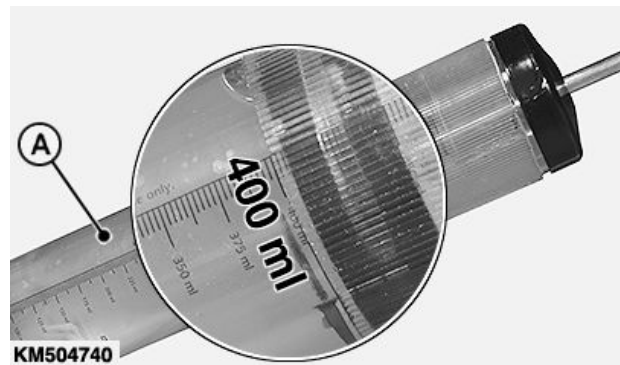


km00321,1688392990817 -19-03JUL23-1/5

Add Oil

1. Fill the oil hand pump (A) with 400 mL (13.6 oz) of the following oil:
 - Castrol Alphasyn EP 150

A—Oil Hand Pump



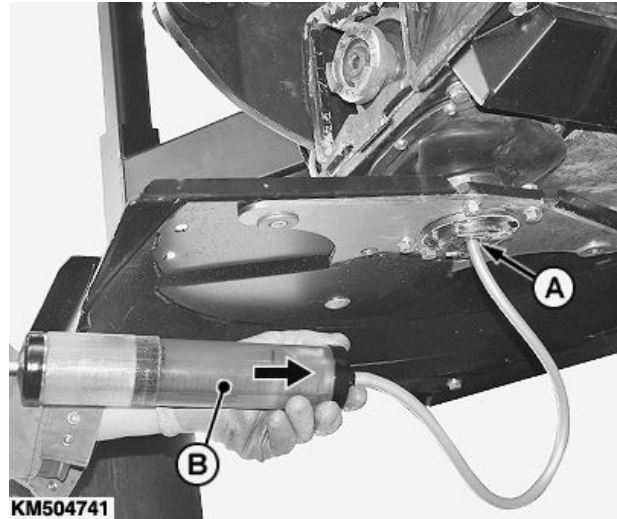
Continued on next page

km00321,1688392990817 -19-03JUL23-2/5

2. Screw the adapter (A) of the oil hand pump (B) into the thread of the oil drain screw.
3. To activate the transmission ventilation, first pump 400 mL (13.6 oz) of oil into the gear case using the oil hand pump (B). This creates a slight overpressure inside the gearcase and activates the breather.

A—Adapter

B—Oil Hand Pump



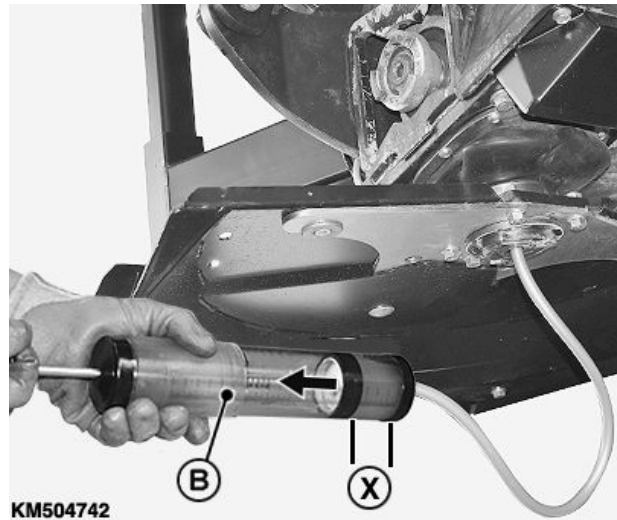
KM504741 —UN—14APR21

km00321,1688392990817 -19-03JUL23-3/5

4. Then pull 175 mL (5.9 oz) of oil back into the oil hand pump (B) to create underpressure in the gear case.

B—Oil Hand Pump

X—Oil - 175 mL (5.9 oz)



KM504742 —UN—14APR21

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km00321,1688392990817 -19-03JUL23-4/5

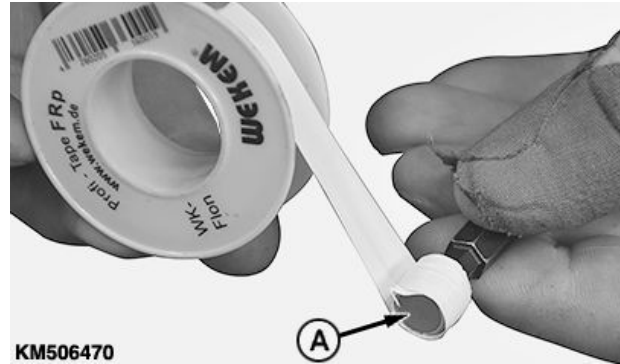
5. Attach thread sealing tape to the drain screw (A).
6. Remove the oil hand pump and then reinstall drain screw (A) immediately to prevent oil loss.
7. Tighten drain screw (A) to specification.

Specification

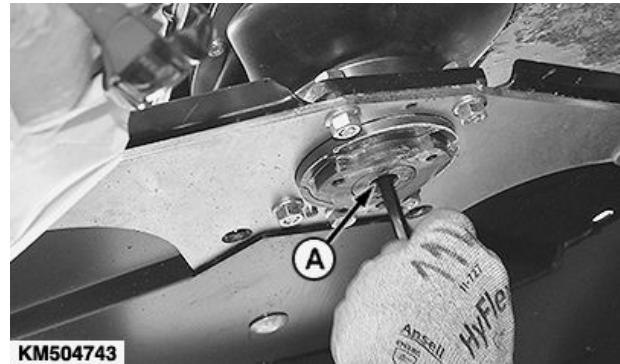
Drain Screw—Torque..... 10 N·m (7.4 lb·ft)

8. Reinstall the rotor (see Install StalkBuster™ Rotors in Service Section).

A—Drain Screw



KM506470



KM504743

KM506470—UN—14APR21

KM504743—UN—14APR21

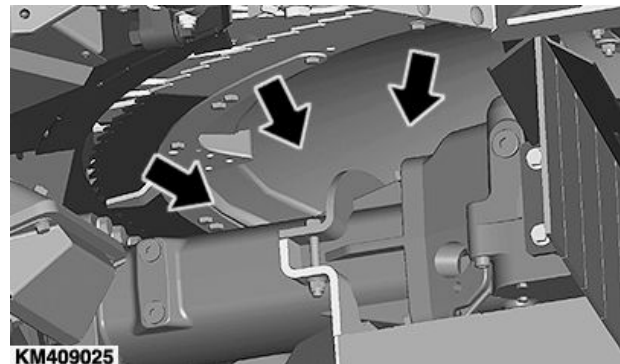
km00321,1688392990817 -19-03JUL23-5/5

Every 10 Hours—Check and Clean

IMPORTANT: The daily removal of crop residues is essential for the proper function of the rotary harvesting unit.

Check and clean the following areas every 10 hours or more often if necessary:

1. Check and clean the area between blade rotors and gathering drum gearboxes.



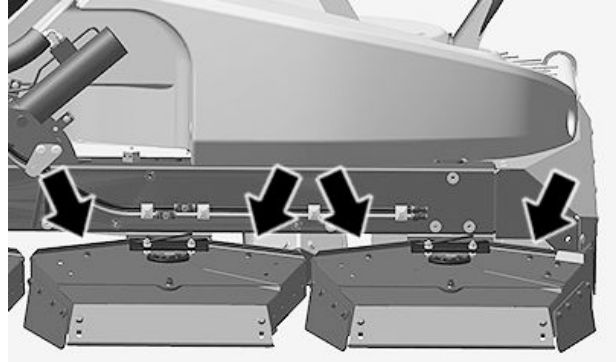
KM409025

KM409025—UN—27MAR20

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km00321,1688388764415 -19-03JUL23-1/5

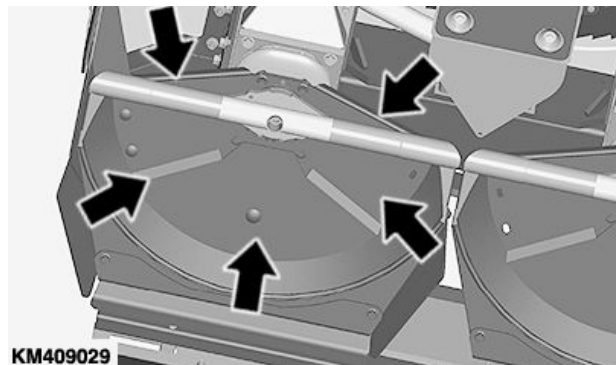
2. Check and clean the area between the square tube of the base frame and the covers of the StalkBuster™ mulching units.



KM584050 —UN—03JUL23

km00321,1688388764415 -19-03JUL23-2/5

3. Check and clean the area between the rotors and the covers of the StalkBuster™ mulching units.

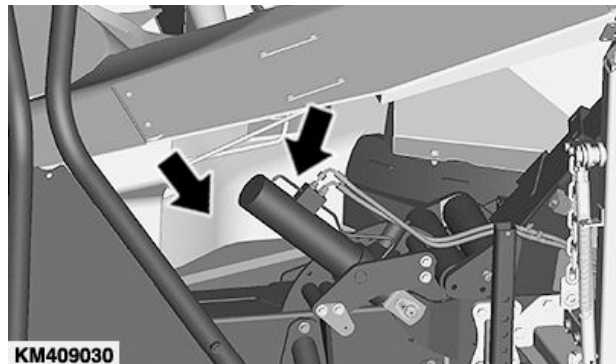


KM409029

KM409029 —UN—27MAR20

km00321,1688388764415 -19-03JUL23-3/5

4. Check and clean the area behind the hydraulic cylinders.



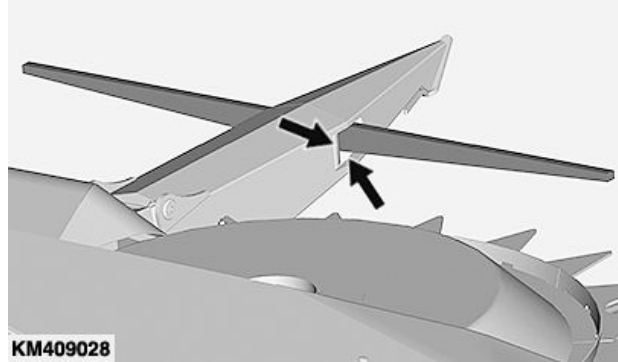
KM409030

KM409030 —UN—27MAR20

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km00321,1688388764415 -19-03JUL23-4/5

5. Check and clean the area behind the feeler of the steering sensor.



KM409028 —UN—27MAR20

km00321,1688388764415 -19-03JUL23-5/5

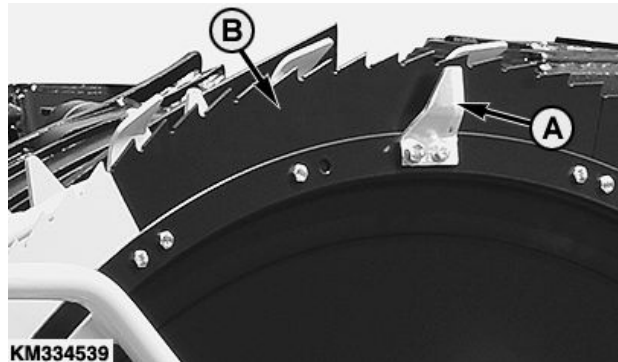
Every 10 Hours—Cleaners and Blade Rotor Segments

Check all cleaners (A) and blade rotor segments (B) for signs of wear.

Replace worn parts (see "Service" section).

A—Cleaner

B—Blade Rotor Segment



KM334539 —UN—02NOV17

KM00321,00006F3 -19-03NOV17-1/1

Every 10 Hours—Attaching Screws of Rotors

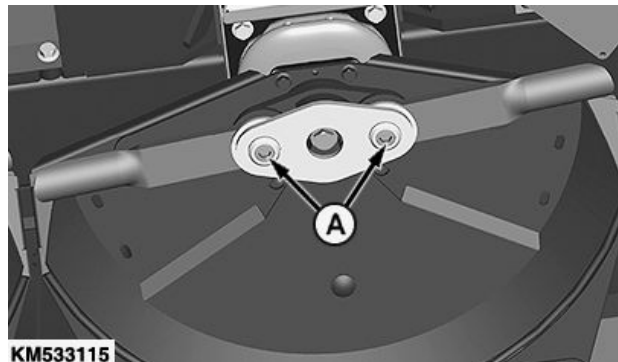
Check attaching screws (A) of the articulated rotors for correct torque.

Specification

Attaching
Screws—Torque..... 215 N·m (159 lb-ft)

If necessary, retighten attaching screws (A).

A—Attaching Screws



KM533115 —UN—01APR22

km00321,1688388981814 -19-03JUL23-1/1

Every 10 Hours—Balancing Weights

Check balancing weights (A) under the rotating blades for signs of wear.

Replace damaged or worn balancing weights (A).

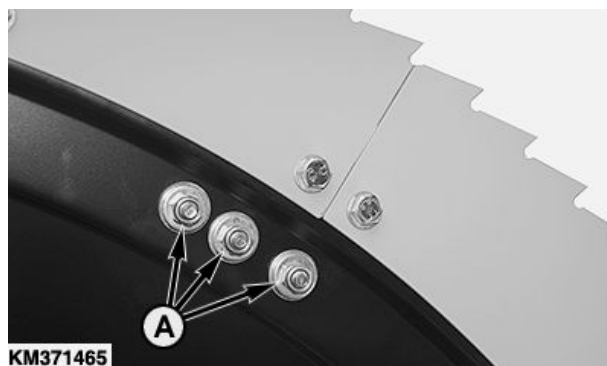
NOTE: One balancing weight consists of a screw, a washer, and a nut.

Insert screws with Loctite® 270 and tighten to the specified torque.

Specification

Attaching Screws of Balancing Weights—Torque.....	25 N·m (18.5 lb·ft)
---	---------------------

Loctite is a trademark of Henkel Corporation



A—Balancing Weights

KM371465 —UN—05MAR19

KM00321,0000B5E -19-11MAR21-1/1

Every 10 Hours—StalkBuster™ Control Valve

Turn reservoir (A) in direction of arrow.

Remove reservoir (A) from the control valve.

Clean and reinstall reservoir (A).

A—Reservoir



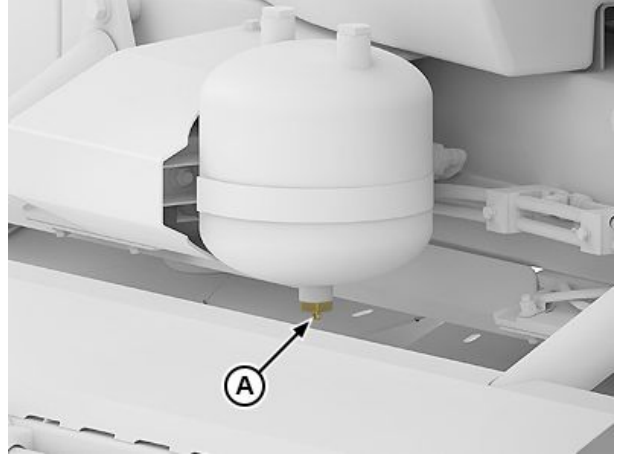
KM410701 —UN—06MAY20

KM00321,0000A6F -19-08MAY20-1/1

Every 10 Hours—StalkBuster™ Accumulator

Pull ring (A) and drain condensation.

A—Ring



KM584048 —UN—29JUN23

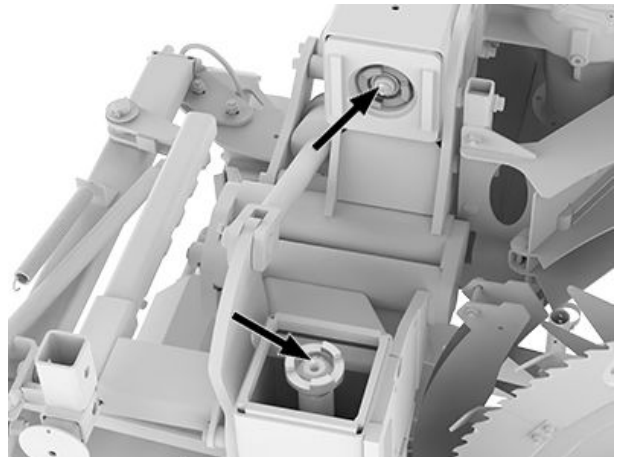
km00321,1688389989573 -19-03JUL23-1/1

Every 50 Hours—Claw Couplings

Clean all claw couplings (see arrows).

Lubricate with John Deere Grease-Gard™.

Lay also a film of John Deere Grease-Gard™ on the grooved surface of the clutch claws, using a brush.

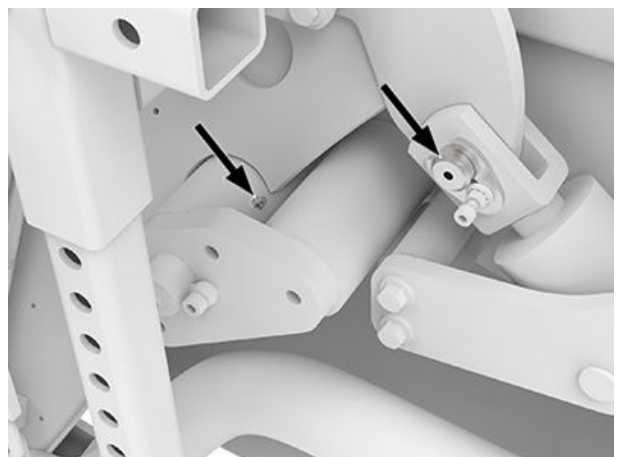


KM574671 —UN—28APR23

km00321,1682684271574 -19-28APR23-1/1

Every 50 Hours—Hydraulic Cylinder Lower Pin and Outer Unit Hinges

Lubricate with John Deere Grease-Gard™.

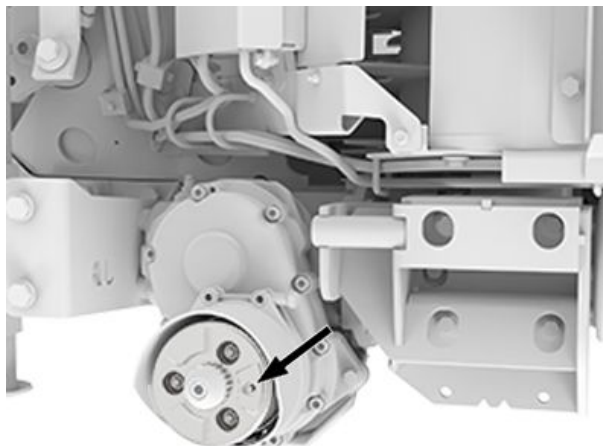


KM574673 —UN—28APR23

km00321,1682685348866 -19-28APR23-1/1

Every 50 Hours—Automatic Driveline Coupler

Lubricate with John Deere Grease-Gard™.



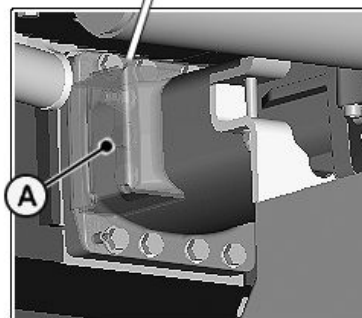
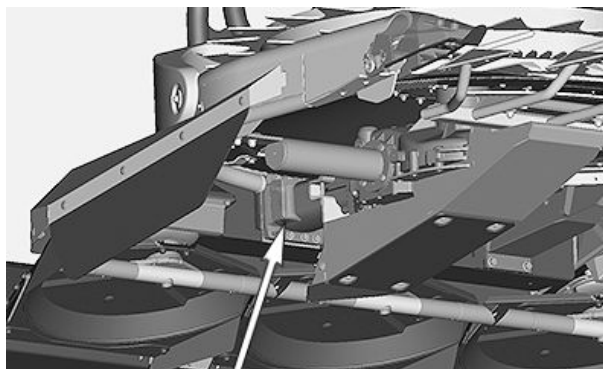
KM574672 —UN—28APR23

km00321,1682684088446 -19-28APR23-1/1

Annually—Check and Clean

1. Remove cover (A).
2. Clean the area around the breather behind the cover (A).
3. Reinstall cover (A).
4. Repeat the procedure on all remaining gathering drum transmissions.

A—Cover



KM504744

KM504744 —UN—14APR21

KM00321,0000B57 -19-11MAR21-1/1

Every 2 or 3 Years—Main Drive Friction Clutch Coolant

CAUTION: Never attempt to open drain/refill plug (B) when the friction clutch is hot! Wait until friction clutch has cooled down. First unscrew plug (B) by one turn to release overpressure.

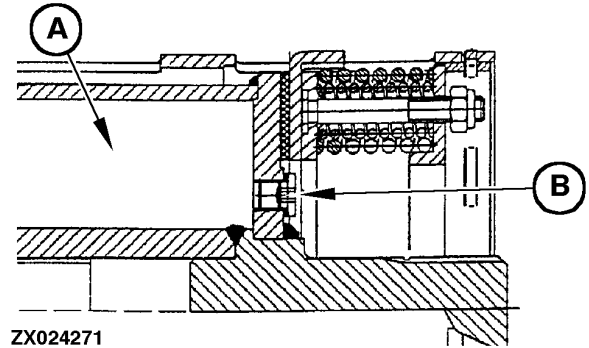
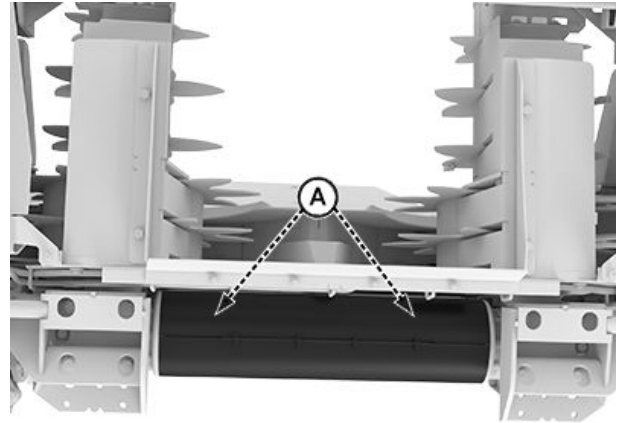
IMPORTANT: Replace main drive friction clutch coolant after 2000 hours of operation only if John Deere COOL-GARD coolant is not used!

Friction clutch (A) cavity can be drained and refilled. This maintenance operation requires the friction clutch to be dismantled from the machine. Therefore, it is recommended to contact your John Deere dealer to carry out draining/refilling of friction clutch.

Specification

Main Drive Friction Clutch

Cavity—Capacity..... 1.3 liters (0.26 US. gal.)



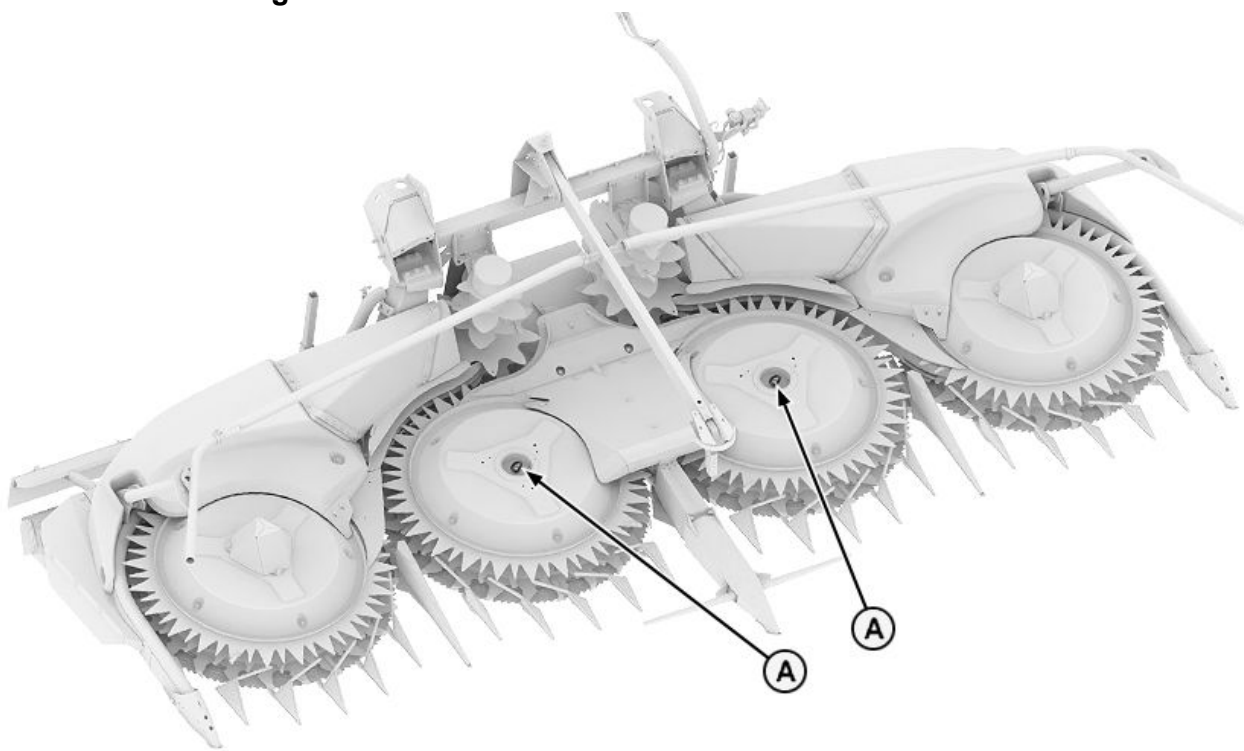
ZX024271

KM574679 —UN—28APR23

ZX024271 —UN—07MAR01

km00321,1682685954671 -19-28APR23-1/1

After Each Harvesting Season



KM684049 —UN—03JUL23

- Clean the entire rotary harvesting unit - pay particular attention to the depressions (A) in the gathering drums.
- Change transmission oil in all the drives. See also Overview of Transmissions and Oil Levels at the Rotary Harvesting Unit.
- Lubricate all grease fittings.
- Check the entire rotary harvesting unit for defective or worn components. Order the relevant parts from your

John Deere dealer straight away, so that they can be installed in good time for the next harvesting season.

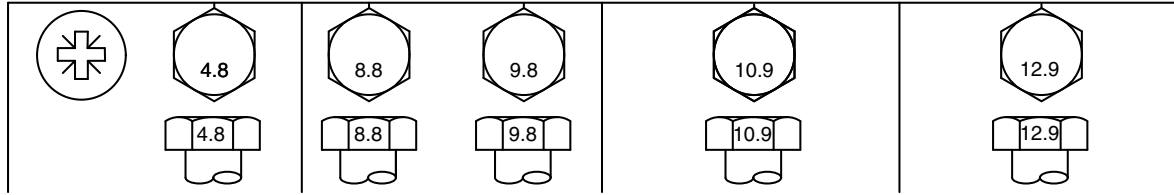
IMPORTANT: Only properly serviced units give the best results.

km00321,1688390971434 -19-03JUL23-1/1

Service

Metric Bolt and Screw Torque Values

TS1742 —UN—31MAY18



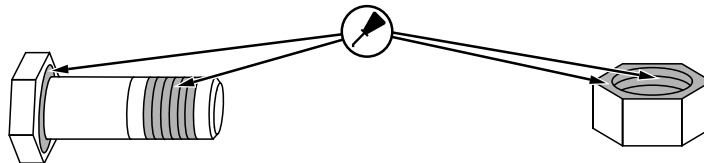
Bolt or Screw Size	Class 4.8				Class 8.8 or 9.8				Class 10.9				Class 12.9			
	Hex Head ^a		Flange Head ^b		Hex Head ^a		Flange Head ^b		Hex Head ^a		Flange Head ^b		Hex Head ^a		Flange Head ^b	
	N·m	lb·in	N·m	lb·in	N·m	lb·in	N·m	lb·in	N·m	lb·in	N·m	lb·in	N·m	lb·in	N·m	lb·in
M6	3.6	31.9	3.9	34.5	6.7	59.3	7.3	64.6	9.8	86.7	10.8	95.6	11.5	102	12.6	112
									N·m	lb·ft	N·m	lb·ft	N·m	lb·ft	N·m	lb·ft
M8	8.6	76.1	9.4	83.2	16.2	143	17.6	156	23.8	17.6	25.9	19.1	27.8	20.5	30.3	22.3
			N·m	lb·ft	N·m	lb·ft	N·m	lb·ft								
M10	16.9	150	18.4	13.6	31.9	23.5	34.7	25.6	46.8	34.5	51	37.6	55	40.6	60	44.3
	N·m	lb·ft														
M12	—	—	—	—	55	40.6	61	45	81	59.7	89	65.6	95	70.1	105	77.4
M14	—	—	—	—	87	64.2	96	70.8	128	94.4	141	104	150	111	165	122
M16	—	—	—	—	135	99.6	149	110	198	146	219	162	232	171	257	190
M18	—	—	—	—	193	142	214	158	275	203	304	224	322	245	356	263
M20	—	—	—	—	272	201	301	222	387	285	428	316	453	334	501	370
M22	—	—	—	—	365	263	405	299	520	384	576	425	608	448	674	497
M24	—	—	—	—	468	345	518	382	666	491	738	544	780	575	864	637
M27	—	—	—	—	683	504	758	559	973	718	1080	797	1139	840	1263	932
M30	—	—	—	—	932	687	1029	759	1327	979	1466	1081	1553	1145	1715	1265
M33	—	—	—	—	1258	928	1398	1031	1788	1319	1986	1465	2092	1543	2324	1714
M36	—	—	—	—	1617	1193	1789	1319	2303	1699	2548	1879	2695	1988	2982	2199

The nominal torque values listed are for general use only with the assumed wrenching accuracy of 20%, such as a manual torque wrench. DO NOT use these values if a different torque value or tightening procedure is given for a specific application. For lock nuts, for stainless steel fasteners, or for nuts on U-bolts, see the tightening instructions for the specific application.

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 that fastener threads are clean.
- Apply a thin coat of Hy-Gard™ or equivalent oil under the head and on the threads of the fastener, as shown in the following image.
- Be conservative with the amount of oil to reduce the potential for hydraulic lockup in blind holes due to excessive oil.
- Properly start thread engagement.

TS1741 —UN—22MAY18



^aHex head column values are valid for ISO 4014 and ISO 4017 hex head, ISO 4162 hex socket head, and ISO 4032 hex nuts.

^bHex flange column values are valid for ASME B18.2.3.9M, ISO 4161, or EN 1665 hex flange products.

DX,TORQ2 -19-09MAY22-1/1

Release Pneumatic Pressure from StalkBuster™ Units

CAUTION: Before carrying out adjustment, repair and maintenance work, release pneumatic pressure from the StalkBuster™ units.

1. Turn knob (A) at the control valve (B) clockwise to release the pneumatic pressure.

NOTE: The control valve (B) is located on the left-hand side of the header (viewed in direction of travel).

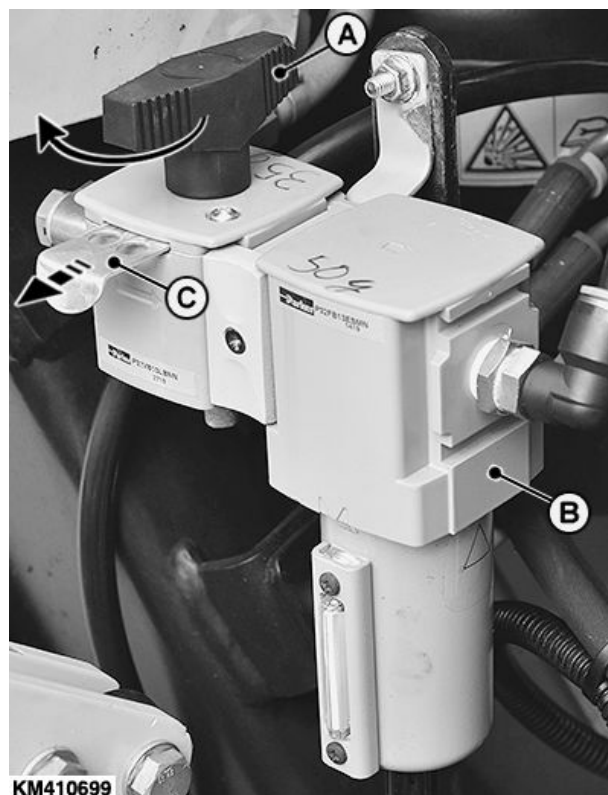
2. Pull lever (C) in direction of arrow. Then secure the lever (C) with a padlock to prevent accidental activation of the pneumatic pressure.
3. Disconnect pneumatic hose (D) from the forage harvester.

A—Knob

B—Control Valve

C—Lever

D—Pneumatic Hose



KM410699 —UN—06MAY20

KM410700 —UN—06MAY20

KM00321,0000A6C -19-23JUN23-1/1

Relieving Pressure at the Slip Clutches on the Main Drive

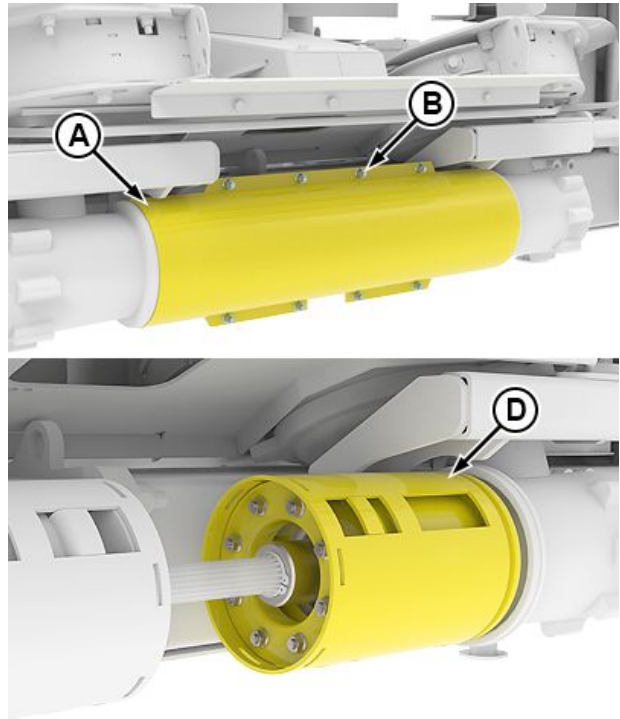
CAUTION: Before making any adjustments or doing any service work, always:

- Switch the machine off
- Remove the key from the ignition
- Wait until all the moving parts have come to a standstill.

The two slip clutches (D) on the main drive protect the rotary harvesting unit from unnecessary loads. It is therefore important to keep these clutches properly serviced. The torque setting is 900 N·m (663.8 lb-ft).

IMPORTANT: The following steps must be taken before the rotary harvesting unit is put into service for the first time, and between harvesting seasons as well.

1. Remove cover (A). First take out screws (B).



KM569717—UN—05APR23

km00321,1687519624996 -19-23JUN23-1/2

2. Tighten screws (C). This reduces pressure on the clutch disks.
3. Rotate the clutch by hand.

IMPORTANT: If it is not possible to turn slip clutch by hand, it has to be disassembled and cleaned for proper function. See "Disassemble Slip Clutch" in this Section.

4. Unscrew screws (C) as far as their threads allow (without removing them completely).
5. Install cover (A), bolting it down with screws (B).

IMPORTANT: We recommend that you have the slip clutches checked by your John Deere dealer once every year.



KM569718—UN—05APR23

km00321,1687519624996 -19-23JUN23-2/2

Disassemble Slip Clutch

If it is not possible to turn slip clutch by hand as explained under "Relieving Pressure at the Slip Clutches on the Main Drive", it has to be disassembled and cleaned for proper function. Proceed as follows:

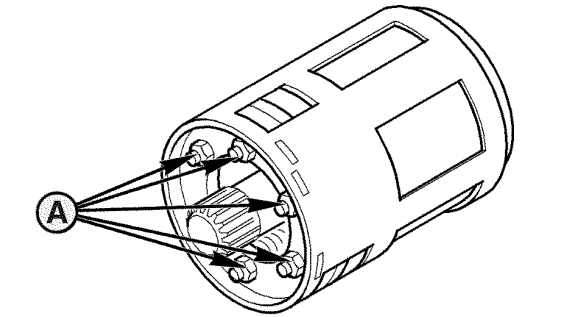
1. Remove clutches from harvesting unit.
2. Tighten the nuts (A). This relieves pressure on the friction plates.
3. First remove bushing (I) from housing (B).
4. Then remove all parts of friction clutch from housing (B).
5. Clean all parts, especially the friction disks (C, E). Replace worn parts.
6. Reassemble all parts.
7. Install bushing (I) as shown in "Torque Settings" below.
8. Slacken off nuts (A) to the end of its thread.
9. Reinstall clutches to harvesting unit.

Torque Setting:

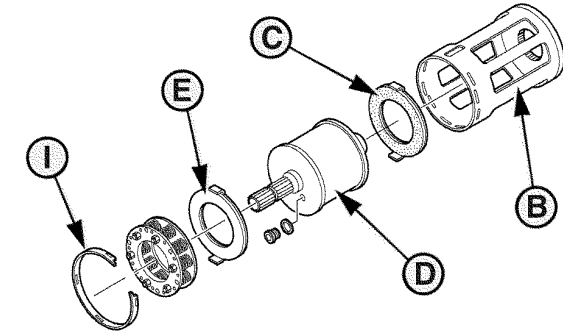
IMPORTANT: The specified torque of 900 N·m should not be exceeded.

This torque is set by positioning the profile (F) towards the inside and engaged with inner recess (H) of housing (B).

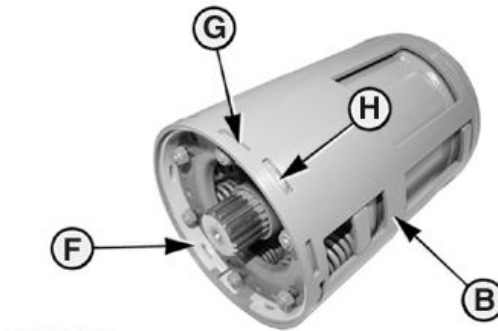
- | | |
|--|-----------------|
| A—Nut | E—Friction disk |
| B—Housing | F—Profile |
| C—Friction disk | G—Outer recess |
| D—Coolant fluid reservoir - 1.3 L (0.34 US. gal) | H—Inner recess |
| — 0.65 L (0.17 US gal.) Water | I—Bushing |
| — 0.65 L (0.17 US gal.) Anti-freezing compound | |



KM1000160



KM1000161



KM1000162

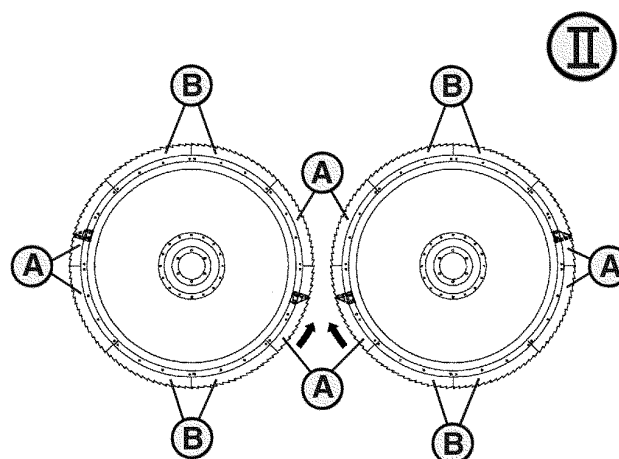
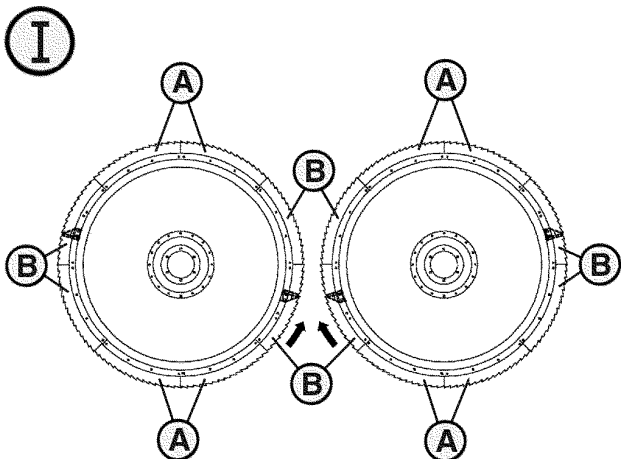
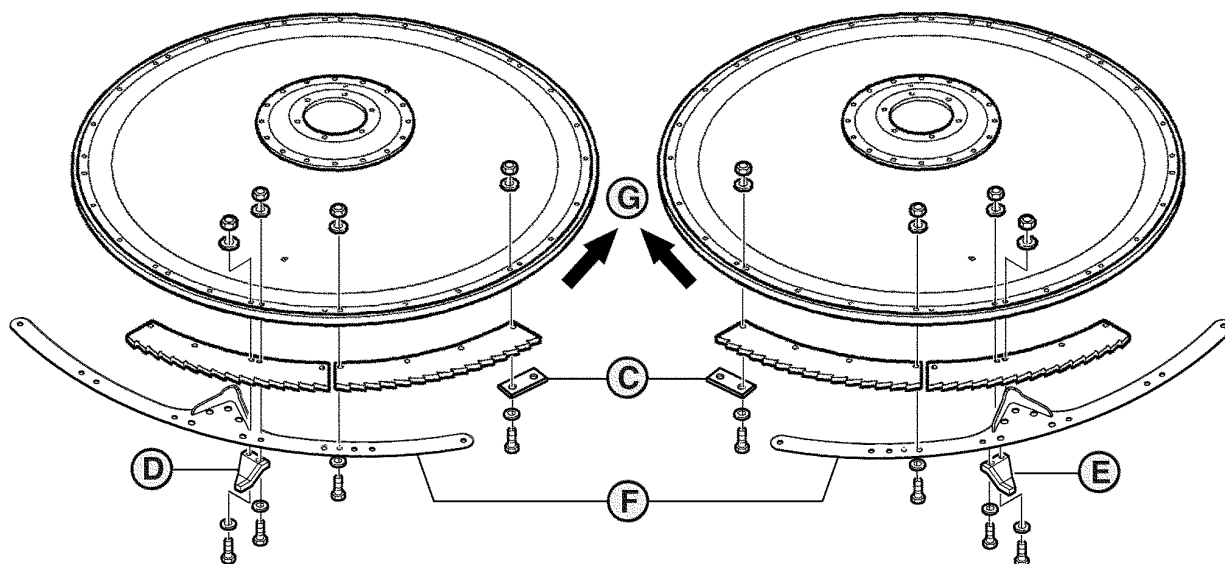
KM1000160 —UN—16OCT07

KM1000161 —UN—16OCT07

KM1000162 —UN—16OCT07

OUCC002,000282F -19-15OCT07-1/1

Installing New Rotating Blades



KM380936

A—Yellow Blade
B—Black Blade
C—Strap

D—Cleaner (Counter-Clockwise)
E—Cleaner (Clockwise)

F—Reinforcement Strap
G—Direction of Cut

CAUTION: Before making any adjustments or doing any service work, always:

- Switch the machine off
- Remove the key from the ignition
- Wait until all the moving parts have come to a standstill.

IMPORTANT: The rotating blades must be installed with their tips pointing in the direction of cut (G).

1. There are different blades.
In all, 8 blades are installed on each rotating cutter.

- 4 yellow blades (A), and
 - 4 black blades (B)
2. The blades are installed in the order: 2 yellow (A), then 2 black (B). Remember to bolt on straps (C).

IMPORTANT: Install blade with coated area up.

3. Remember to install cleaner (D) or (E) and reinforcing straps (F) as shown in the relevant installation scheme (I) or (II) on black or yellow blades, depending on installing coated (I) or uncoated (II) blades. Cleaner (D) is for counter-clockwise rotation and cleaner (E) is for clockwise rotation.

Continued on next page

KM00321,0000967 -19-04JUN19-1/3

NOTE: Install cleaners (D) and (E) with their cutting edges facing in the direction of cut.

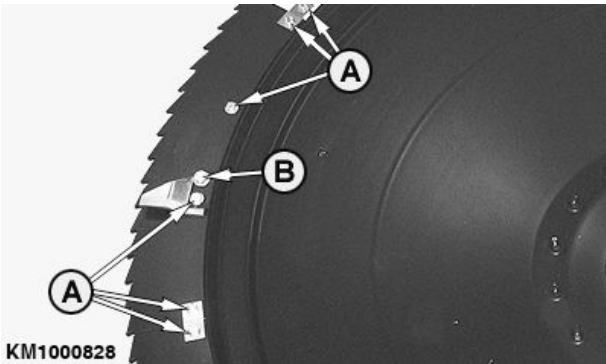
KM00321,0000967 -19-04JUN19-2/3

Tighten all attaching screws of blade segments and cleaners with the specified torque.

Specification	
M8 Screws—Torque.....	28 N·m 20.65 lb.-ft.
M10 Screws—Torque.....	51 N·m 37.62 lb.-ft.

A—M8 Screws

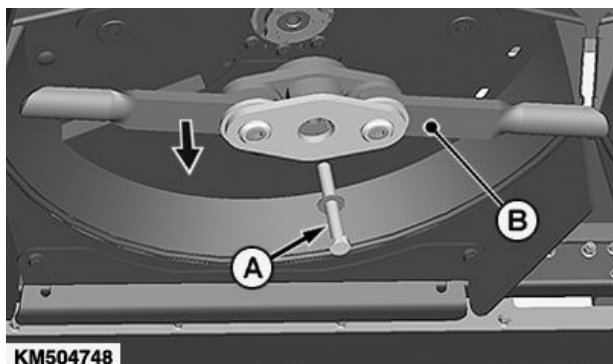
B—M10 Screws



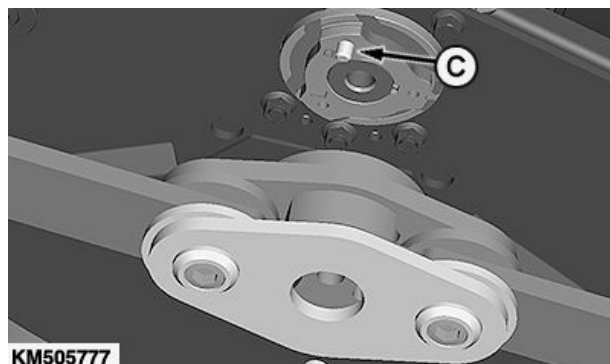
KM1000828 —UN—26MAR09

KM00321,0000967 -19-04JUN19-3/3

Install StalkBuster™ Rotors



KM504748 —UN—14APR21



KM505777 —UN—14APR21

1. Loosen cap screw (A) and remove rotor (B).
2. Install a new rotor.

*NOTE: The rotors on the left and right are different.
Pin (C) prevents incorrect assembly.*

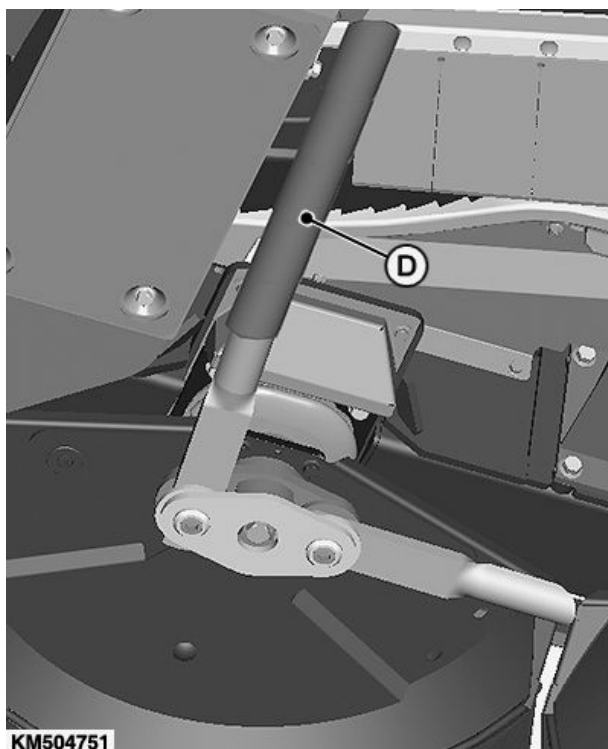
3. Secure the rotor against twisting by using a tube (D) with an inner diameter of at least 60 mm (2.36 in). Lay the tube (D) against the frame.
4. Tighten the cap screw (A) to the specified torque.

Specification

Cap Screw—Torque..... 215 N·m (159 lb-ft)

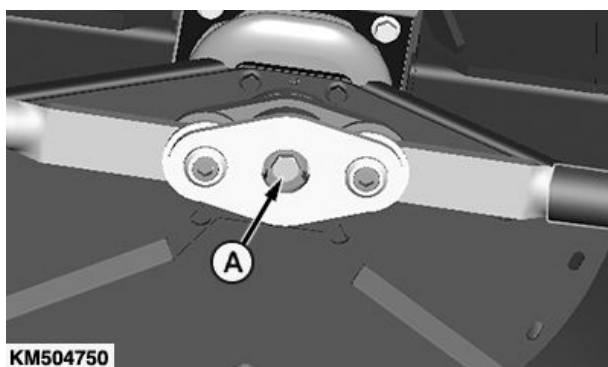
A—Cap Screw
B—Rotor

C—Pin
D—Tube



KM504751

KM504751 —UN—14APR21



KM504750

KM504750 —UN—14APR21

Continued on next page

km00321,1687519841591 -19-23JUN23-1/2

Replace the Vanes

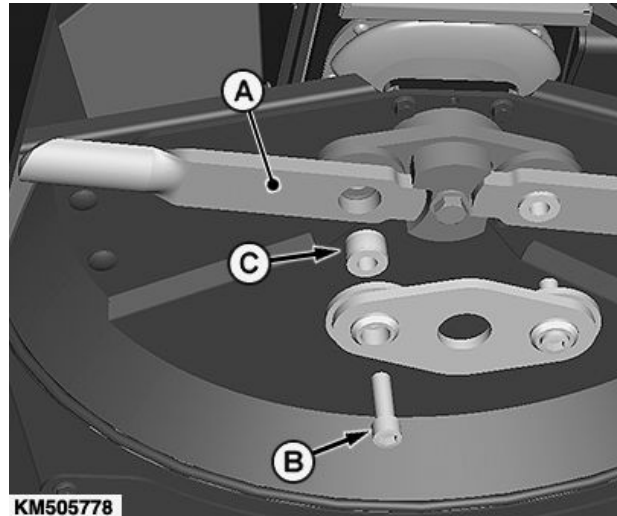
1. Loosen hex socket screws (B) and remove vane (A).
2. Check hex socket screws (B) and bushing (C) for signs of wear. Replace as necessary.
3. Install a new vane.
4. Install and tighten the hex socket screws (B) to specification.

Specification

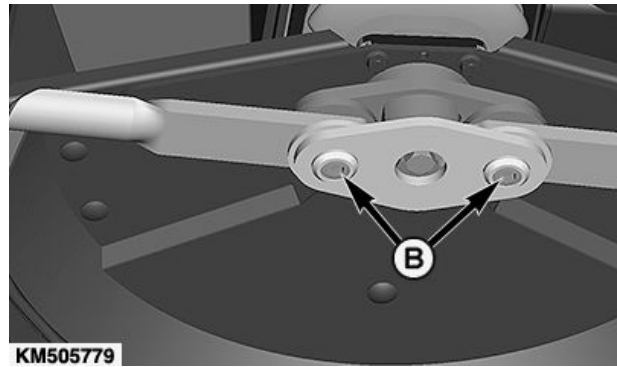
Hex Socket
Screw—Torque..... 215 N·m (159 lb·ft)

A—Vane
B—Hex Socket Screw

C—Bushing



KM505778 —UN—14APR21



KM505779 —UN—14APR21

km00321,1687519841591 -19-23JUN23-2/2

Replacing Automatic Driveline Coupler

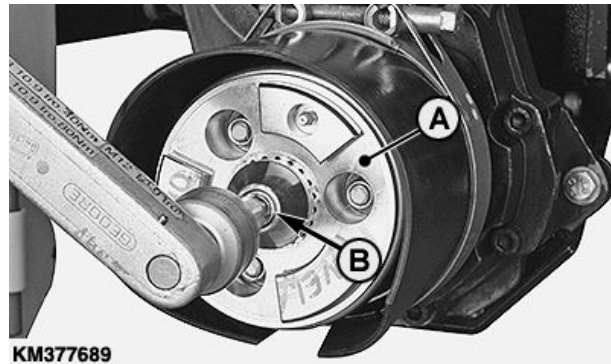
If replacing automatic driveline coupler (A), insert socket head screw (B) with Loctite® 243 and tighten to specified torque.

Specification

Socket Head
Screw—Torque..... 95 N·m (70 lb·ft.)

A—Automatic Driveline
Coupler

B—Socket Head Screw



KM377689 —UN—18APR19

km00321,1681827097838 -19-18APR23-1/1

Disassembling Automatic Driveline Coupler (8000 and 9000 Series Forage Harvester)

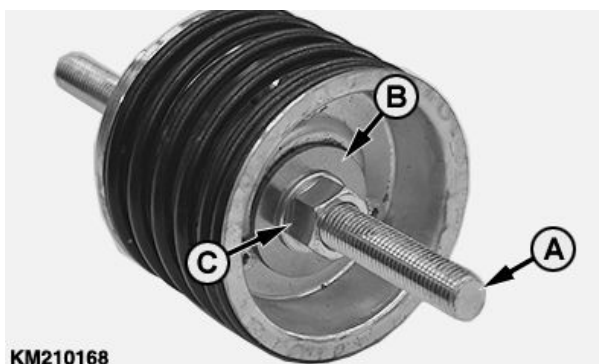
CAUTION: Risk of serious injury. Automatic driveline coupler is spring-loaded. Pay extreme attention when disassembling coupler.

When disassembling automatic driveline coupler, coupler must be pre-tensioned. Proceed as follows:

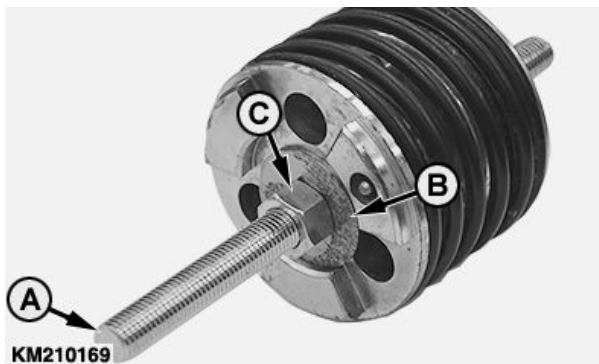
- Install threaded rod (A) with shims (B) and nuts (C) as shown.
- Tighten nuts (C) slightly until nuts (D) are free of load.
- Loosen and remove nuts (D).
- Loosen nuts (C) and disassemble coupler.

A—Threaded Rod
B—Shim

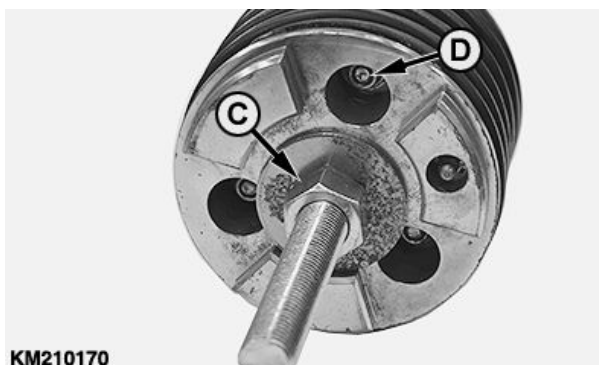
C—Nuts
D—Nuts



KM210168



KM210169



KM210170

KM210168—UN—21MAR14

KM210169—UN—21MAR14

KM210170—UN—21MAR14

KM00321,00008DD -19-08MAR19-1/1

Adjusting Divider Points

In order to prevent plugging and crop losses, the divider points (A) have to be properly adjusted.

Always keep distance (X) between 3 and 7 mm (0.12 and 0.27 in.).

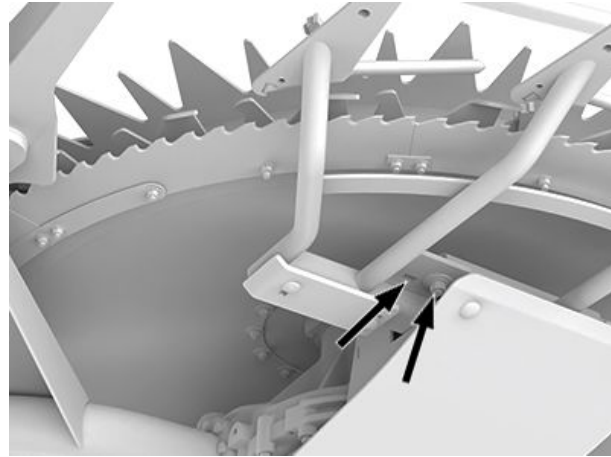
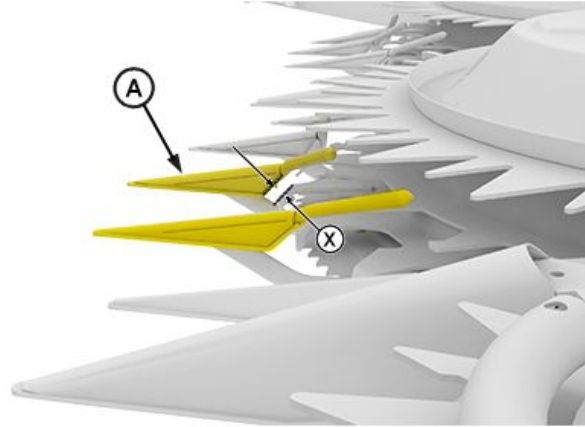
The specified distance (X) can be adjusted by means of two slot holes (see arrows).

Specification

Divider points and big drums—Distance from each other.....	3 to 7 mm
	0.12 to 0.27 in.

A—Divider Point

X—3 to 7 mm (0.12 to 0.27 in.)



KM574680 —UN—28APR23

KM574681 —UN—28APR23

km00321,1681978493000 -19-28APR23-1/1

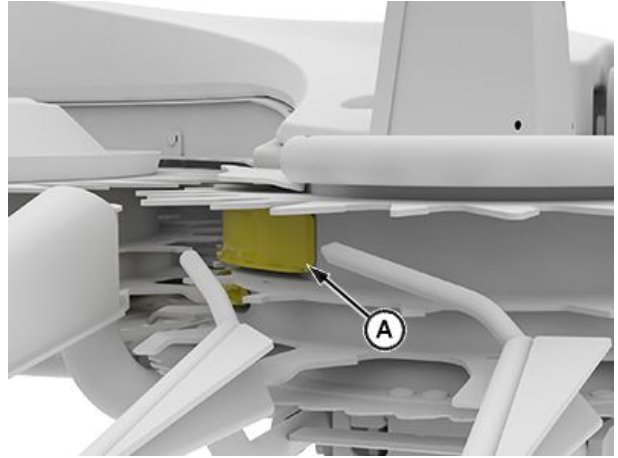
Checking Adjustment of Scrapers

In order to prevent plugging in the feeding channel, set scrapers (A) as close as possible to the gathering drums. The scrapers might touch the drums slightly.

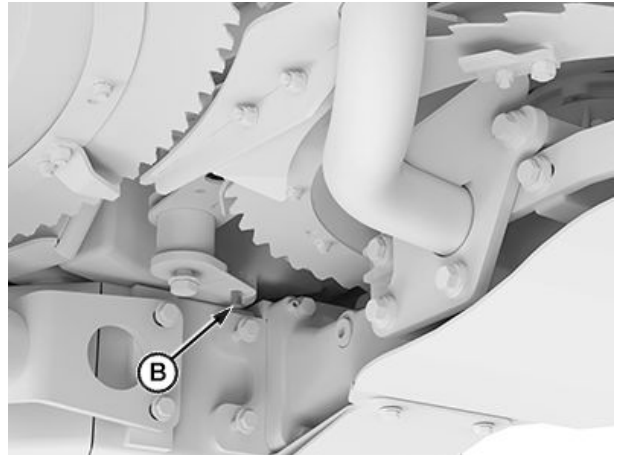
The scraper (A) is adjustable thanks to slot holes (B).

A—Scraper

B—Slot Hole



KM575575 —UN—28APR23



KM575576 —UN—28APR23

km00321,1687520637235 -19-23JUN23-1/1

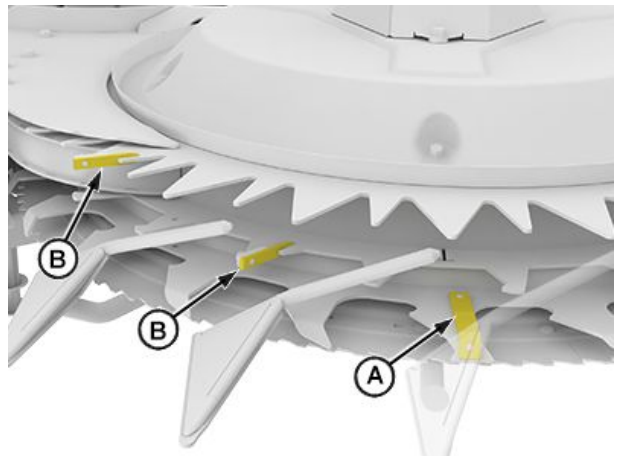
Checking Cleaners

Check condition of the cleaners (A) and (B) frequently, replace if necessary.

Damaged cleaners unnecessarily burden the drive and may cause malfunction of the rotary harvesting unit.

A—Cleaner

B—Cleaner



KM575577 —UN—28APR23

km00321,1687520936378 -19-23JUN23-1/1

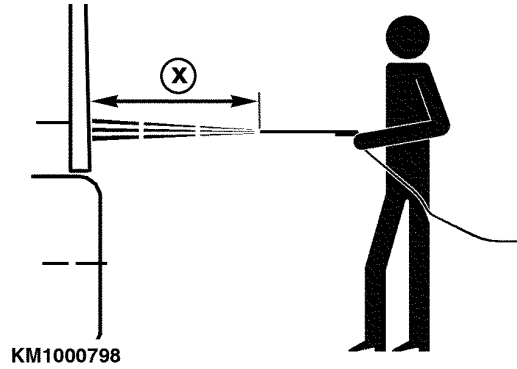
Cleaning Rotary Harvesting Unit

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

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

Specification

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



KM1000798

X—250 mm (9.84 in.)

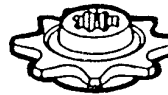
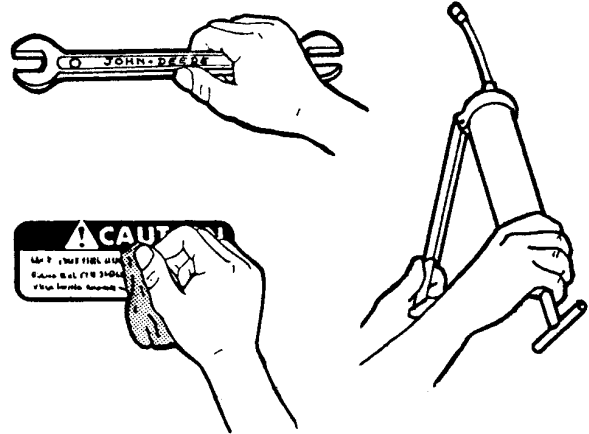
KM1000798 —UN—09MAR09

KM00321,000014A -19-26MAR09-1/1

Storage

Storing at End of Harvesting Season

- Store the rotary harvesting unit in a dry place. If possible, store on level surface.
- Clean the rotary harvesting unit carefully and check all the slip clutches. Make any re-adjustments that may be necessary. In the "Service" section, see "Relieving Pressure on the Slip Clutches in the Main Drive".
- Lubricate the rotary harvesting unit or drain oil as indicated.
- Check the rotary harvesting unit for damaged or worn parts and replace them as necessary. For more detailed checks, see your John Deere dealer.
- Touch up the paintwork if required, and clean the decals.



CC 7615

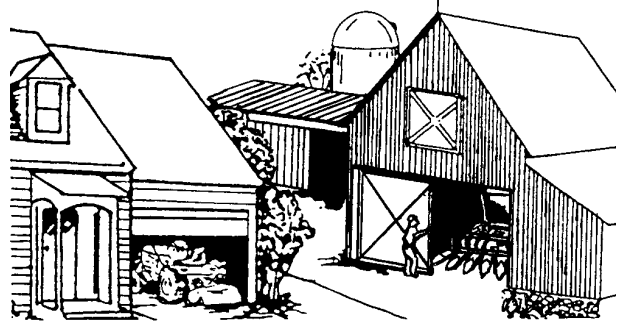


CC7615 —UN—21MAR95

OUKM001,0000015 -19-15FEB05-1/1

Start of New Season

- If necessary, thoroughly clean the rotary harvesting unit.
- Lubricate the rotary harvesting unit and perform any service work that is due before the start of the harvesting season. See "Lubrication and Periodic Service".
- Check tightness of all hardware.
- Check that the outer units of the rotary harvesting unit can be unfolded and folded correctly.
- Review your operator's manual.



CC7616

CC7616 —UN—21MAR95

OUKM001,0000016 -19-15FEB05-1/1

Specifications

Machine Design Life

This machine is designed and manufactured to provide a long life of productive operation, however actual attainable life depends on a number of factors including the severity of working conditions and completion of recommended maintenance. (See the Service section of this manual.)

Periodically inspect and review the machine in conjunction with your John Deere dealer. The review may result in recommendations for service, component repair,

remanufacture or replacement, or, if at the end of life, that the machine be removed from operation. (See separate decommissioning section of this manual for information on disposal and recycling of machine components.)

No machine should be operated if safety-related components are missing or in need of service. All missing or damaged safety-related components, including safety signs, should be repaired or replaced before operating.

DX,MACH,DESIGN,LIFE -19-14SEP15-1/1

460^{pro} StalkBuster™ Rotary Harvesting Unit

Drive system	oil-bath transmission with safety clutch
Harvesting system	cutting system with 4 high-speed rotating blades and 8 mulching units
Crop conveyor	4 slowly rotating gathering drums, 2 oblique feed drums
Weight	3320 kg (7319 lb.)
Width	
Transport width	3.30 m (10 ft. 9.9 in.) ^a
Operating width	6.00 m (19 ft. 8.2 in.) ^a
Overall width	6.05 m (19 ft. 10.2 in.) ^a
Height	
Working height	1.81 m (5 ft. 11.3 in.) ^a
Transport height	2.95 m (9 ft. 8.1 in.) ^a
Length	2.90 m (9 ft. 6.2 in.)
Max. operating speed	15 km/h (9.32 mph)

^aAll dimensions are nominal dimensions. Actual dimensions may vary from case to case.

km00321,1687521062149 -19-03JUL23-1/1

Sound Level

Max. sound level at operator's ear in accordance with DIN ISO 11204. Measurement method in accordance with ISO

5131 with rotary harvesting unit attached to the forage harvester and cab closed (average value):

460^{pro} StalkBuster™ 76.1 dB(A)

km00321,1687521098937 -19-23JUN23-1/1

EU Declaration of Conformity

Maschinenfabrik Kemper GmbH & Co. KG
Breul
D-48703 Stadthohn, Germany

The undersigned hereby declares that:

Machine Type: Rotary Harvesting Units

Model: 460^{PRO} StalkBuster™

fulfill(s) all relevant provisions and essential requirements of the following directives:

DIRECTIVE	NUMBER	CERTIFICATION METHOD
Machinery directive	2006/42/EC	Self-certification

The product is in conformity with the following standards and/or other normative documents:

Agricultural Machinery Safety—Part 1	DIN EN ISO 4254-1
Agricultural Machinery Safety—Part 7	DIN EN ISO 4254-7
Agricultural Machinery Safety—Part 12	DIN EN ISO 4254-12
Machine safety	DIN EN ISO 12100
Safety of Power take-off (PTO) drive shafts and their guards	DIN EN 12965

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

Maschinenfabrik KEMPER GmbH & Co. KG
 Customer Support
 Breul
 D-48703 Stadthohn, Germany
 service@kemper-stadthohn.de

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Place of Declaration: 48703 Stadthohn, Germany

Date of Declaration: 01 July 2023

Manufacturing Unit: Kemper, Stadthohn, Germany

DXCE01 —UN—28APR09

KM510637 —UN—18JUN21



Richard Wübbels, Manager Product Engineering

km00321,1687521214220 -19-23JUN23-1/1

UK Declaration of Conformity

Maschinenfabrik Kemper GmbH & Co. KG
Breul
D-48703 Stadtlahn, Germany

The undersigned hereby declares that:

Machine Type: Rotary Harvesting Units

Model: 460^{PRO} StalkBuster™

fulfill(s) all relevant provisions and essential requirements of the following UK regulations:

REGULATION	NUMBER	CERTIFICATION METHOD
Machinery Directive	S.I. 2008/1597	Self-certification

The product is in conformity with the following standards and/or other normative documents:

Agricultural Machinery Safety—Part 1	DIN EN ISO 4254-1
Agricultural Machinery Safety—Part 7	DIN EN ISO 4254-7
Agricultural Machinery Safety—Part 12	DIN EN ISO 4254-12
Machine safety	DIN EN ISO 12100

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

Maschinenfabrik KEMPER GmbH & Co. KG
Customer Support
Breul
D-48703 Stadtlahn, Germany
service@kemper-stadtlahn.de

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Place of Declaration: 48703 Stadtlahn, Germany

Date of Declaration: 01 July 2023

Manufacturing Unit: Kemper, Stadtlahn, Germany

RXA0179545 —UN—16APR21

KM510637 —UN—18JUN21



Richard Wübbels, Manager Product Engineering

km00321,1687521329675 -19-23JUN23-1/1

Serial Number

Rotary Harvesting Unit Serial Number Plate

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

John Deere

Constr. year

Model year

CE UK EAC

Maschinenfabrik
Kemper GmbH & Co KG
48703 Stadthorn

Weight KG

Max. axle load KG

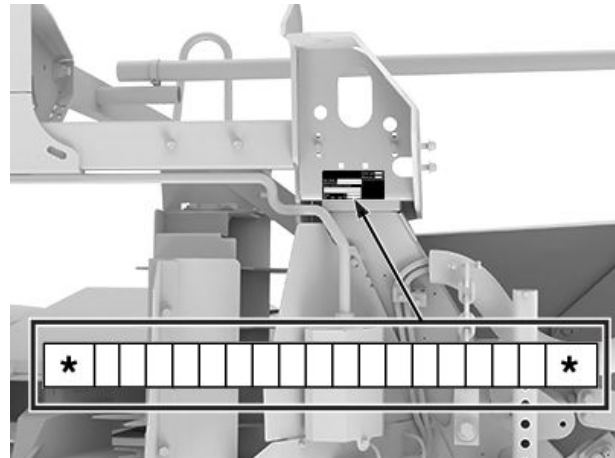
KM521562

KM521562 —UN—15DEC21

KM00321.0000C34 -19-13OCT21-1/1

Serial Number

When ordering parts, always quote the rotary harvesting unit serial number. The serial number is on the plate at the right-hand side of the attaching frame. Record the number in the space provided opposite.



KM575579 —UN—28APR23

KM00321.00003B2 -19-28APR23-1/1

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.



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

TS100 —UN—23AUG88

The Right Tools

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



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

TS101 —UN—23AUG88

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!



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

TS102 —UN—23AUG88

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.



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

TS103 —UN—23AUG88

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