

460^{pro} StalkBuster™ Rotary Harvesting Unit



OPERATOR'S MANUAL
**460pro StalkBuster™ Rotary
Harvesting Unit**
OMKM136500 ISSUE D4 (ENGLISH)

Maschinenfabrik Kemper GmbH & Co. KG

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Introduction

Foreword

READ THIS OPERATOR'S 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 user must be entitled to drive a forage harvester on public roads. This manual and safety signs on your machine are available in other languages. To order, see your KEMPER dealer.

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 HAULAGE 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 KEMPER 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 corn, elephant grass or bamboo
- thin-stemmed types of plant such as grain crop, 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 beets
- 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 materials 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 MUST NOT be operated in the United States and Canada.

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Trademarks

List of trademarks used throughout this Operator's Manual.

Trademarks	
Loctite®	Registered trademark of Henkel Corporation
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)

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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.

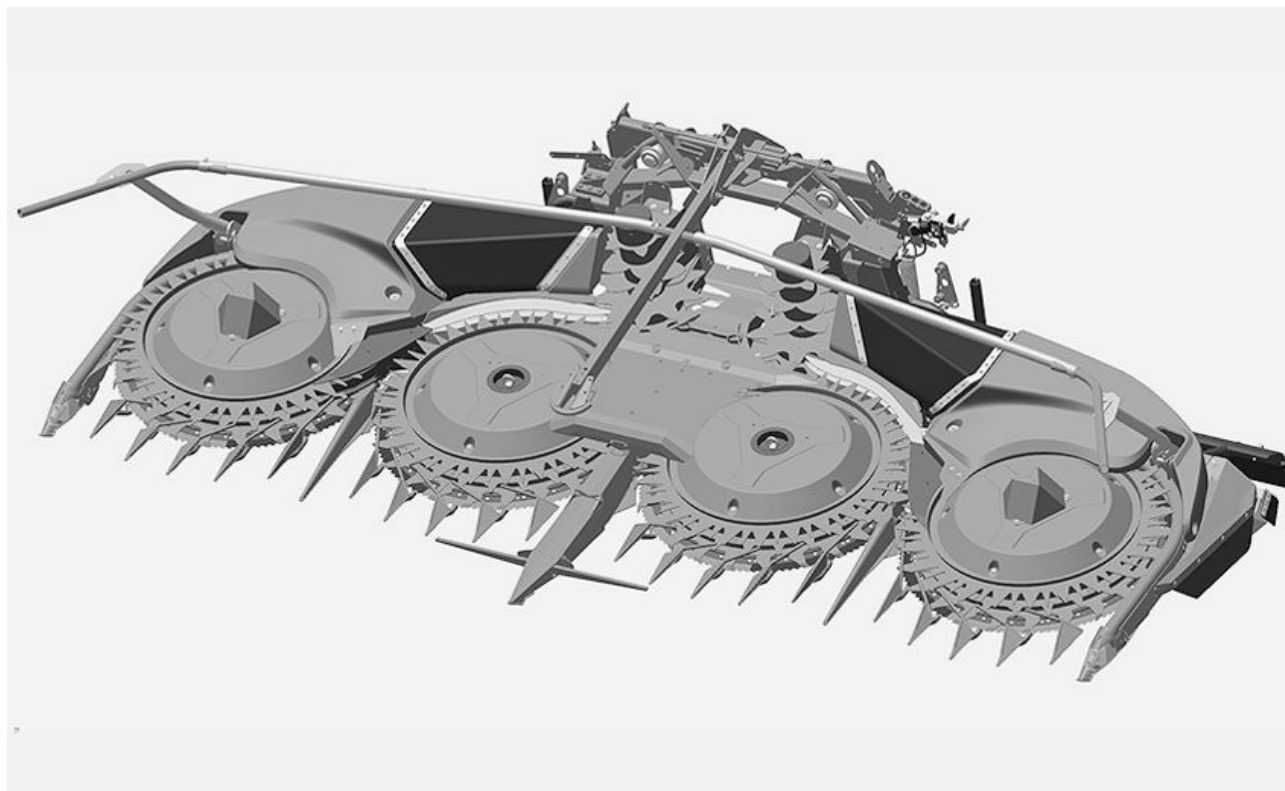
(Signature of Technician)

(Signature of Customer)

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Identification View

Identification View



460^{Pro} StalkBuster™ Rotary Harvesting Unit

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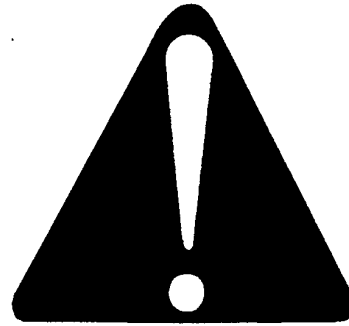
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Safety

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.



T81388 —UN—28JUN13

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

Follow Safety Instructions

Carefully read all safety messages in this manual and on your machine safety signs. Keep safety signs in good condition. Replace missing or damaged safety signs. Be sure new equipment components and repair parts include the current safety signs. Replacement safety signs are available from your KEMPER dealer.

Before you start working with the machine, 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 KEMPER dealer.



TS201 —UN—15APR13

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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



▲ WARNING

▲ CAUTION

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

TS187 —19—30SEP88

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

Observe Road Traffic Regulations

Always observe local road traffic regulations when using public roads.



H28830 —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.

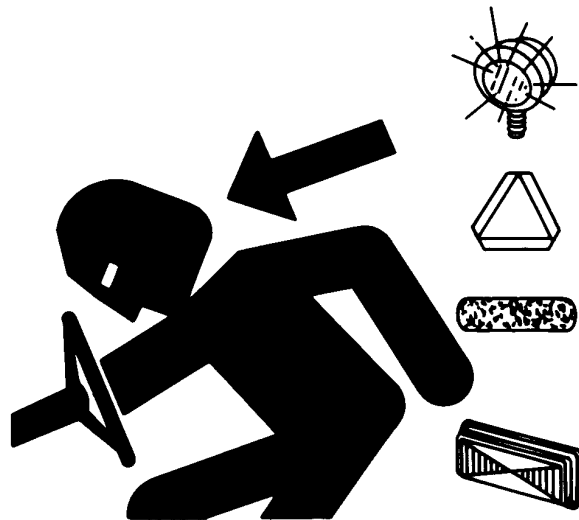
- Never allow a child or an untrained person to operate the machine. Instruct all operators not to give children a ride on the machine or an attachment.
- Never operate machine when distracted, fatigued, or impaired. Proper machine operation requires the operator's full attention and awareness.

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

Use Safety Lights and Devices

Prevent collisions with other road users. Slow moving tractors with implements or drawn equipment, as well as self-propelled machines are especially dangerous on public roads. Always pay attention to traffic approaching from behind, particularly when changing direction. Provide for safe traffic conditions by using turn signals.

Use headlights, hazard warning lights, turn signals and other safety devices according to the local regulations. Keep safety devices in good condition. Replace missing or damaged items.



TS951 —UN—12APR90

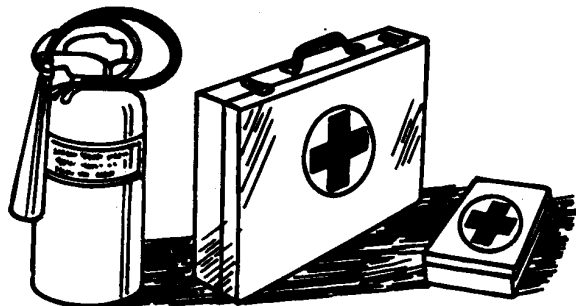
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Prepare for Emergencies

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

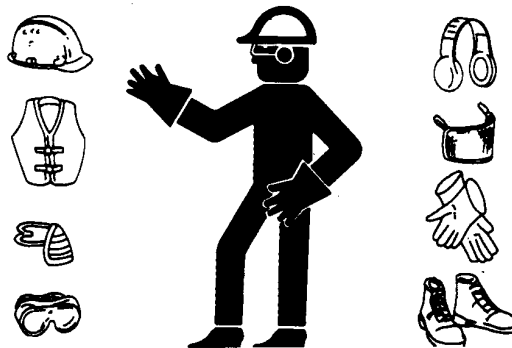
Wear Protective Clothing

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.

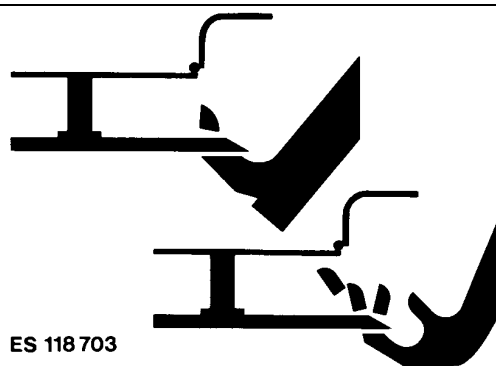
FX,READY -19-28FEB91-1/1

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.



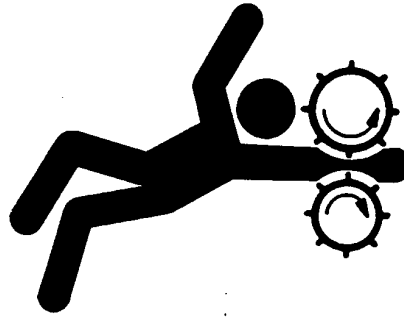
TS1644 —UN—22AUG95

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

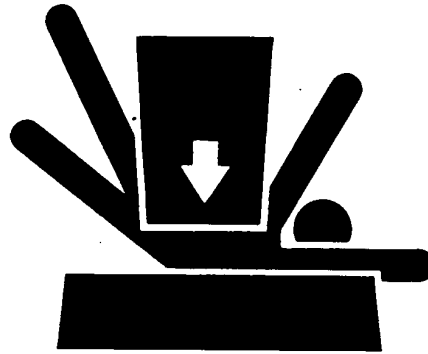
DX, LOOSE -19-04JUN90-1/1

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.

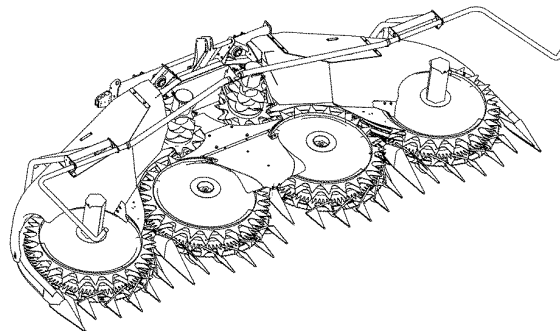


TS229 —UN—23AUG88

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.



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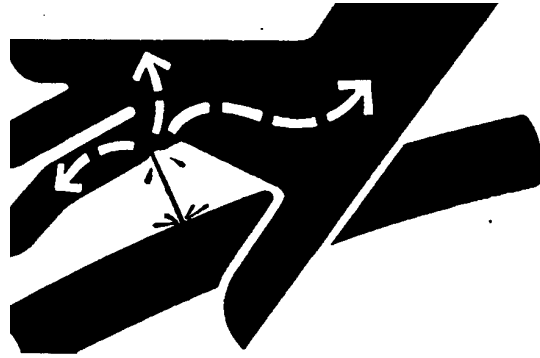
Avoid High-Pressure Fluids

Escaping oil under pressure can have sufficient pressure to penetrate the skin, causing serious personal injury.

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

Hydraulic oil escaping from pin-holes is difficult to detect, so use a piece of cardboard to search for leaks. 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.

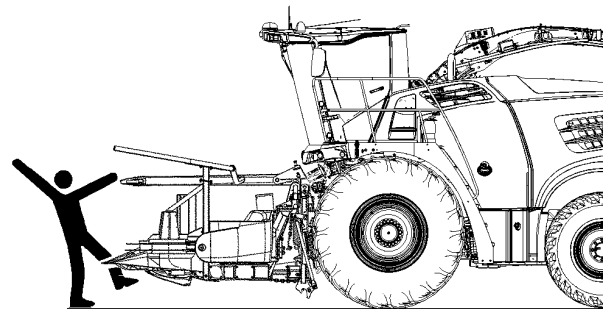


X9811 —UN—23AUG88

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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.



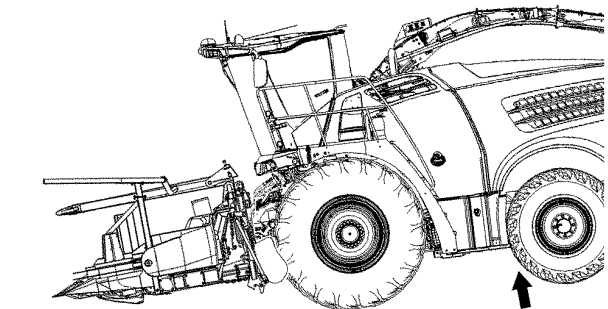
KM232861

KM232861 —UN—10FEB15

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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

KM232862 —UN—10FEB15

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

Remove Paint Before Welding or Heating

Avoid potentially toxic fumes and dust.

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

Remove paint before heating:

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

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



TS220 —UN—15APR13

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

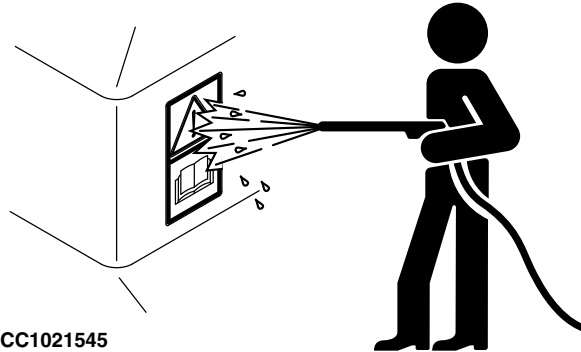
Dispose of paint and solvent properly.

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

Avoid High-Pressure Jet on Safety Decals

The water jet can remove or damage safety decals. Avoid to direct the water jet on safety decals.

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



CC1021545

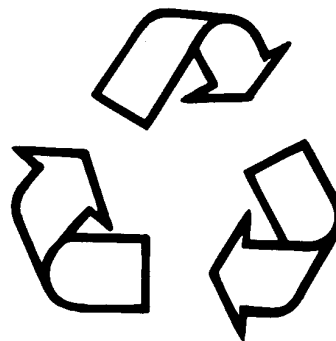
CC1021545 —UN—23APR02

km00321,1682084404506 -19-21APR23-1/1

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);



TS1133 —UN—15APR13

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 Kemper dealer for information on the proper way to recycle or dispose of waste.

km00321,1682084326854 -19-21APR23-1/1

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.



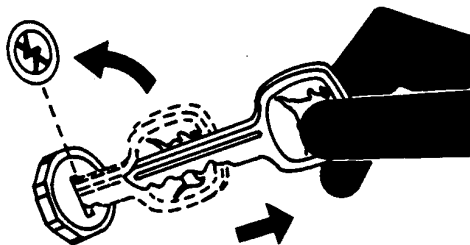
TS207 —UN—23AUG88

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

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 Kemper specifications.



TS779 —UN—08NOV89

km00321,1690376134164 -19-26JUL23-1/1

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.



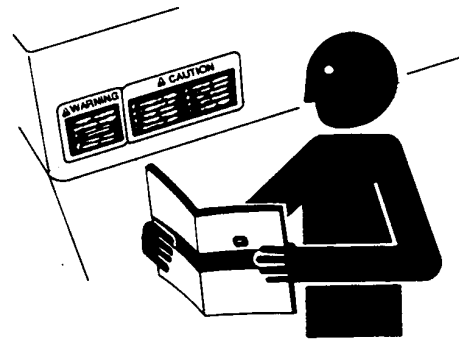
TS231 —19—07OCT88

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.

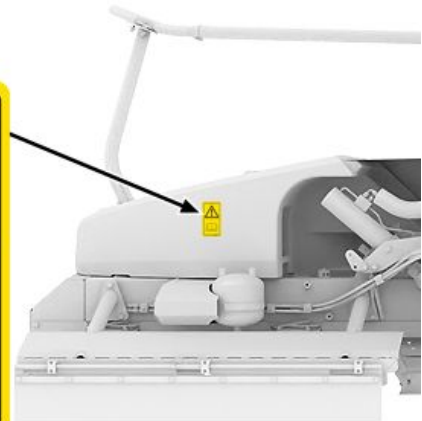


TS201 —UN—15APR13

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.

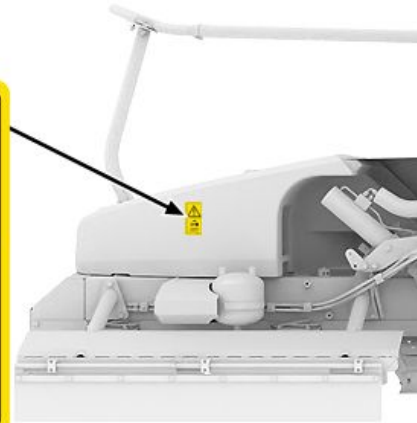


KM575599 —UN—29JUN23

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

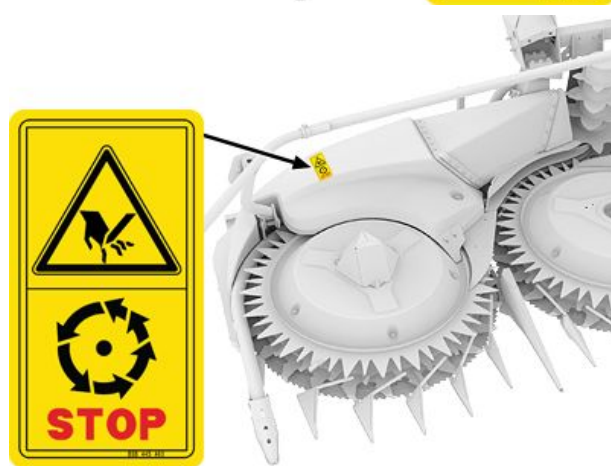
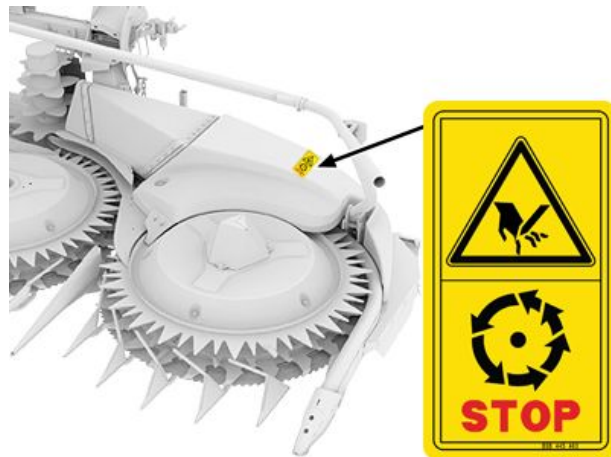
km00321,1688383310104 -19-03JUL23-1/1

Rotating Blades

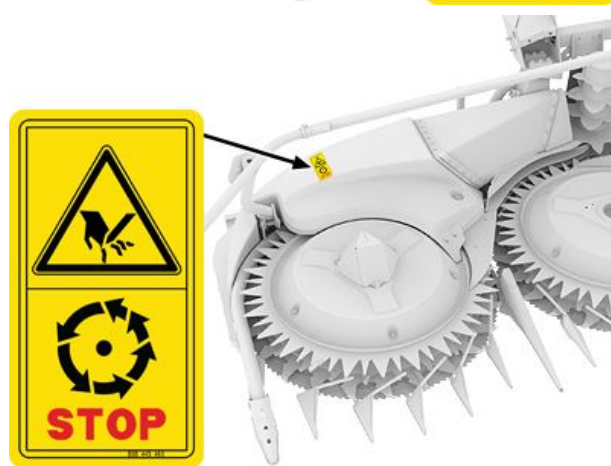
Do not touch any moving machine parts. Wait until all moving parts have stopped.

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

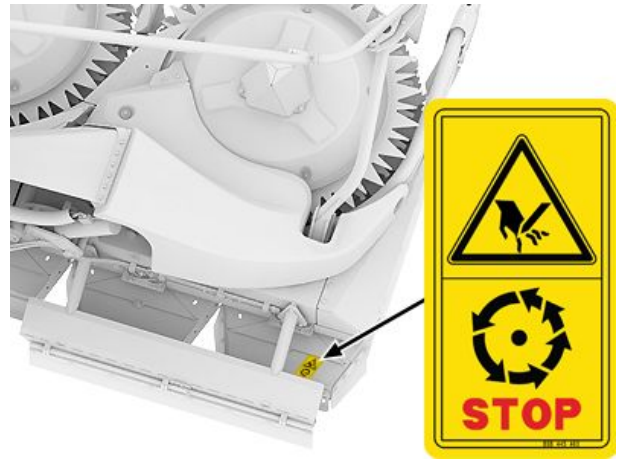
StalkBuster™ Mulching Units

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.



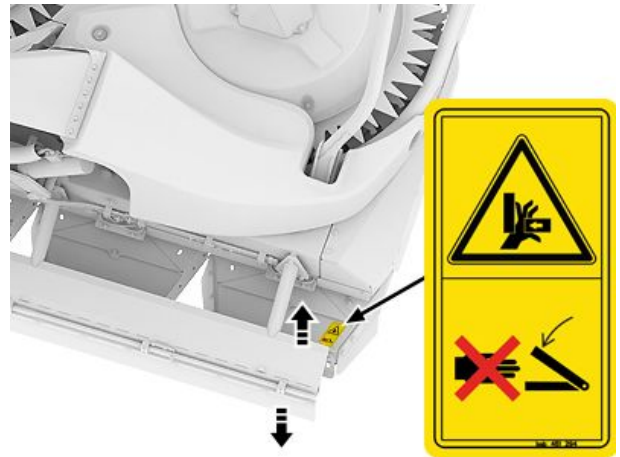
KM584035 —UN—29JUN23

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.

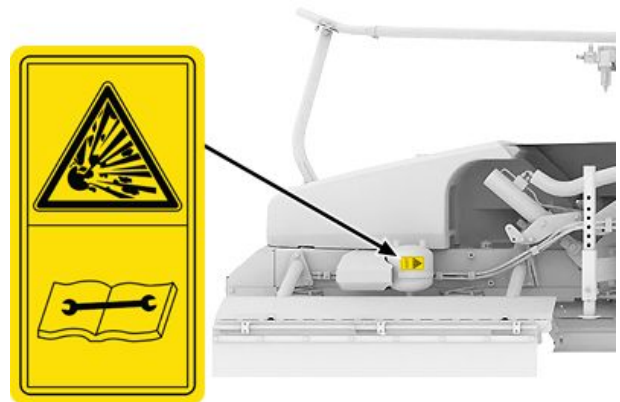


KM584036 —UN—29JUN23

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

Accumulator - StalkBuster™ Mulching Units

Avoid bodily injuries from air under pressure.



KM584037 —UN—29JUN23

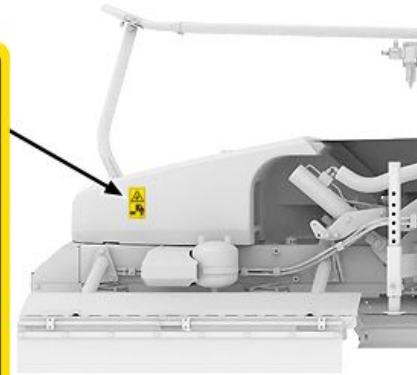
km00321,1688383787313 -19-03JUL23-1/1

Folding Area

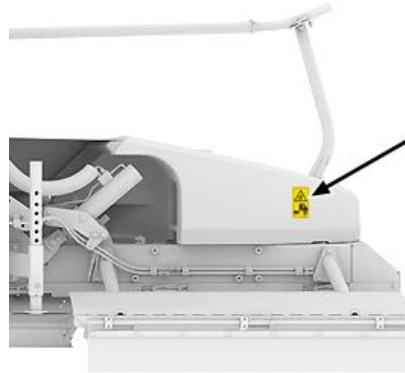
Stay clear of the folding area of the rotary harvesting unit.

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

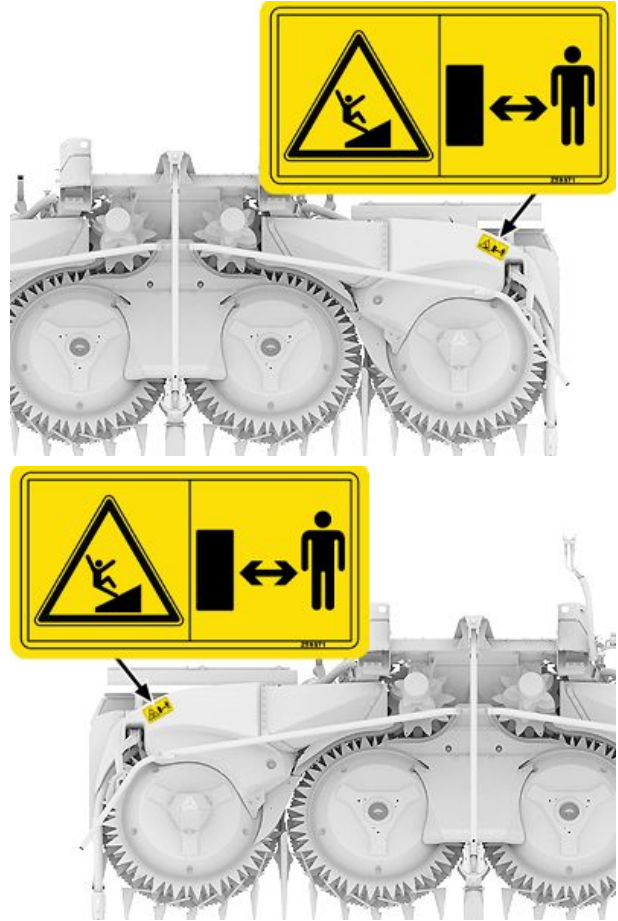


KM584039 —UN—29JUN23

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.



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

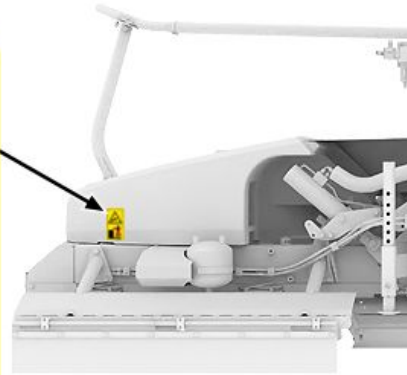
Rotating Drums

Stay clear of rotating drums to avoid personal injury.

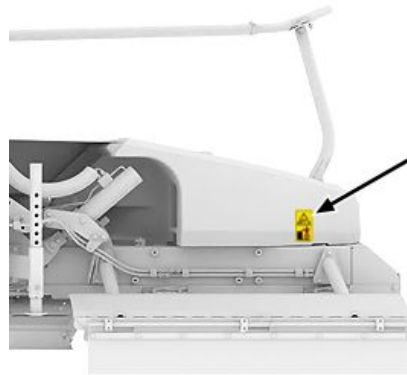
Arms, legs or loose clothing might become caught by the rotating drums when in operation.

Always keep the required safety distance from the rotating drums.

Wait until all moving parts have stopped.



KM584042 —UN—29JUN23



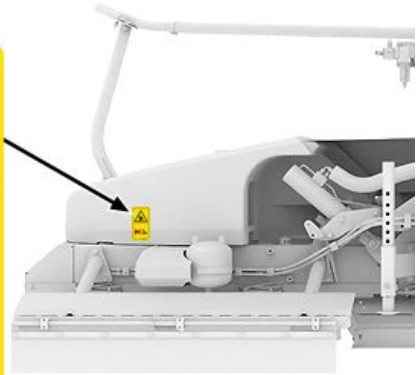
KM584043 —UN—29JUN23

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

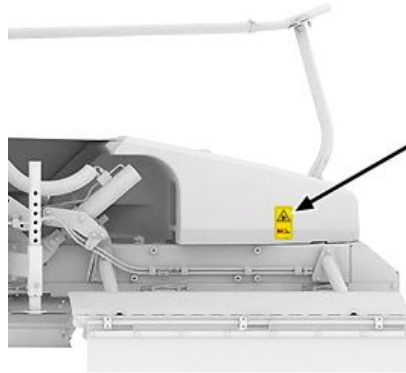
Foldable Frame

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

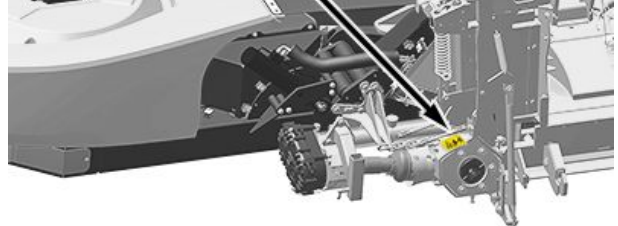
km00321,1688384294586 -19-03JUL23-1/1

Input Transmission

Input transmission can cause excessive heat.

Stay clear of hot surface.

Hot surface can cause serious burns.



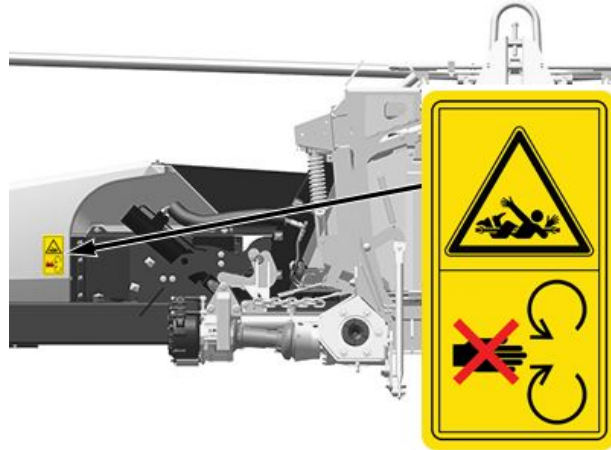
KM575591 — UN — 05MAY23

km00321,1683116449271 -19-03MAY23-1/1

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.



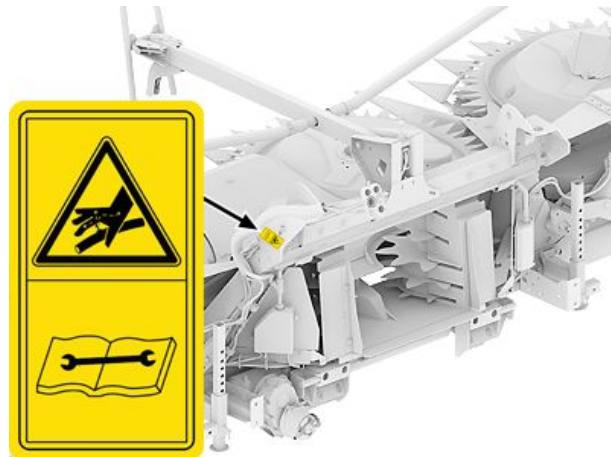
KM575590 —UN—03MAY23

km00321,1683115941761 -19-03MAY23-1/1

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 a 460pro and 475pro Rotary Harvesting Unit 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 -19-06FEB24-1/2

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.

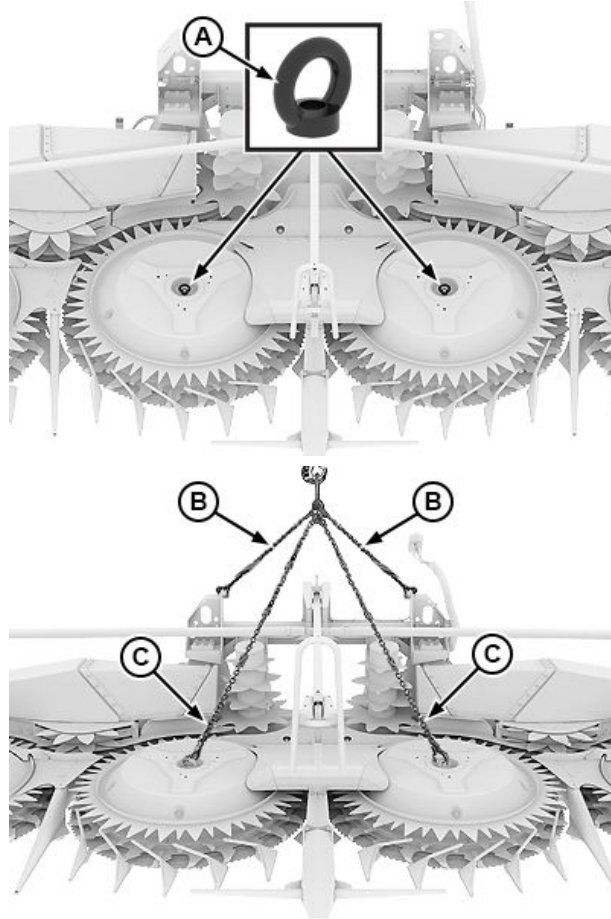
1. Remove the existing lifting eye nuts in the two center gathering drums and install the heavy-duty lifting eye nuts (A).

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.)

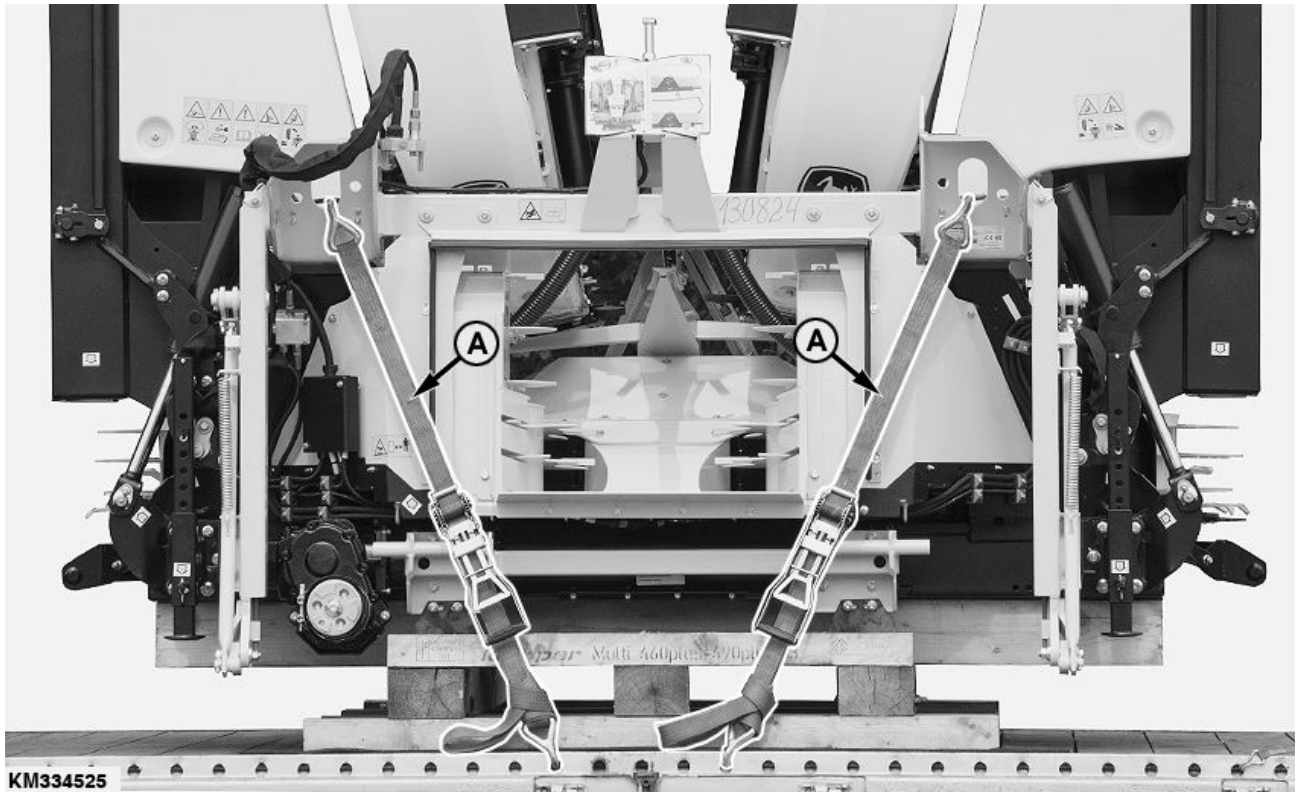


KM574655 —UN—28APR23

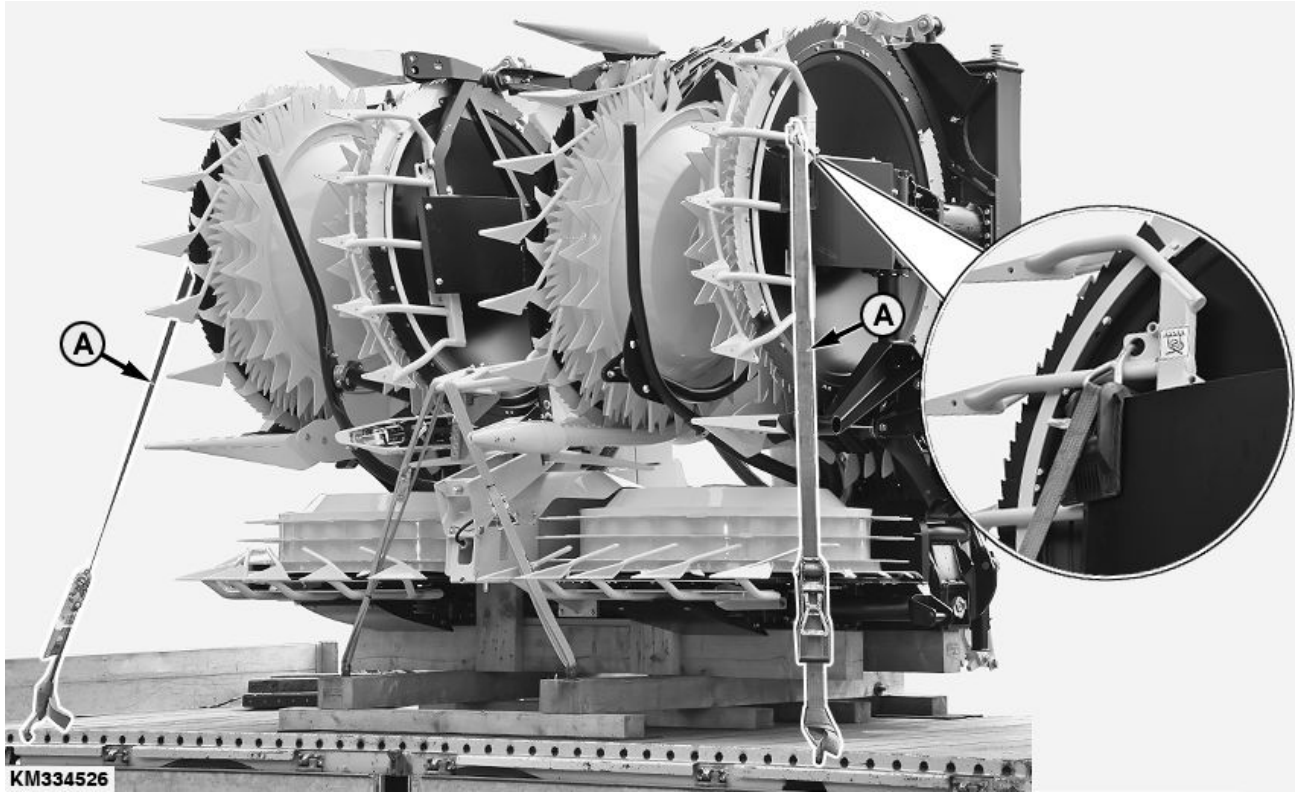
KM574656 —UN—28APR23

km00321,1681378041532 -19-06FEB24-2/2

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.

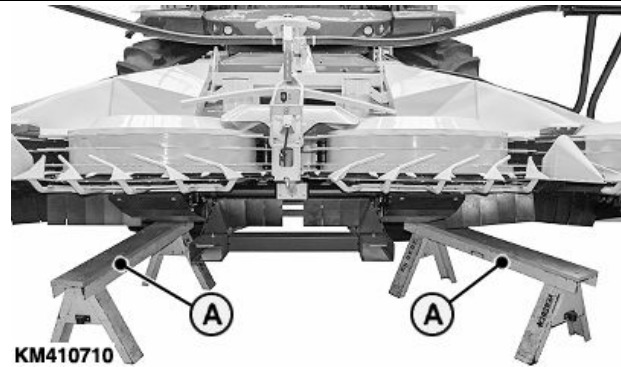
KM00321,0000038 -19-01SEP08-1/1

Working Under a Raised Rotary Harvesting Unit

CAUTION: Before working under a raised rotary harvesting unit, secure the cutterhead against unintentional lowering.

In addition, use support blocks (A).

A—Support Blocks



KM410710—UN—13MAY20

km00321,1689951194684 -19-21JUL23-1/1

Remove the Transport Pallet

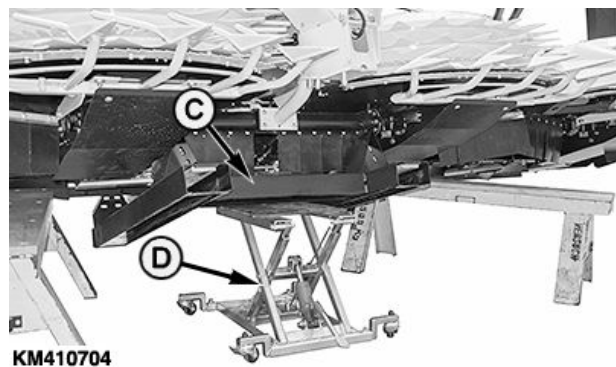
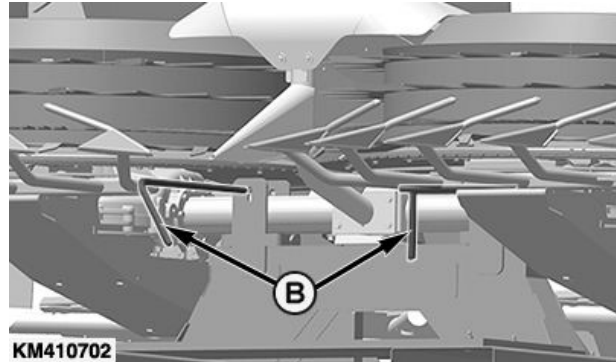
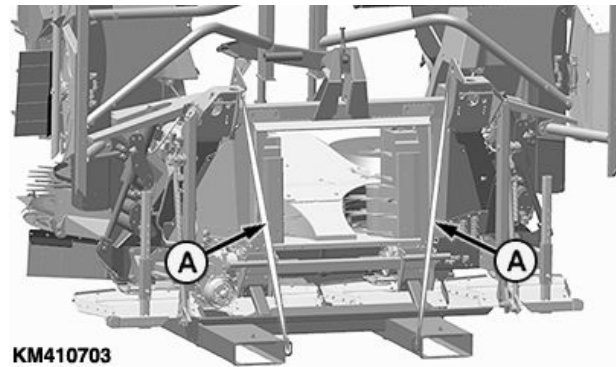
1. Remove the transport straps (A).
2. Raise the rotary harvesting unit.

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

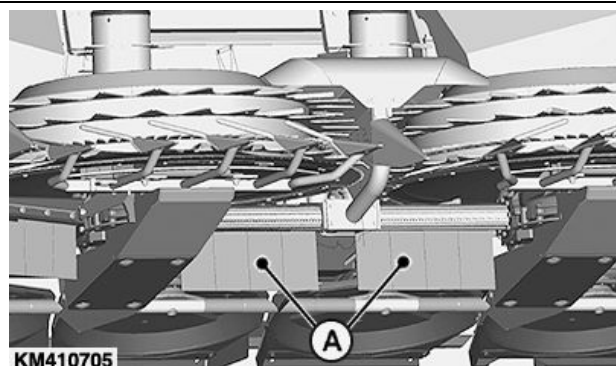
KM00321,0000A70 -19-07MAY20-1/1

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

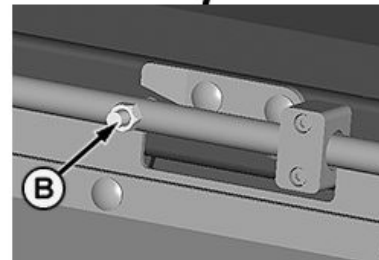
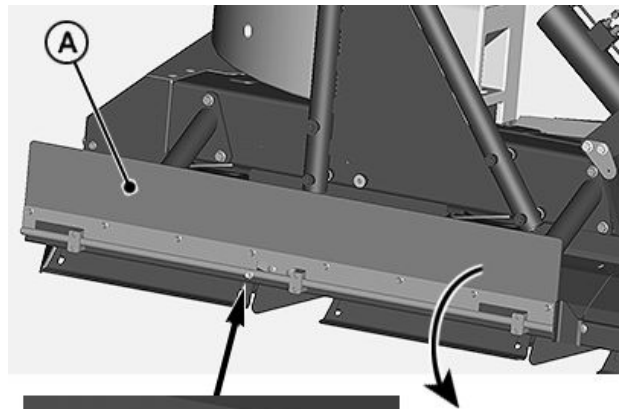
Set Outer Protective Bars into Operating Position

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

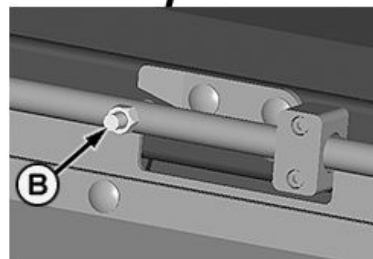
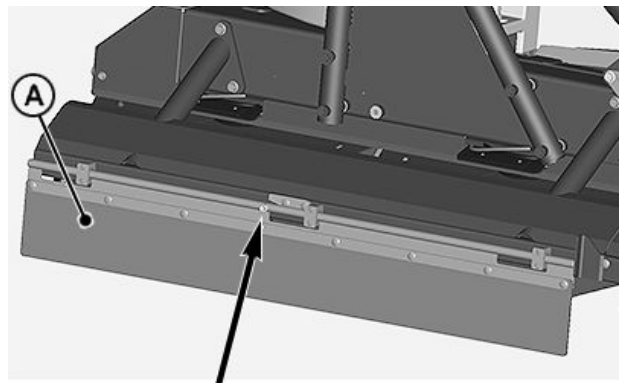
KM504745 —UN—14APR21

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

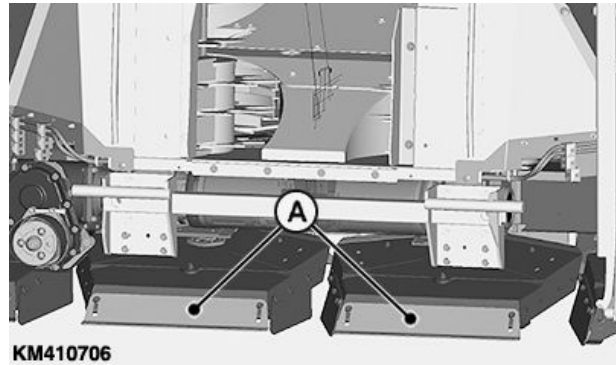
KM00321,0000B5B -19-11MAR21-2/2

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.

A—Scraper Plate



KM410706



KM378479

KM410706—UN—08MAY20

KM378479—UN—10OCT19

KM00321,0000A72 -19-21JUL23-1/1

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

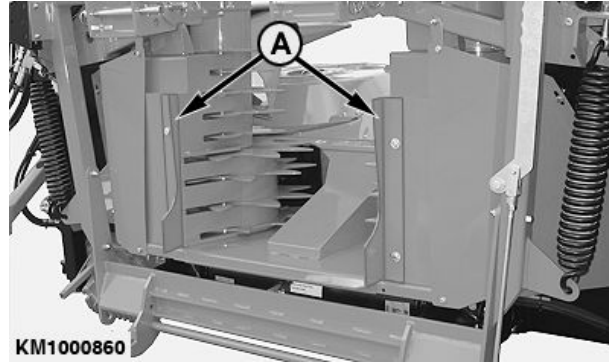
KM00321,0000A43 -19-30MAR20-1/1

Adapt the Scrapers to the Feed Passage

Before attaching the rotary harvesting unit to the forage harvester, ensure that the scrapers (A) match with the channel width of the forage harvester.

The scrapers (A) must be adjusted to the channel width of the relevant forage harvester.

A—Scraper



KM1000860 —UN—20MAY09

jzsgtac,1679408979224 -19-22MAR23-1/1

Attaching to a Claas Forage Harvester

Compatibility Chart

CAUTION: Before attaching the rotary harvesting unit to a forage harvester, carry out the

steps included in Section Preparing the Rotary Harvesting Unit.

The rotary harvesting unit is prepared for installation on the following Claas forage harvester types:

Rotary harvesting unit/CLAAS forage harvester compatibility chart

460pro StalkBuster™	930 Type 502
	940 Type 502
	950 Type 502
	960 Type 502
	970 Type 502
	980 Type 502
	990 Type 502

km00321,1689932124826 -19-21JUL23-1/1

Tire Combinations

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:

930-990 series forage harvesters (type 502)	
Front tire type	Rear tire type
900/60 R 32 Mitas SFT	600/65 R 28 Mitas IMP
900/60 R 32 Trelleborg TM 2000	600/65 R 28 Mitas IMP
900/60 R 32 Trelleborg TM 2000	600/65 R 28 Trelleborg
800/70 R 32 Michelin MEGAXBIB	600/65 R 28 Mitas IMP
800/70 R 32 Michelin MEGAXBIB	600/65 R 28 Trelleborg

When using a tire pressure system, larger tire combinations are recommended:

930-990 series forage harvesters (type 502)	
Front tire type	Rear tire type
800/70 R 38 Mitas SFT	620/70 R 30 Mitas
900/60 R 38 Mitas CHO	620/70 R 30 Mitas

km00321,1689932252297 -19-21JUL23-1/1

Ballasting Harvester

Before attaching the rotary harvesting unit, make sure harvester is ballasted correctly.

IMPORTANT: Always refer to the information given in Wheels and Ballast Section of the forage harvester operator's manual.

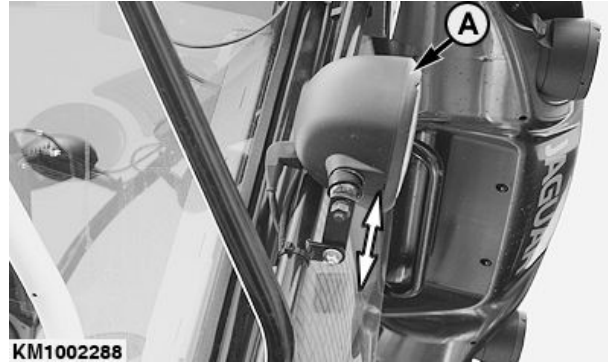
km00321,1689932347864 -19-21JUL23-1/1

Adjust Additional Headlights on Forage Harvester

IMPORTANT: When folding the rotary harvesting unit, there is a risk of collision with the forage harvester's auxiliary headlights (A).

To avoid a collision when folding the mower attachment, adjust the forage harvester's auxiliary headlights (A) as far outward as possible.

A—Auxiliary headlights



KM1002288 —UN—07MAY12

km00321,1689932444301 -19-21JUL23-1/1

Attaching to a Type 502 Forage Harvester with Variable Header Drive

Rotary harvesting units for the Claas type 502 forage harvesters are technically partially prepared for the variable header drive.

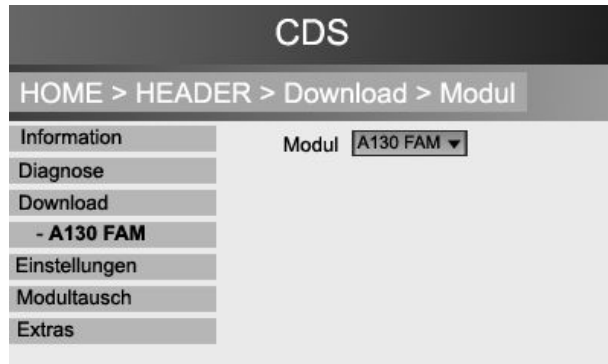
In addition, programming steps are required in the forage harvester software, which must be matched with Claas. Contact the Claas dealer concerning this.

IMPORTANT: To use the variable header drive, module A130FAM must be programmed for the header drive. Otherwise, the rotary harvesting unit can only be used with constant speed and the adjustment of the header speed is carried out via the Kemper multi-speed gearbox.

NOTE: For rotary harvesting units that are equipped for mounting a support wheel, first it is necessary to delete the existing software on the rotary harvesting unit module. Then the module name A130FAM is visible.

Programming of the A130FAM module takes place via the forage Harvester. To do so, proceed as follows:

1. Attach the rotary harvesting unit to the forage harvester.
2. Connect the forage harvester to a computer and start the Claas Diagnostics System (CDS).
3. Select the A130FAM module for programming the rotary harvesting unit.



KM359969 —UN—22FEB19

Continued on next page

km00321,1689932568697 -19-21JUL23-1/5

4. When entering a serial number, enter **released by Claas**.

IMPORTANT: Enter a serial number of a rotary harvesting unit that corresponds to the working width of the Kemper rotary harvesting unit.

CDS

HOME > HEADER > Einstellungen > Konfiguration > ändern

Information	Maschinennummer:	460plus/pro
Diagnose	Verkaufstyp:	Orbis 900
Download		
Einstellungen		
↓ Konfiguration		
- anzeigen		
- ändern		

KM359968 —UN—22FEB19

km00321,1689932568697 -19-21JUL23-2/5

IMPORTANT: The following entries must be released by Claas.

5. Use the old Orbis types when selecting the type of machine.

NOTE: For example, in the case of an Orbis 900, select type 992 and not type 153 (see illustration).

6. Depending on the model of the mower attachment, select following settings:

CDS

HOME > HEADER > Download > Modul

Information	Maschinentyp	992 ▼
Diagnose	657 / 149	ORBIS 450
Download	658 / 150	ORBIS 600
- Modul	151	ORBIS 606
Einstellungen	141 / 154	ORBIS 635
Modultausch	659 / 152	ORBIS 750
Extras	992 / 153	ORBIS 900

KM359967 —UN—22FEB19

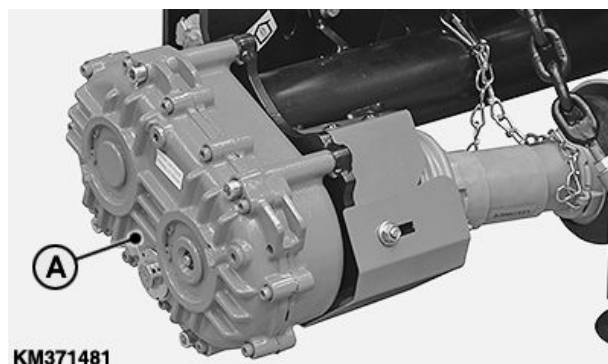
Rotary harvesting unit model	Machine type	Transmission	Transport system
460plus/pro Stalk-Buster™ without support wheel	Orbis 600	3 speed transmission	No transport system
460plus/pro StalkBuster™ with support wheel	Orbis 750	3 speed transmission	Transport wagon

IMPORTANT: Additionally, select the setting "variable drive" for each type.

km00321,1689932568697 -19-21JUL23-3/5

7. Shift the multi speed gearbox (A) on the cutting attachment in the 3. gear (see **Adjusting Gear Selection with Multi Speed Gearbox for CLAAS Forage Harvesters** in the section Operating the Rotary Harvesting Unit).

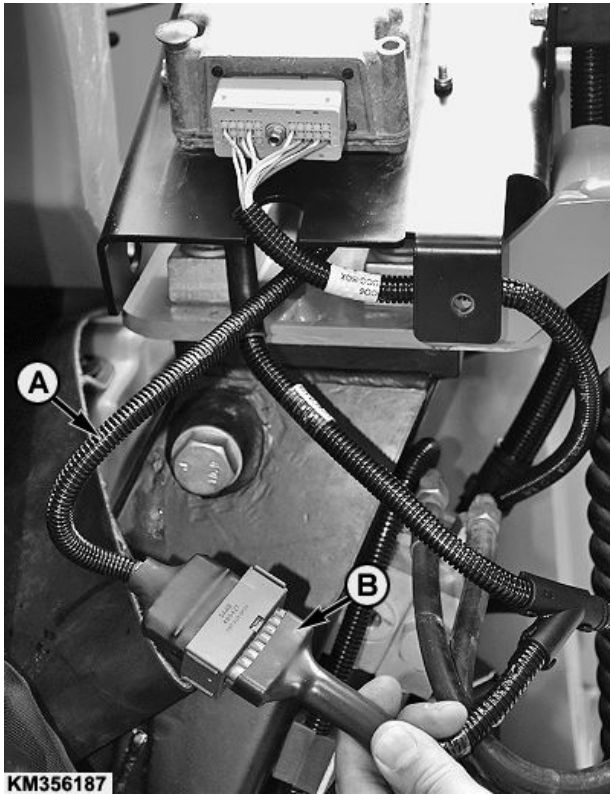
A—Multi-Speed Transmission



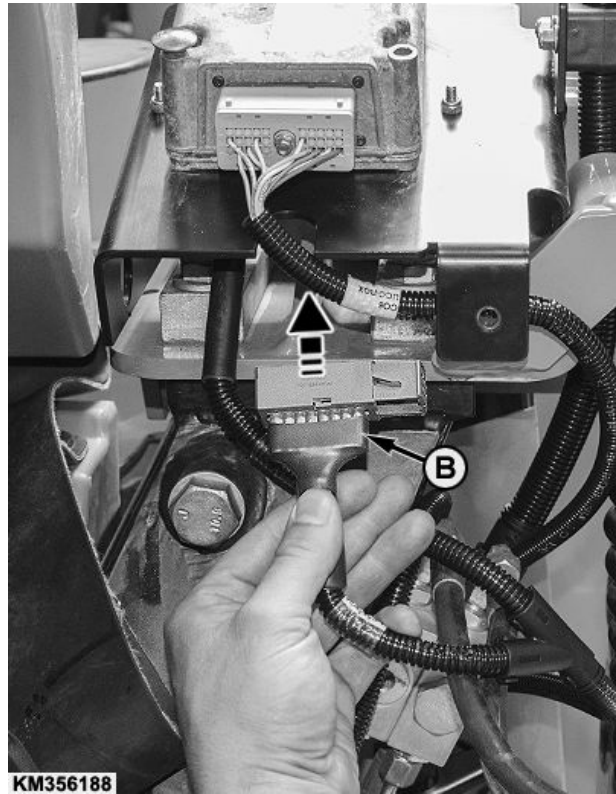
KM371481 —UN—14MAR19

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km00321,1689932568697 -19-21JUL23-4/5



KM356187—UN—02JUL18



KM356188—UN—02JUL18

A—Adapter Cable

B—Main Wiring Harness
Connector

IMPORTANT: Perform this step only for rotary harvesting units that have been equipped for attachment of a support wheel at the factory.

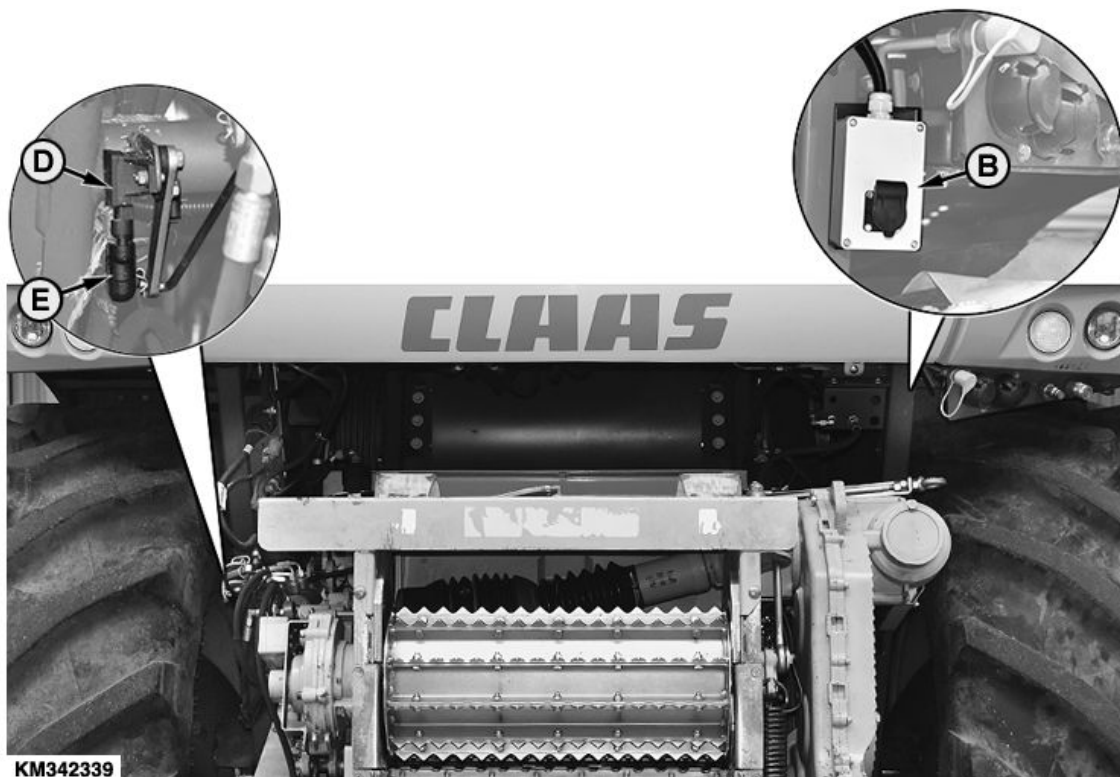
NOTE: Rotary harvesting units that have not been equipped for attachment of a support wheel at the factory have no adapter cable (A).

8. The adapter cable (A) must be removed from the Claas control unit (C) when the programming is complete. To do so, proceed as follows:

- Remove adapter cable (A).
- Connect connector (B) of the main wiring harness directly to the Claas control unit.

km00321,1689932568697 -19-21JUL23-5/5

Install Additional Wiring Harness for the Folding Function of the Rotary Harvesting Unit



IMPORTANT: The additional wiring harness is supplied with the following rotary harvesting units and must be mounted on the forage harvester:

- All rotary harvesting units that are equipped for the attachment of the support wheel

NOTE: The additional wiring harness is required so that the rotary harvesting unit can be folded in the raised state.

The supplied wiring harness must be installed on the Claas forage harvester before attaching the rotary harvesting unit for the first time.

To do so, proceed as follows:

1. Pull out the connector (E) from the angle sensor (D) of the forage harvester.
2. Connect the plug connections (A) of the supplied wiring harness between the angle sensor (D) and connector (E) on the forage harvester.



A—Connectors
B—Socket Outlet
C—Connecting Cable

D—Angle Sensor
E—Connector

Continued on next page

km00321,1689932912470 -19-21JUL23-1/3

KM342339 —UN—03JUL18

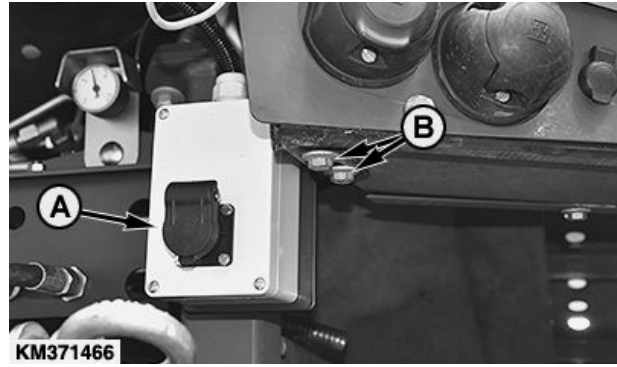
KM342337 —UN—02JUL18

3. Install the socket outlet (A) on the Claas forage harvester with screws (B).

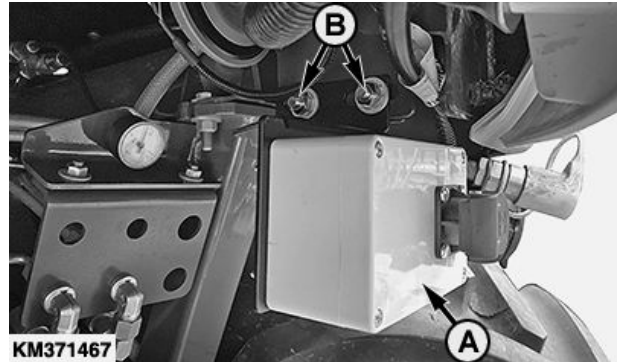
NOTE: The mounting position of the socket outlet varies and depends on the model of the forage harvester.

A—Socket Outlet

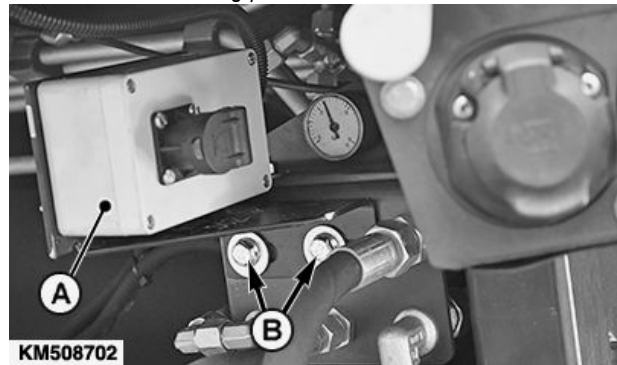
B—Screws



Mounting position of the socket outlet



Mounting position of the socket outlet



Mounting position of the socket outlet

Continued on next page

km00321,1689932912470 -19-21JUL23-2/3

KM371466 —UN—08FEB19

KM371467 —UN—08FEB19

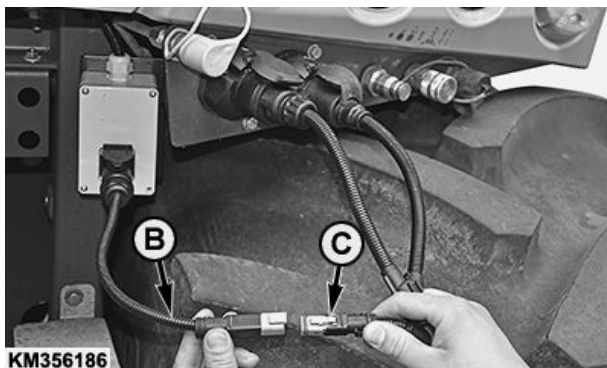
KM508702 —UN—06MAY21

4. Fix the remaining cables with cable binders (A) behind the front cover.
5. Plug the connection cable (B) into the socket outlet and connect it to the main wiring harness (C).

NOTE: The socket outlet may be mounted on the forage harvester after the corn harvest. The socket outlet does not function as long as no connector is inserted.

A—Cable Binder
B—Connecting Cable

C—Main Harness

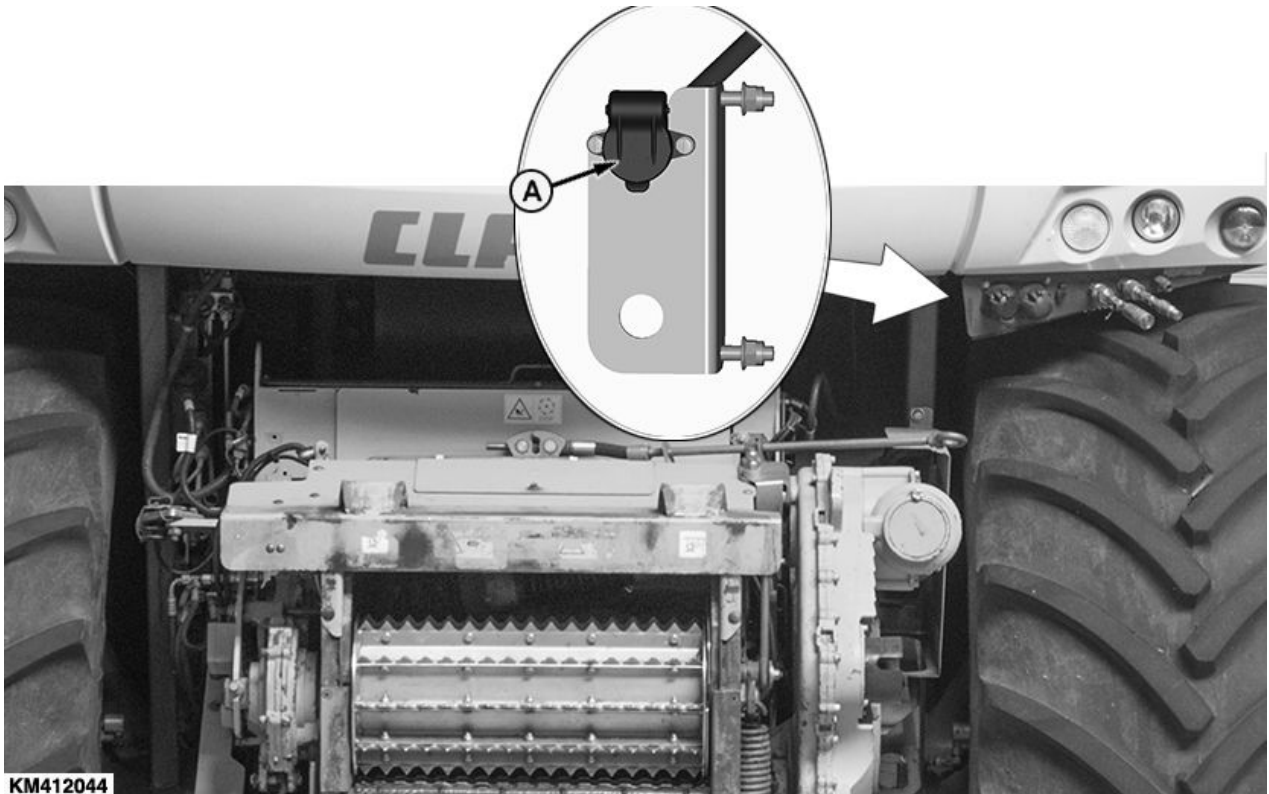


KM342340 —UN—02JUL18

KM356186 —UN—03JUL18

km00321,1689932912470 -19-21JUL23-3/3

Install Additional Wiring Harness for the StalkBuster™ Function

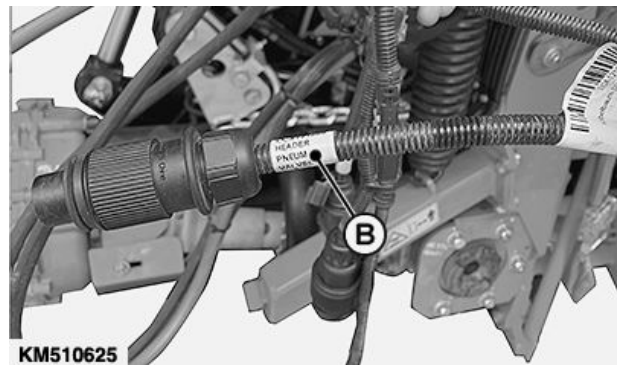


KM412044

KM412044 —UN—10JUN20

NOTE: To control the lifting and lowering of the StalkBuster™ mulching units, the signal of the external additive plant is used. The supplied wiring harness with the socket outlet (A) must be installed for this purpose. The power supply to the wiring harness is established via the corresponding plug connection behind the operator's cab.

1. Install the socket (A) in a suitable location next to the existing sockets.
2. Insert the connector (B) labeled "Pneumatic valves attachment" into the 3-terminal power outlet socket (A).



KM510625

KM510625 —UN—11MAY21

A—Socket Outlet

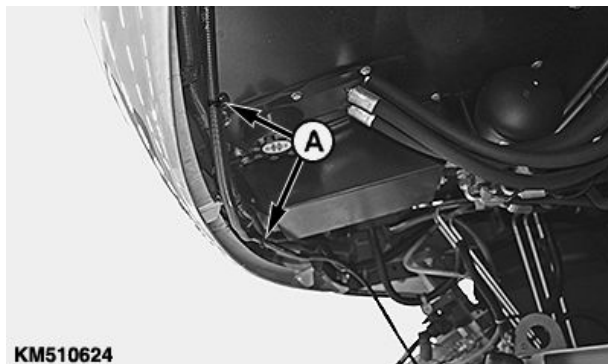
B—Connector

Continued on next page

km00321,1689932996062 -19-21JUL23-1/3

3. Fix the cable (A) with cable binders behind the front cover and route it to behind the operator's cab.

A—Cable



KM510624 —JUN—11MAY21

km00321,1689932996062 -19-21JUL23-2/3

4. Open the right side cover on the forage harvester.
5. Connect the wiring harness to the 2-pin connector with the labeling "ZX".

NOTE: For varying plug types, use the adapter cable supplied.

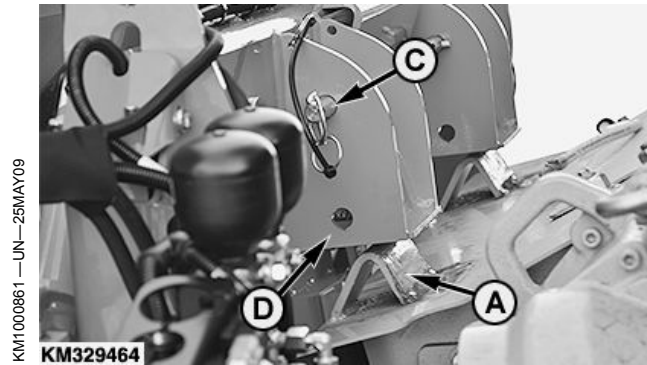
ZX—Plug connection for the external additive plant



KM412047 —JUN—06MAY21

km00321,1689932996062 -19-21JUL23-3/3

Attaching to CLAAS Forage Harvesters

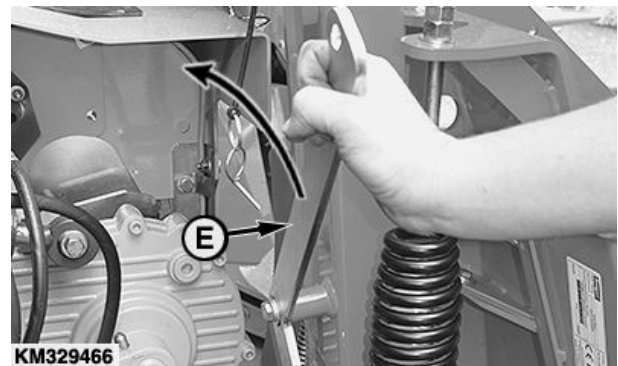
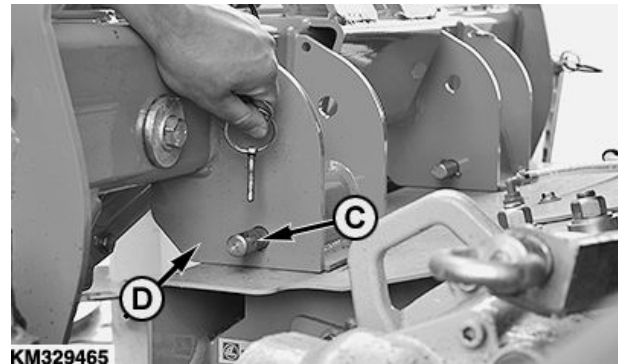


1. Drive the forage harvester close to the rotary harvesting unit's frame until latching hooks (A) protrude into brackets (D) of the mounting frame.
2. Remove pins (C) on both sides.
3. Lift front shield (B) up until latching hooks (A) of the rotary harvesting unit lie in brackets (D).
4. Secure upper bearing point by installing pin (C). Lock lower bearing point by engaging lever (E).

IMPORTANT: Retain pin (C) and lever (E) with spring locking pin.

A—Latching Hooks
B—Front Shield
C—Pin

D—Bracket
E—Lever

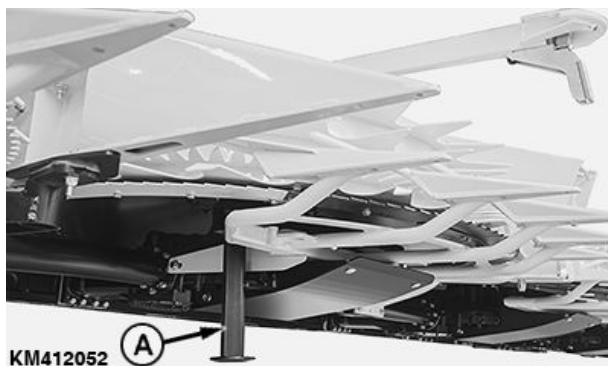


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km00321,1689941848452 -19-21JUL23-1/2

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

A—Jackstand



KM412052 —UN—24JUN20

km00321,1689941848452 -19-21JUL23-2/2

Connect the Connectors to the Forage Harvester

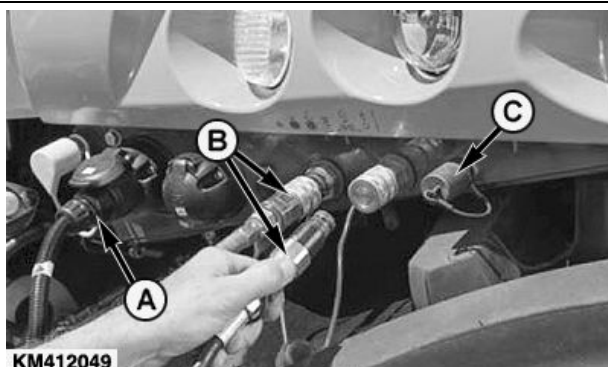
Connect the 13-pin connector (A) to the socket on the forage harvester.

Connect the hydraulic hoses (B) with the quick-couplers on the forage harvester.

Connect the pneumatic hose of the rotary harvesting unit to the compressed-air coupler (C) of the forage harvester.

A—13-pin Connector
B—Hydraulic Hoses

C—Compressed-Air Coupler



KM412049 —UN—15JUN20

km00321,1689941976375 -19-21JUL23-1/1

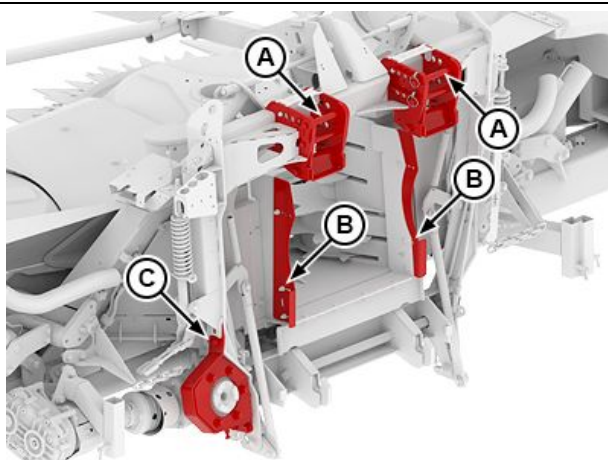
Adjustable Frame (Option) - Settings

NOTE: The adjustable frame can be set to four different positions.

In order to adjust the angle of the header, the three assemblies (A), (B) and (C) must be set to the same position.

A—Upper Brackets
B—Guide Plates

C—Lower Bracket



KM575592 —UN—10MAY23

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km00321,1689942196641 -19-21JUL23-1/4

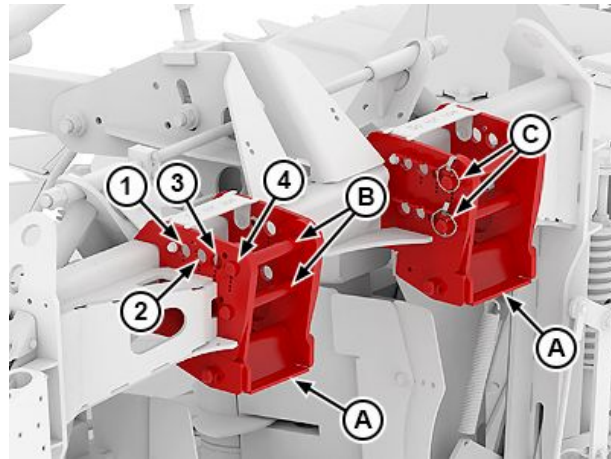
Adjust Upper Brackets:

1. Remove pins (B).
2. Install upper brackets (A) in the desired position 1—4.
3. Reinsert pins (B).
4. Secure pins (B) with quick-lock pins (C).

NOTE: The actual installation position can be identified by punch marks.

A—Bracket
B—Pin

C—Quick-Lock Pin



KM575593 —UN—10MAY23

km00321,1689942196641 -19-21JUL23-2/4

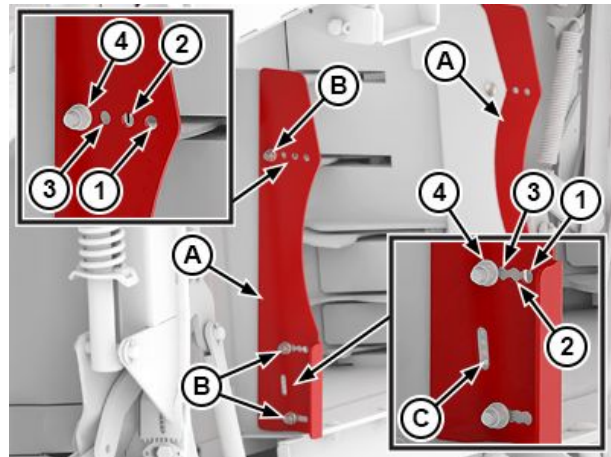
Adjust Guide Plates:

1. Remove screws (B).
2. Install guide plates (A) in the desired position 1—4.
3. Reinstall and tighten screws (B).

NOTE: The actual installation position can be identified by boreholes (C).

A—Guide Plate
B—Screw

C—Boreholes



KM575594 —UN—10MAY23

km00321,1689942196641 -19-21JUL23-3/4

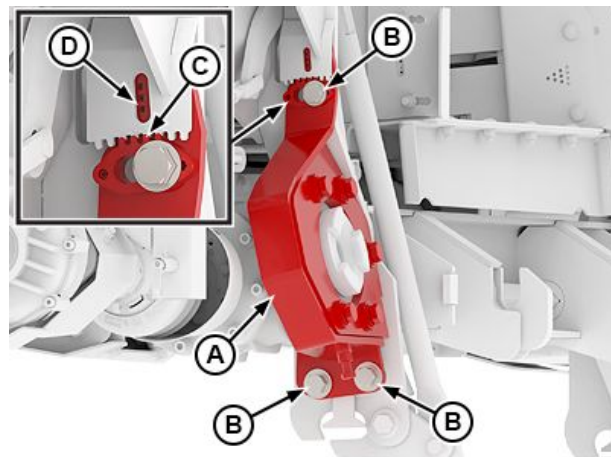
Adjust Lower Bracket:

1. Loosen screws (B).
2. Install bracket (A) in the desired position 1—4 using the tooth pitch (C).
3. Retighten screws (B).

NOTE: The actual installation position can be identified by punch marks (D).

A—Bracket
B—Screw

C—Tooth Pitch
D—Punch Marks



KM575595 —UN—10MAY23

km00321,1689942196641 -19-21JUL23-4/4

Rotary Harvesting Units with Multi-Speed Gearbox and Quick Coupler

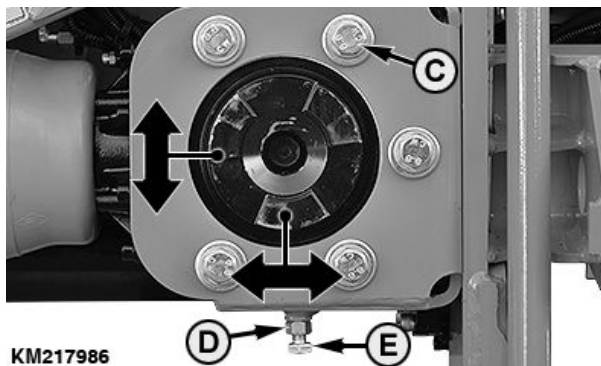
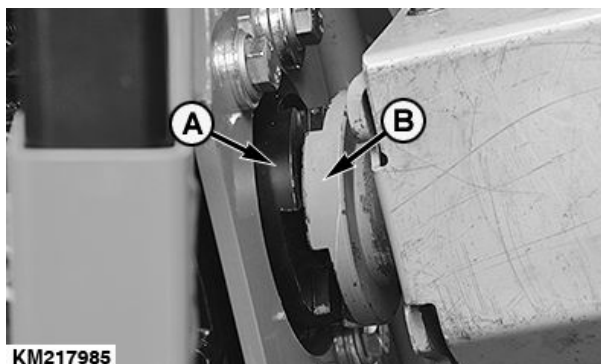
Adjust the quick coupler (only for initial use)

1. Make sure that attaching claw (A) on the rotary harvesting unit and attaching claw (B) on the forage harvester are in alignment.
2. If necessary, adjust the attaching claw (A) on the rotary harvesting unit.
 - Loosen screws (C).
 - Loosen lock nut (D) and adjust attaching claw (A) with set screw (E).
 - Tighten lock nut (D).
 - Tighten screws (C) to specified torque.

Specification

Screws (C) on Quick Coupler—Torque..... 240 N·m (177 lb.-ft.)

- | | |
|--|-------------|
| A—Attaching Claw on Rotary Harvesting Unit | D—Lock Nut |
| B—Attaching Claw on Forage Harvester | E—Set Screw |
| C—Screw | |



KM217985—UN—15SEP14

KM217986—UN—15SEP14

jzsgtac, 1679409263990 -19-22MAR23-1/2

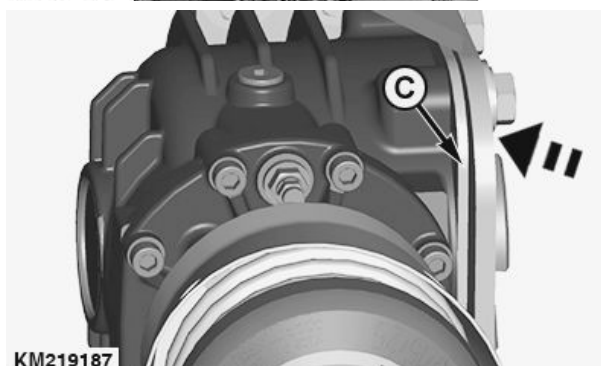
Adjust quick coupler in axial direction

IMPORTANT: Make sure that groove (B) on attaching claw of the forage harvester turns freely and does not touch housing (A).

CAUTION: Risk of fire - Incorrect setting may result in airborne sparks!

If necessary, install spacer plate (C) **before** installing the bracket (see arrow).

- | | |
|-----------|----------------|
| A—Housing | C—Spacer Plate |
| B—Groove | |



KM219185—UN—15SEP14

KM219187—UN—15SEP14

jzsgtac, 1679409263990 -19-22MAR23-2/2

Replace Claas Tray with Kemper Tray

The curved CLAAS tray may impair material flow below the feed rolls. This problem will be resolved by using the straight KEMPER tray (A).

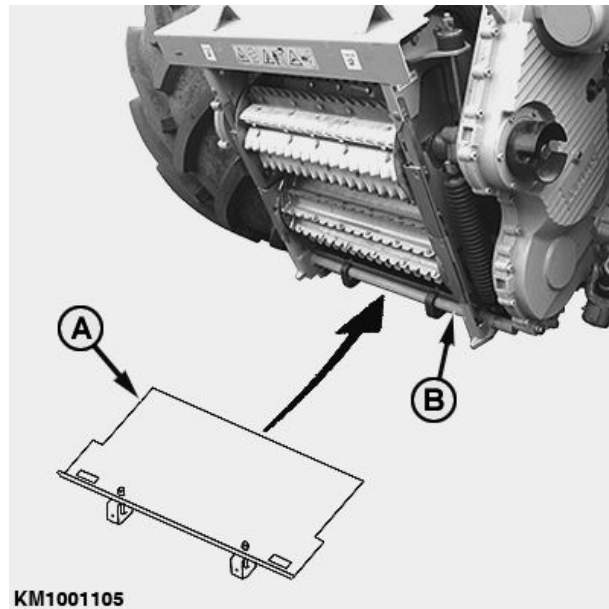
Installation:

Remove CLAAS tray, slide in straight KEMPER tray (A) and attach it to support shaft (B).

NOTE: When harvesting grass, remove the KEMPER tray.

A—KEMPER tray

B—Support shaft



KM1001105

KM1001105 —UN—10FEB10

km00321,1682089501882 -19-02MAY23-1/1

Detaching the Rotary Harvesting Unit

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

Follow the instructions below:

1. Disconnect all plug connections from the forage harvester.



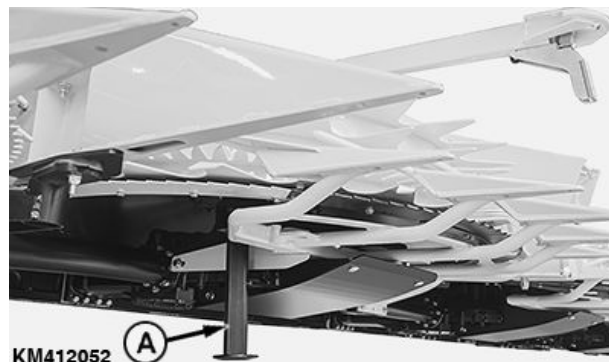
KM508704

KM508704 —UN—10MAY21

km00321,1689942465137 -19-21JUL23-1/5

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

A—Jackstand



KM412052

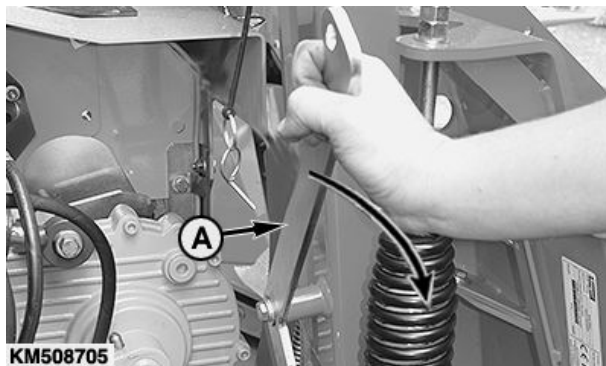
KM412052 —UN—24JUN20

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km00321,1689942465137 -19-21JUL23-2/5

3. Move the lever (A) in the direction of the arrow to open the lower lock.

A—Lever



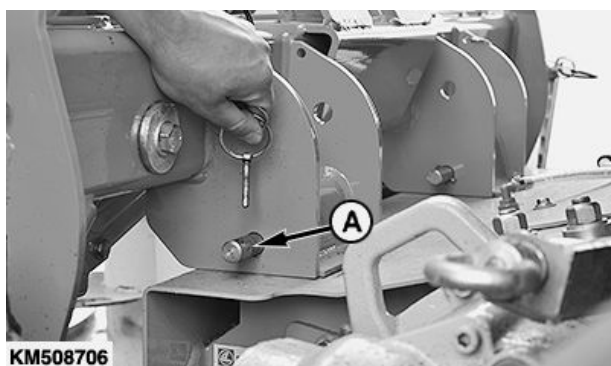
KM508705

KM508705 —UN—10MAY21

km00321,1689942465137 -19-21JUL23-3/5

4. Remove pin (A).

A—Pin

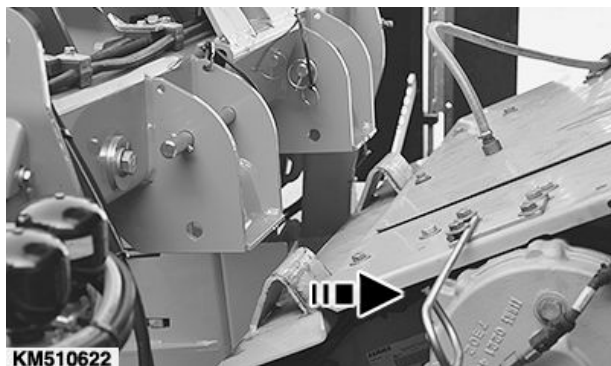


KM508706

KM508706 —UN—10MAY21

km00321,1689942465137 -19-21JUL23-4/5

5. Lower the front shield of the forage harvester and move it out of the mounting frame of the rotary harvesting unit.



KM510622

KM510622 —UN—10MAY21

km00321,1689942465137 -19-21JUL23-5/5

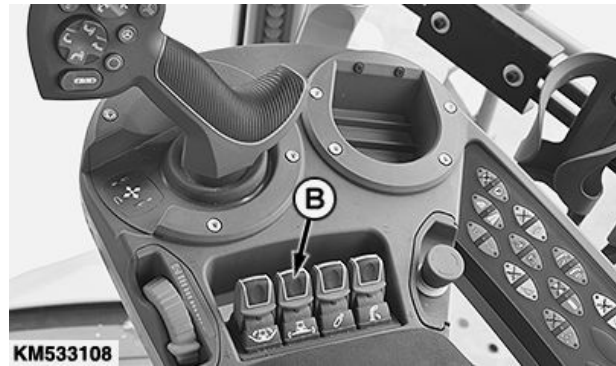
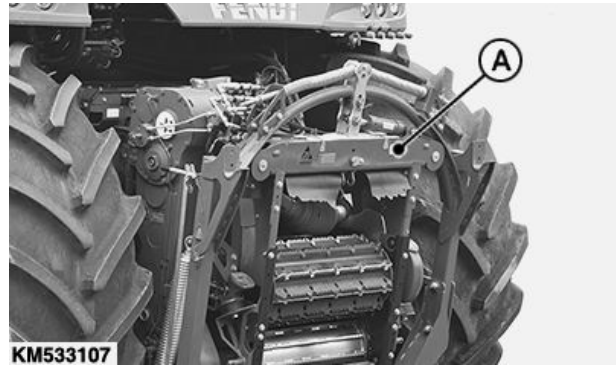
Attaching to a Fendt Forage Harvester

Align the Tilt Frame

Align tilt frame (A) horizontally with switch (B).

A—Tilt Frame

B—Switches



KM533107 —UN—08APR22

KM533108 —UN—08APR22

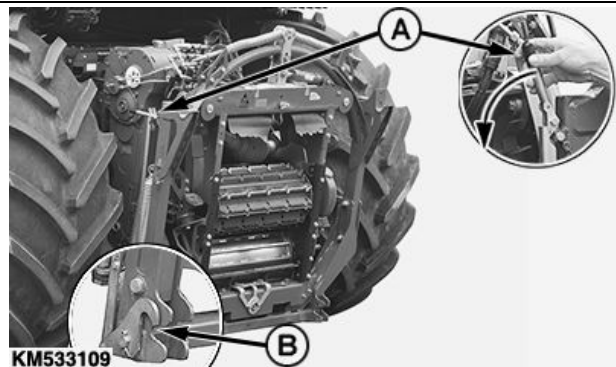
km00321,1682091367454 -19-24APR23-1/1

Attach the Rotary Harvesting Unit to a Fendt Forage Harvester

1. Lower the handle (B) so that the latching hooks (B) are fully retracted.

A—Handle

B—Locking Hooks



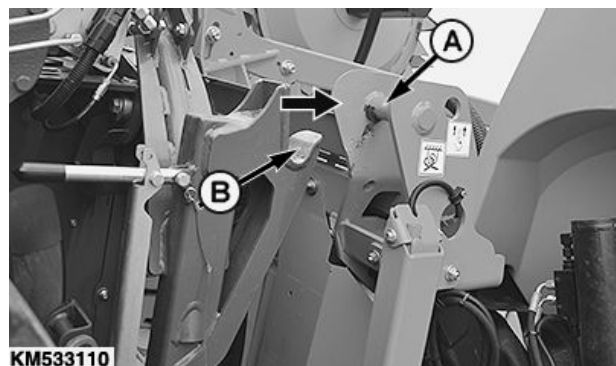
KM533109 —UN—08APR22

km00321,1689946632653 -19-21JUL23-1/6

2. Drive the forage harvester slowly to the rotary harvesting unit until the pins (A) on the right and left sides of the rotary harvesting unit are above the upper receiver jaws (B) of the tilt frame.

A—Pins

B—Receiver Jaws



KM533110 —UN—08APR22

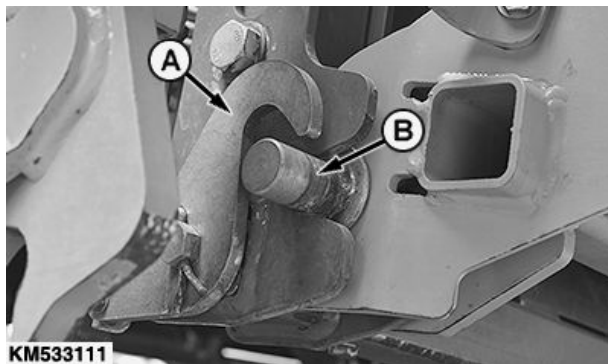
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km00321,1689946632653 -19-21JUL23-2/6

3. Raise the cutterhead assembly until the pins (B) engages in the lower locking hooks (A) on the left and right.
4. Shut the engine off.
5. Set park brake.

A—Locking Hooks

B—Pins



KM533111 —UN—08APR22

km00321,1689946632653 -19-21JUL23-3/6

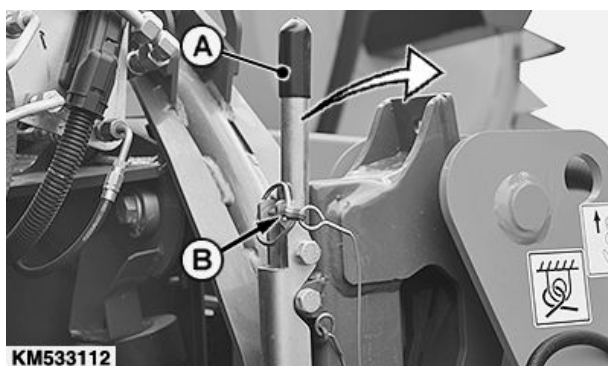
6. Raise handle in the direction of the arrow and secure with the quick-lock pin (B) as shown.

IMPORTANT: Check that both lower locking hooks (C) lock the rotary harvesting unit correctly. Never operate the rotary harvesting unit if the hooks are not properly locked.

A—Handle

B—Quick-Lock Pin

C—Locking Hooks



KM533112 —UN—08APR22



KM533113 —UN—08APR22

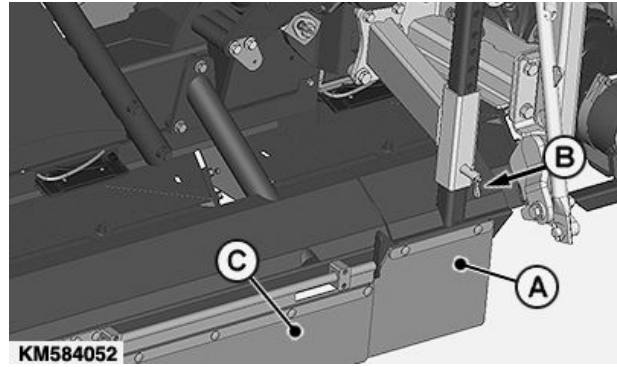
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km00321,1689946632653 -19-21JUL23-4/6

7. At left and right, raise jackstand (A) to the same height as outer protective bar (C).
8. Secure jackstand (A) with spring-loaded pin (B).

A—Jackstand
B—Spring-Loaded Pin

C—Protective Bar



KM584052 —UN—21JUL23

km00321,1689946632653 -19-21JUL23-5/6

9. Connect the pneumatic hose to the outlet (A).

A—Outlet



KM412035 —UN—14MAY20

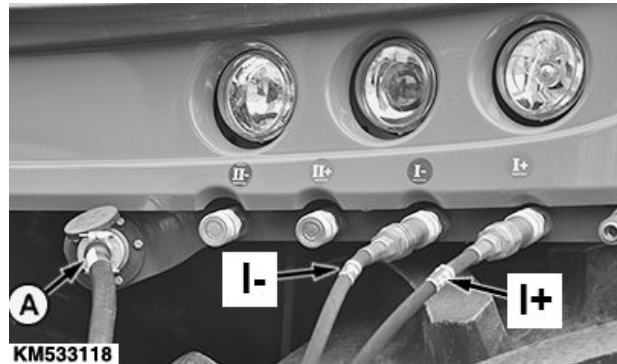
km00321,1689946632653 -19-21JUL23-6/6

Connect Hydraulic Hoses and Wiring Harness

The hydraulic outlets on the forage harvester are numbered. Connect the numbered hydraulic hoses of the rotary harvesting unit to the relevant hydraulic outlets of the forage harvester.

Connect wiring harness (A) to the electrical socket of the forage harvester.

A—Wiring Harness



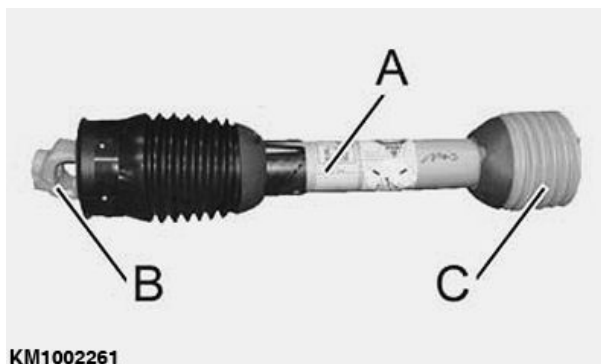
KM533118 —UN—08APR22

km00321,1682318687227 -19-24APR23-1/1

Universal-Jointed Shaft

A—Universal-Jointed Shaft
B—Header End

C—Forage Harvester Feeder
End



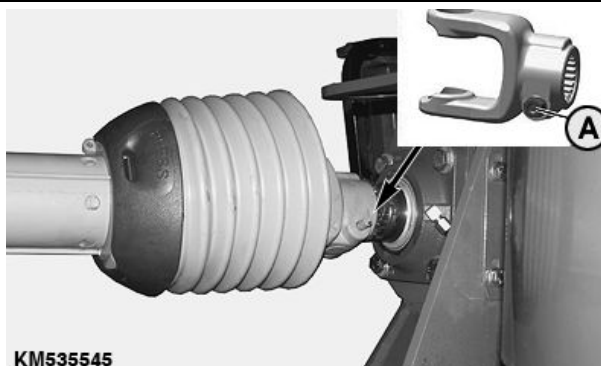
KM1002261 —UN—29MAR12

km00321,1682318804384 -19-24APR23-1/1

Connect Universal-Jointed Shaft

1. Remove the locking screw (A).
2. Push the fork onto the splined shaft of the forage harvester.
3. Tighten the locking screw (A) to fasten.

A—Retaining screw



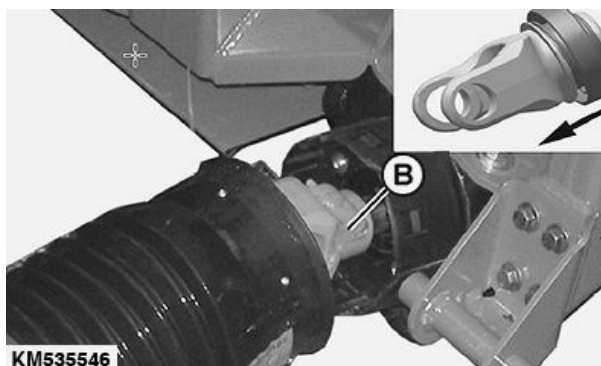
KM535545 —UN—15AUG22

km00321,1682319271667 -19-24APR23-1/2

4. Push the other side of the propeller shaft with the fork (B) onto the splined shaft of the rotary harvesting unit.

IMPORTANT: Make sure that the fork (B) of the propeller shaft engages.

B—Fork



KM535546 —UN—15AUG22

km00321,1682319271667 -19-24APR23-2/2

Select Hydraulic Setting

Move ball cock (A) to position for the relevant header.

A—Ball cock



KM533119 —UN—08APR22

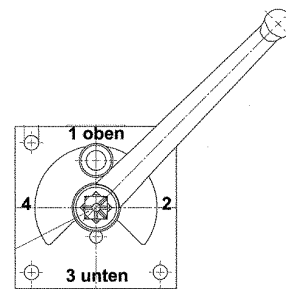
km00321,1682322486467 -19-24APR23-1/2

Ball cock positions

1— Switch position for corn

2— Switch position for grass

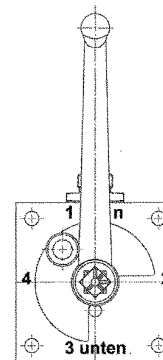
1



KM535527

KM535527 —UN—08APR22

2



KM535528

KM535528 —UN—08APR22

km00321,1682322486467 -19-24APR23-2/2

Lateral Tilt Lock on Tilt Frame

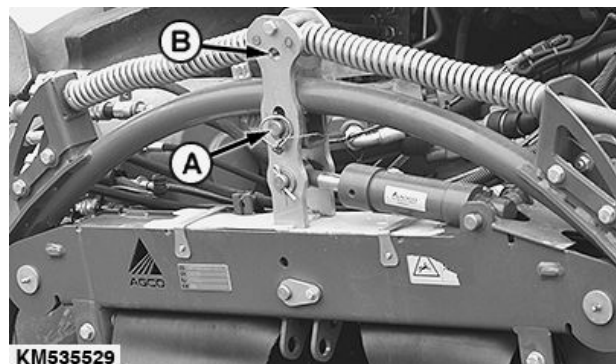
When operating a rotary harvesting unit without height sensors, remove the pins (A) and insert it into the hole (B).

NOTE: The tilt frame is now unlocked. The rotary harvesting unit can swing freely.

IMPORTANT: When driving on the road, lock the tilt frame again.

A—Pins

B—Bore



KM535529 —UN—08APR22

km00321,1682322839974 -19-24APR23-1/1

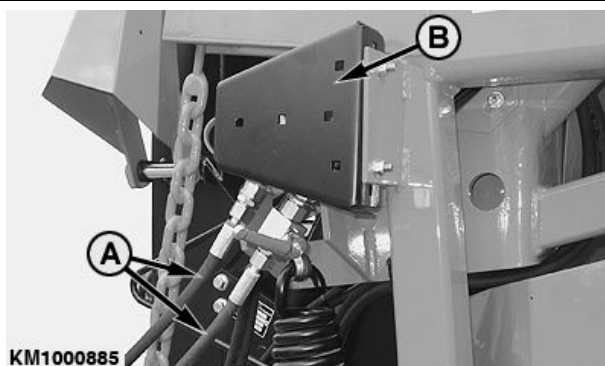
Detaching the Rotary Harvesting Unit

NOTE: Fold the rotary harvesting unit before setting it down.

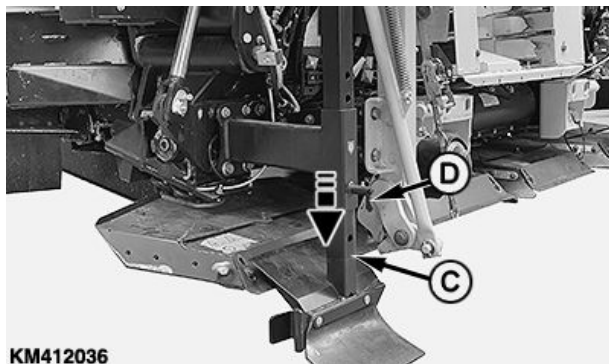
1. Lower the rotary harvesting unit to the ground.
2. Shut off the forage harvester's engine, remove the key from the ignition and apply the park brake.
3. Disconnect the pneumatic hose, electric connectors and the hydraulic hoses (A) from the forage harvester and store them in the bracket provided (B).
4. Pull off the driveshaft.

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

5. Start the forage harvester and lower the rotary harvesting unit until the dividing points touch the ground.
6. At left and right, lower the jackstands (C) and lock them at a suitable height. To do this, pull out the spring-loaded pin (D) and let it re-engage when the jackstand is at the correct height.
7. Open the brackets on the attachment frame.
8. Drain the feedroll housing and move it out of the attaching frame of the rotary harvesting unit.



KM1000885



KM412036

A—Hydraulic Hoses
B—Bracket

C—Jackstand
D—Spring Pin

km00321,1689947870439 -19-21.JUL23-1/1

KM1000885 —UN—27MAY09

KM412036 —UN—14MAY20

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.

km00321,1690192295393 -19-24JUL23-1/1

Apply Decal (Rotary Harvesting Units with Support Wheel)

On rotary harvesting units with a support wheel, a decal bearing the specifications is supplied (see illustration).

The decal must be applied to the forage harvester close to its type-plate.

[illegible]

KM225012

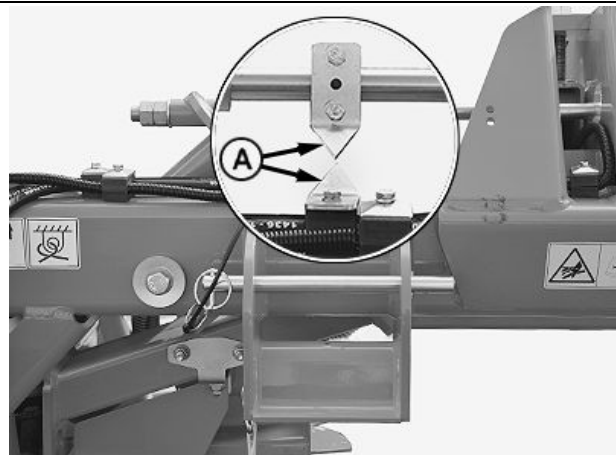
KM225012 —UN—02DEC14

km00321,1690192446172 -19-24JUL23-1/1

Align the Tilt Frame (Rotary Harvesting Units with Support Wheel for Claas Forage Harvesters Only)

Before attaching the support wheel, align the tilt frame horizontally. Use the pointers (A) as a visual aid.

A—Pointer



KM584056 —UN—26JUL23

km00321.1690382600811 -19-27JUL23-1/1

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



KM409023

KM409023 —UN—20MAR20

A—Protective curtains

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).

km00321,1690196580083 -19-24JUL23-1/1

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

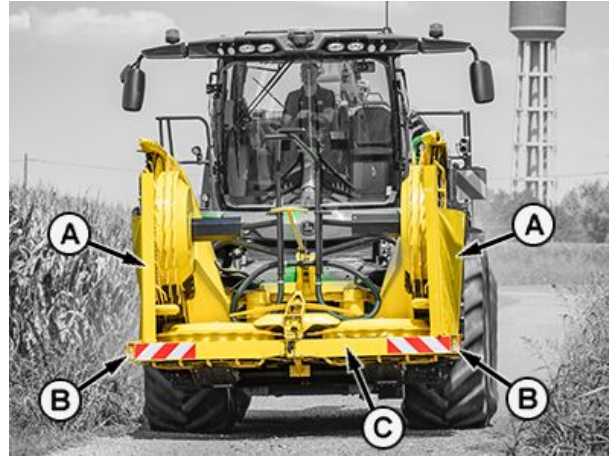
When driving on public roads the entire area around the dividers must be covered with a protective guard (A).

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.



KM574659 —UN—14APR23

A—Protective Guard
B—Position Lamps/Turning
Lights

C—Accident Prevention Device

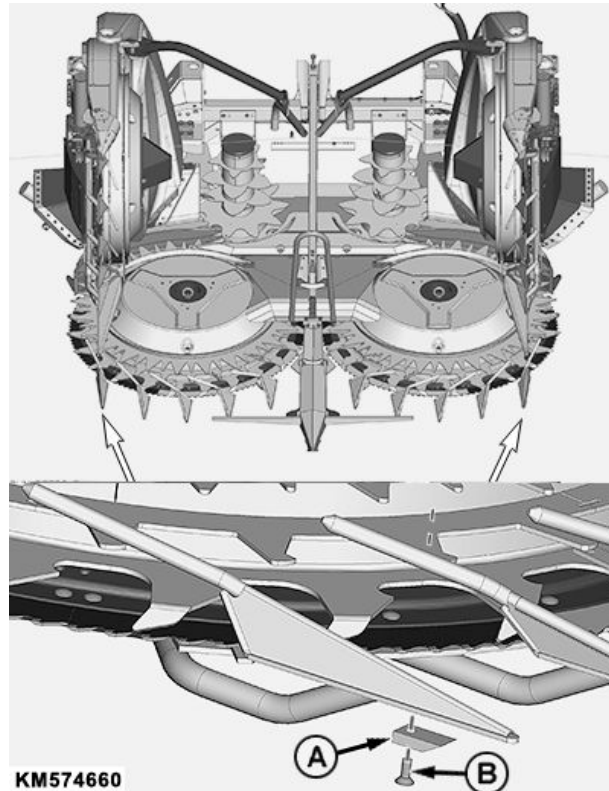
km00321,1681480029846 -19-17APR23-1/5

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



KM574660

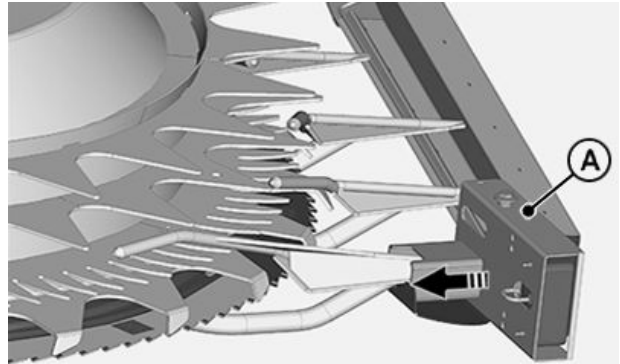
KM574660 —UN—14APR23

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km00321,1681480029846 -19-17APR23-2/5

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

A—Accident Prevention Device

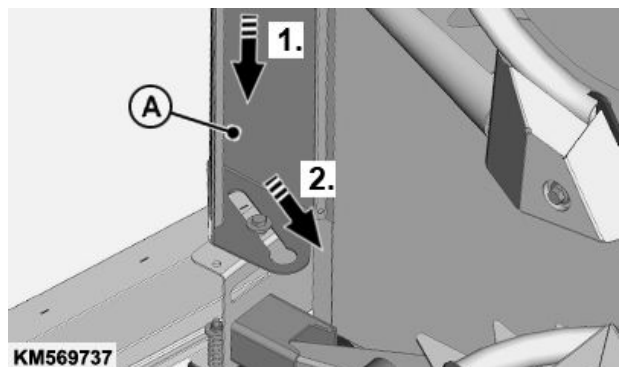


KM574662—UN—14APR23

km00321,1681480029846 -19-17APR23-3/5

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

A—Curtain



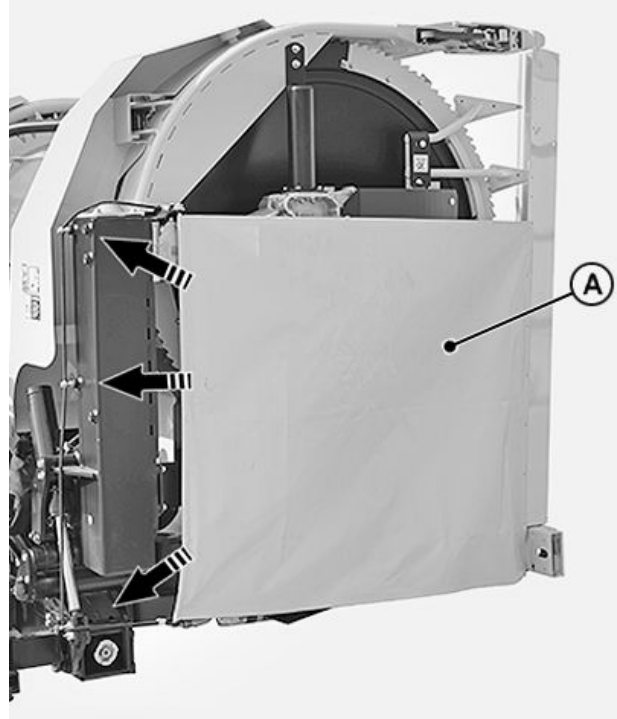
KM569737—UN—13MAR23

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km00321,1681480029846 -19-17APR23-4/5

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

A—Curtain



KM574663 —UN—14APR23

km00321,1681480029846 -19-17APR23-5/5

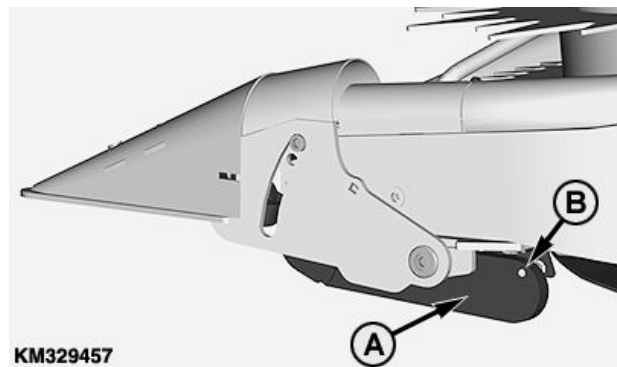
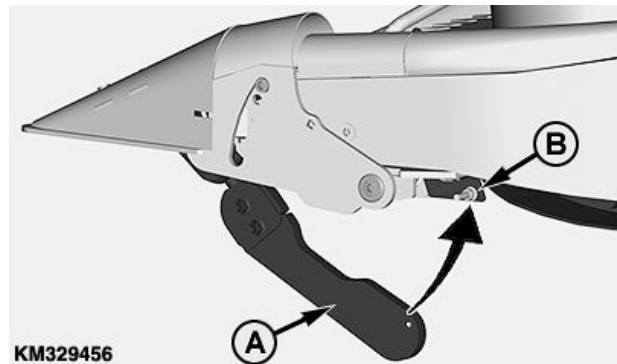
Set AHC-Sensor into Transport Position

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



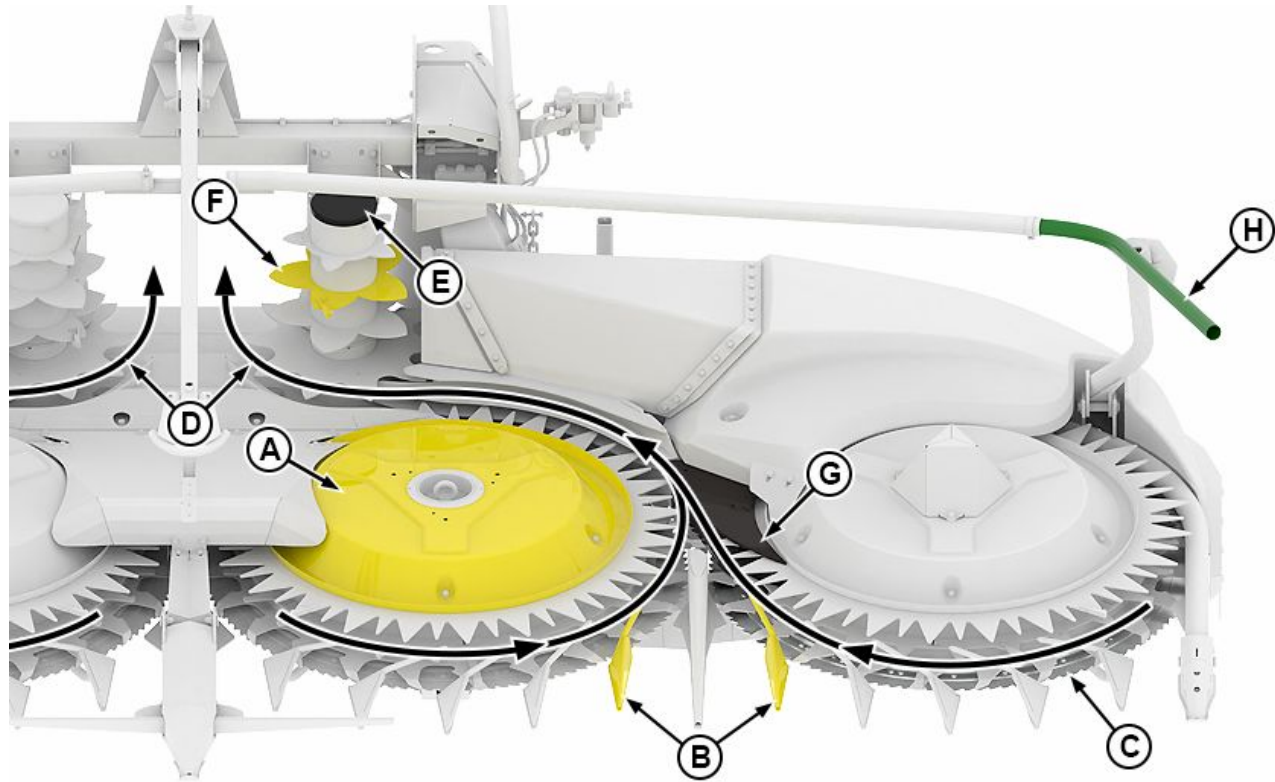
KM329456 —UN—28AUG17

KM329457 —UN—28AUG17

KM00321,0000934 -19-17APR19-1/1

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.

KM00321,000020F -19-24AUG09-1/1

Clearing Blockages

If the rotary harvesting unit becomes blocked, the gathering drums can be stopped and switched to reverse.

In the case of a blocked rotary harvesting unit:

- Stop driving the machine.
- Move forage harvester a few meters backward.
- Briefly press button (A) and wait until the feeding unit and rotary harvesting unit stop.
- Press button (A) again and hold down until the blockage is removed.

NOTE: The reversal takes place as long as the button (A) is held down.

CAUTION: Risk of serious personal injury! In no case attempt to clear blockages in the rotary harvesting unit by hand while the unit is running. First shut off the forage harvester's engine, and wait until all moving parts have come to a stop.

A—Multi-Function Lever



Multi-Function Lever (Claas Forage Harvester)



Multi-Function Lever (Claas Forage Harvester)



Multi-Function Lever (Fendt Forage Harvester)

km00321,1682338588008 -19-24APR23-1/1

Adjusting the Skids



KM380923 —UN—29MAY19

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.



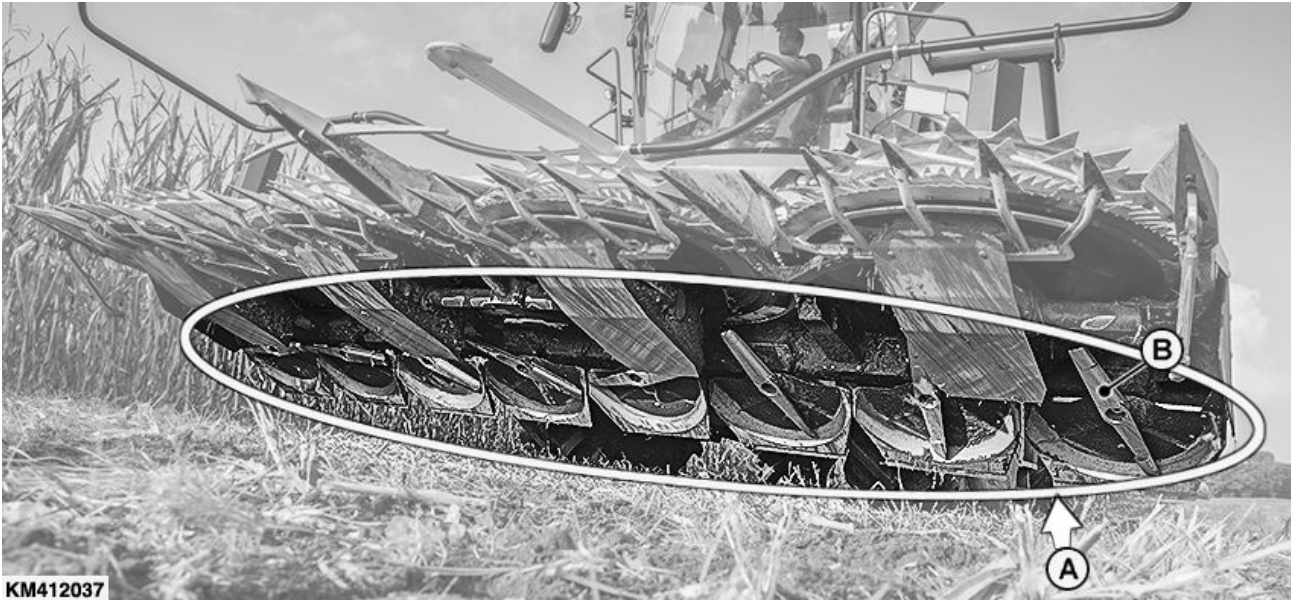
KM380924 —UN—29MAY19

A—Outer Skid

B—Inner Skid

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

StalkBuster™ Mulching Units - Theory of Operation



KM412037 —UN—14MAY20

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

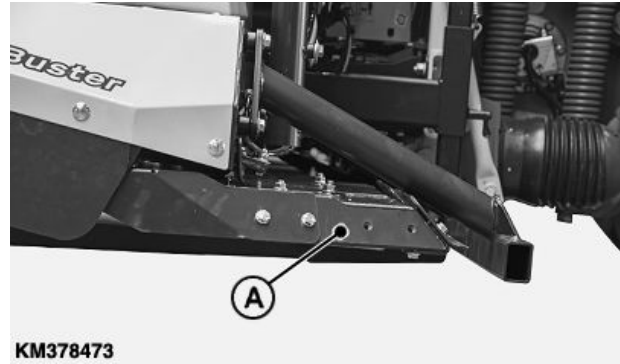
B—Rotor

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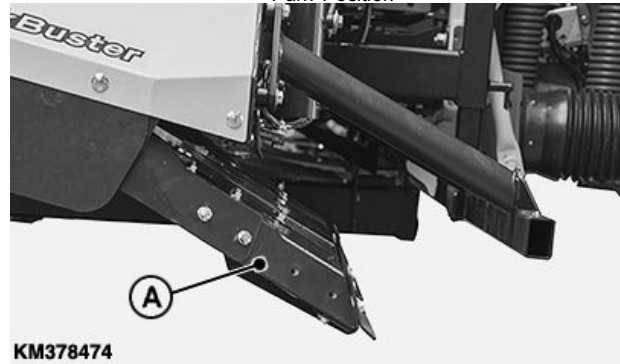
km00321,1690197222992 -19-24JUL23-1/2

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

A—StalkBuster™ Mulching Unit



Park Position



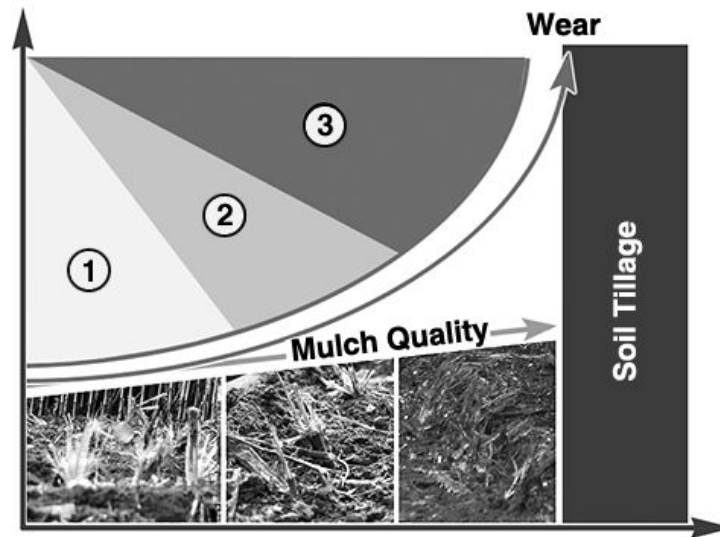
Operating Position

km00321,1690197222992 -19-24JUL23-2/2

KM378473 —JUN—27MAY19

KM378474 —JUN—27MAY19

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 on FENDT Forage Harvesters



Settings T

Name of header type	Kemper 3xx plus
Header type ID	2001
Preferred control:	Position control
Implement width:	1,00 m
Rows:	20
Section widths:	2
Sensor skids:	Not available
Row sensor:	Available
StalkBuster existing:	Available

A

✓ ✗

KM412038

1— Softkey
2— Softkey

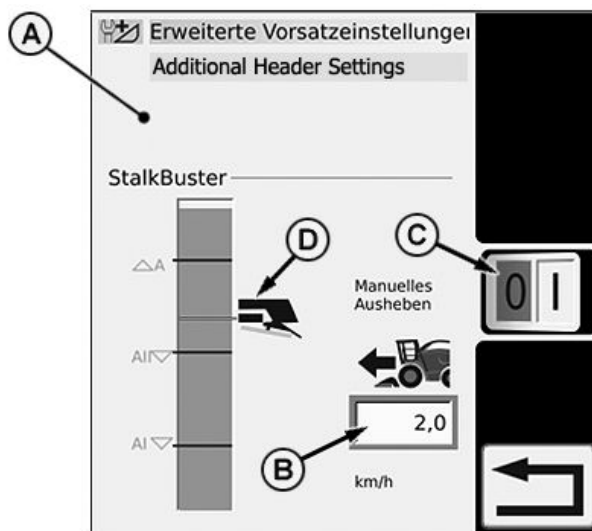
3— Softkey
A— Selection Point "StalkBuster Existing"

1. Press softkeys (1), (2) and (3) to access the header settings page.
2. Choose "available" at the selection point "StalkBuster existing" (A).

Continued on next page

km00321,1690197407284 -19-24JUL23-1/2

KM412038 —LUN—14MAY20



KM412039

- 1—Softkey
2—Softkey
3—Softkey
A—Additional Header Settings Page

- B—Minimum Ground Speed
C—Manual Lift Button

- D—Trigger Point for Lowering the Mulching Units

3. Press softkey (3) to access the additional header settings page (A).
4. Adjust minimum ground speed (B) and set the trigger point (D) for lowering the mulching units.

Adjustable ranges of minimum ground speed and trigger point:

- Minimum ground speed: 1—3 km/h
- Trigger point for lowering the mulching units: 0—100%

5. If the conditions (B) and (D) are fulfilled, lowering of the Stalkbuster™ mulching units will start automatically.

NOTE: It is also possible to lift the Stalkbuster™ mulching units manually with lift button (C).

Preconditions for the StalkBuster™ function:

- Engine is switched ON.
- Field mode is switched ON.
- Main clutch is switched ON.
- Cutterhead is switched ON.
- Header drive is switched ON.
- Manual lift button is switched OFF.

NOTE: All conditions must apply.

Required Settings for the StalkBuster™ Function:

All Preconditions applied ^a	Ground Speed > Minimum Ground Speed	Header Height < Trigger Point for Lowering the Mulching Units	Action StalkBuster™
0	0	0	StalkBuster™ not lowering
0	0	1	StalkBuster™ not lowering
0	1	0	StalkBuster™ not lowering
0	1	1	StalkBuster™ not lowering
1	0	0	StalkBuster™ not lowering
1	0	1	StalkBuster™ not lowering
1	1	0	StalkBuster™ not lowering
1	1	1	StalkBuster™ not lowering
1	1	1	StalkBuster™ lowering

Required Settings for the StalkBuster™ Function:

^aSee "Preconditions for the StalkBuster™ Function" in this section.

km00321,1690197407284 -19-24JUL23-2/2

KM412039 —UN—15MAY20

Activating the StalkBuster™ Function on Claas Forage Harvesters

Turn on the switch for the additive plant on the hand console (A).

NOTE: To control the lifting and lowering of the StalkBuster™ mulching units, the signal of the additive plant is used.

The StalkBuster™ mulching units are lowered into operating position, when:

- the road safety mode button is in field mode,
- the direction of travel is forward,
- the cutterhead is switched on,
- the header drive is switched on,
- the header is in the harvesting position,
- the drive speed is higher than 0.5 km/h.



A—Hand Console

km00321,1690197725225 -19-24JUL23-1/1

KM412048 —UN—15JUN20

Adjusting StalkBuster™ Contact Pressure

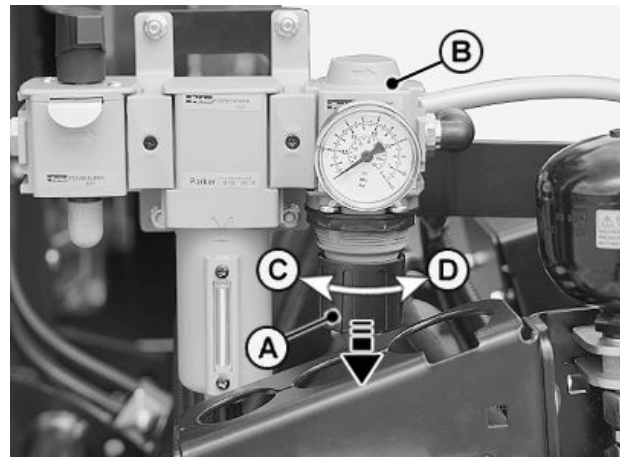
To adjust the contact pressure of the StalkBuster™ mulching units, turn knob (A) at the control valve (B).

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

km00321,1690201418672 -19-27JUL23-1/1

KM584053 —UN—24JUL23

Harvesting with StalkBuster™ Function Deactivated

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

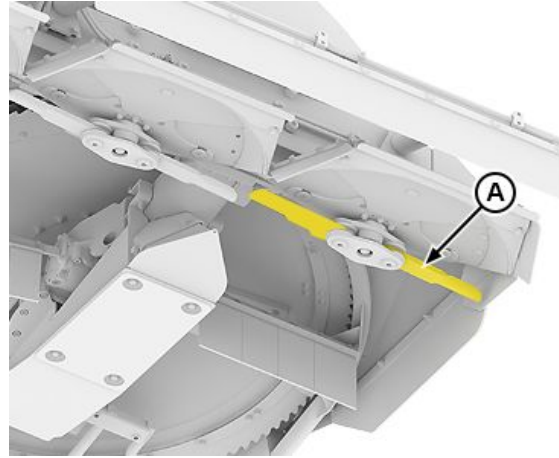
- Remove the gerotor (A) of all mulching units.
- Insert a screw M16 X 70 (B) to protect the thread from dirt.

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

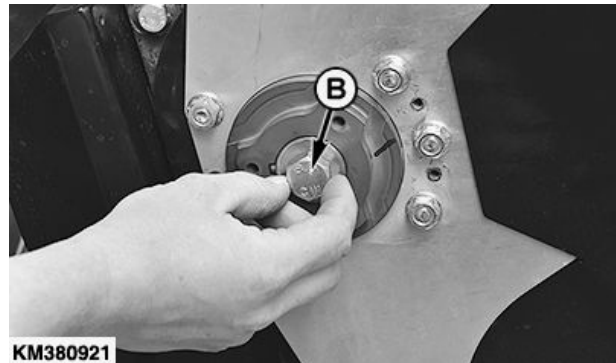
IMPORTANT: Maintain pneumatic pressure to ensure that the StalkBuster™ mulching units are raised in park position.

A—Rotor
B—Screw, M16x70

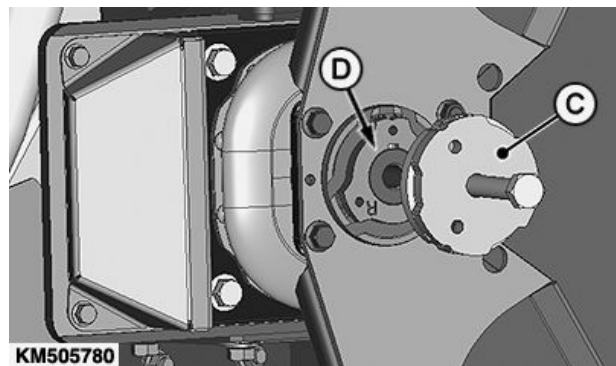
C—Cap
D—Gear Case Flange



KM584046 —UN—03JUL23



KM380921 —UN—28MAY19



KM505780 —UN—14APR21

km00321,1690201604362 -19-24JUL23-1/1

Adjusting Gear Selection with Multi-Speed Gearbox for Claas Forage Harvesters

The multi-speed drive for CLAAS forage harvesters has 4 speeds.

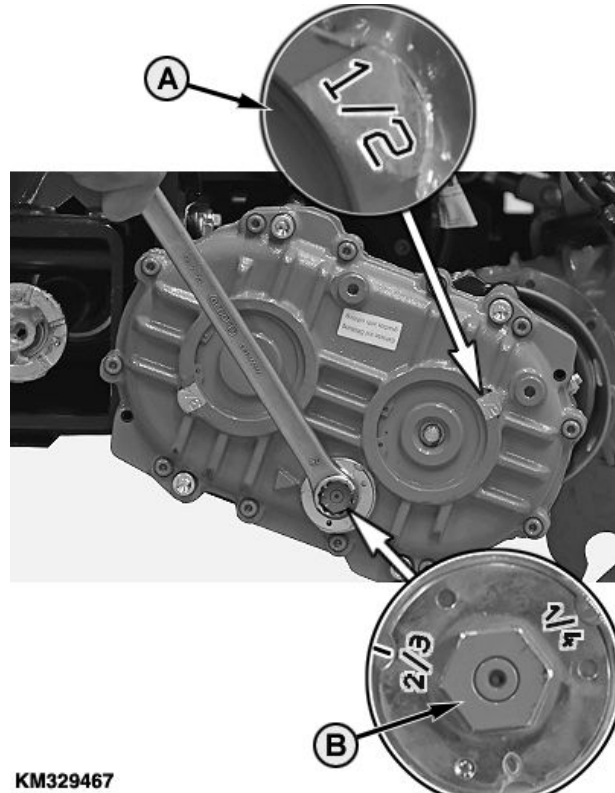
The first 2 speeds are selected by turning nut (B) on the outside of the drive.

The entire multi-speed drive can be rotated so that 2 more speeds (A) can be selected.

With the drive in the position shown, the first and second speeds can be selected.

A—First and Second Speed Positions

B—Nut (Second Speed Engaged)



KM329467

KM329467 —UN—10OCT17

jzsgtac,1679411306133 -19-24JUL23-1/3

Rotate the Multi-Speed Gearbox

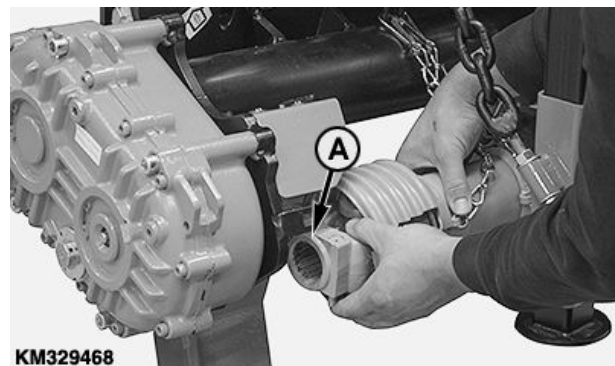
To select the third and fourth speeds, the drive must be rotated around its central axis.

To do so, proceed as follows:

1. Remove universal-jointed shaft (A) from gearbox.
2. Unfasten hex socket screws (B).

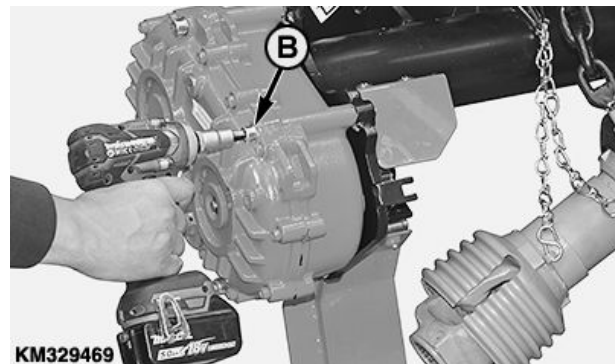
A—Universal-Jointed Shaft

B—Hex Socket Screws



KM329468

KM329468 —UN—05OCT17



KM329469

KM329469 —UN—05OCT17

Continued on next page

jzsgtac,1679411306133 -19-24JUL23-2/3

3. Rotate drive (C) through 180°.

NOTE: The gearbox can be rotated without taking it off.

4. Tighten hex socket screws (D) to specification.

Specification

Gearbox, Hex Socket

Screws—Torque..... 95 N·m (70 lb.-ft.)

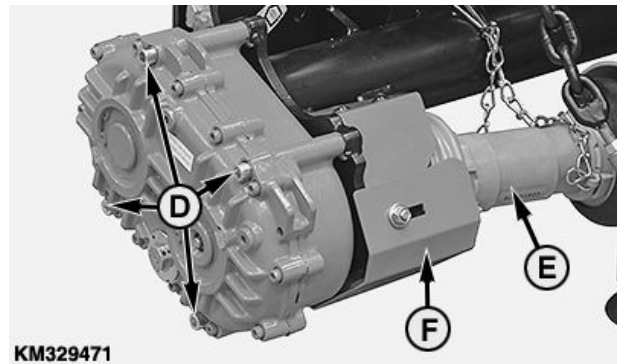
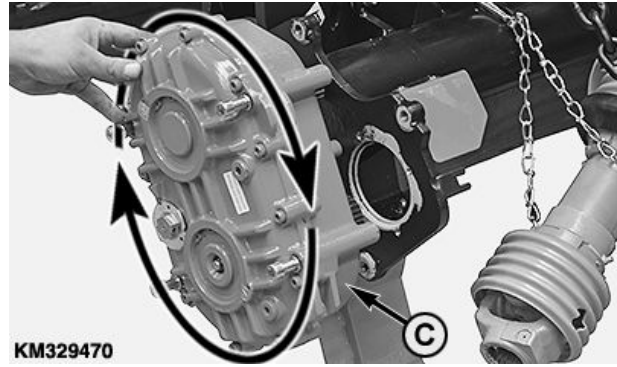
5. Re-install universal-jointed shaft (E) and shield (F).

C—Gearbox

E—Universal-Jointed Shaft

D—Hex Socket Screws

F—Shield



KM329470 —UN—05OCT17

KM329471 —UN—05OCT17

jzsgtac, 1679411306133 -19-24JUL23-3/3

Lengths of Cut and Gear Selection with Multi-Speed Gearbox for Claas Forage Harvesters

NOTE: The grayed out lengths of cut may under certain circumstances lead to problems in the material flow.

See table below to determine length-of-cut adjustment.

Lengths of cut in mm															
	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Gear selection (4 gears)															
20-knife cutterhead	-	-	1	1	1	2	2	3	3	3	4	4	4	4	4
24-knife cutterhead	-	1	1	1	2	2	3	3	4	4	4	4	4	4	4
28-knife cutterhead	1	1	1	2	2	3	3	4	4	4	4	4	4	-	-
36-knife cutterhead	1	2	2	3	3	4	4	4	4	4	-	-	-	-	-

Claas Forage Harvesters of types 498, 499 and 502 equipped with a variable header drive can change speed within the cutting length settings. In order to prevent very excessive drum speed, the 4th gear of the multi-speed transmission cannot be used here.

IMPORTANT: The auto mode with the variable header drive only works in 3rd gear.

NOTE: When the 3rd gear is operated with maximum variable speed, this corresponds with the 4th gear.

jzsgtac, 1679411330969 -19-26JUL23-1/1

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

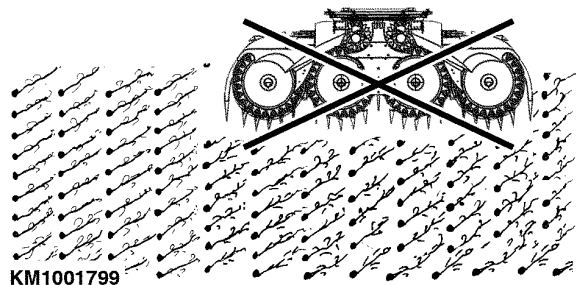
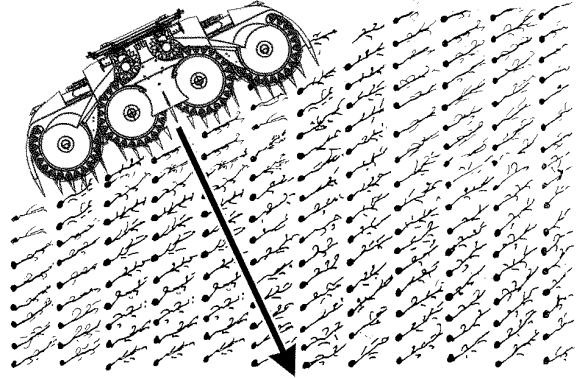
IMPORTANT: Avoid unnecessary wear at the clutches.
Always select forward gear from the idle setting.

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.

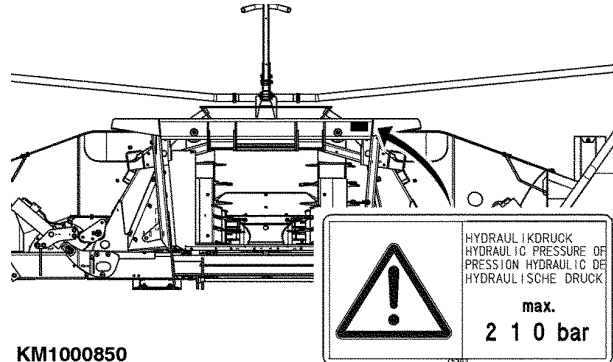


KM1001799 — UN — 11NOV11

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

Hydraulic System

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



KM1000850

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 output required if the harvest result is poor	Rotating blade segments are dull	Replace the rotating blades.
	Defective cleaners	Install new cleaners.
Rubbing noises at the mower blade	Rotor is dirty	Clean the rotor. If possible, the cutting area should be cleaned out before the unit is used.
	Defective cleaners	Install new cleaners.
Rotary harvesting unit is vibrating	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 is damaged	Replace both cleaners.
	Imbalance at rotating blade caused by excessive vertical play	Straighten the blades 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 is damaged	Replace both 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 Kemper dealer.
Transmissions overheating	Too much oil or too little oil in the transmission	Check oil level in the transmission and add or drain oil as necessary.
The gathering drums and rotating blades refuse to start	Claw clutch defective	See your Kemper dealer.
The entire left or right side of the unit stops rotating	Left or right friction clutch defective	See your Kemper dealer.
The unit refuses to unfold or fold	A foreign body (for example, grain of sand) is obstructing the restrictor	See your Kemper dealer.

Continued on next page

km00321,1690203347862 -19-24JUL23-1/2

Troubleshooting

Symptom	Problem	Solution
Poor cut with widely spaced rows	The unit is tackling seven rows of plants. The middle row is hindering the cut.	Tackle only six rows of plants. Contact your KEMPER dealer if necessary.
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
High wear on the claw clutches	The square pipes of the base frame are bent or misaligned due to a collision	Check that the square pipes of the base frame are correctly aligned and flush. If parts are damaged, replace.

km00321,1690203347862 -19-24JUL23-2/2

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

Grease

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

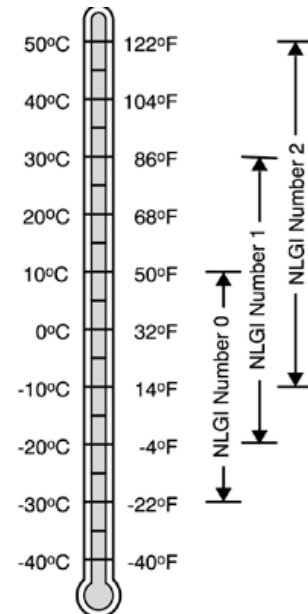
AVIA AVIALITH 2 EP grease is recommended.

Other greases may be used if they meet the following specification:

NLGI Service Classification GC-LB

IMPORTANT: Some types of grease thickeners are not compatible with others. Contact your lubricant supplier before mixing various types of lubricants.

KM1000899



KM1000899 — UN — 09JUN09

km00321,1682344334642 -19-24APR23-1/1

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:

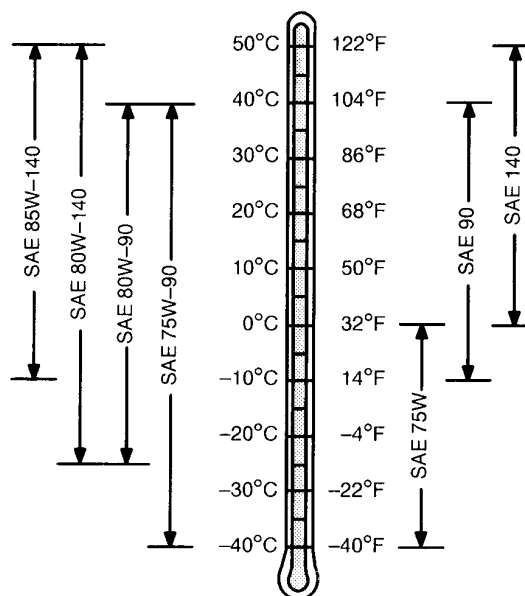
NLGI Performance Classification NLGI 00

KM00321,0000351 -19-14JUL10-1/1

Gear Oil

Use oil with a viscosity based on the expected air temperature range during the period between oil changes.

Transmission oils must meet API Service Classification GL-5.



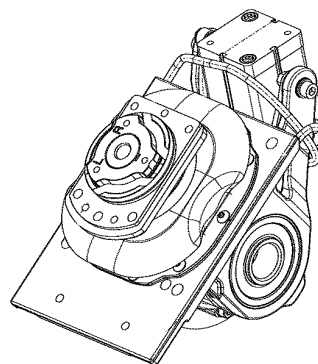
TS1653 —UN—14MAR96

km00321,1682344640035 -19-24APR23-1/1

Gear Oil for StalkBuster™ Transmissions

The following oil is required for the StalkBuster™ transmissions:

- Castrol Alphasyn EP 150



KM532379

KM532379 —UN—04MAR22

KM00321,0000CC3 -19-24JUL23-1/1

Coolant for Main Drive Friction Clutch

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

Use a low silicate ethylene glycol base coolant concentrate. The mixing ratio is 50% concentrate and 50% water.

The coolant concentrate must be of a quality that protects the cast iron in the cooling system from cavitation corrosion.

A 50% mixture of ethylene coolant in water provides freeze protection to -37°C (-34°F). If protection at lower

temperatures is required, consult your KEMPER 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 based coolant concentrate.

Coolant Change Intervals

Drain coolant from the main drive friction clutch, flush the cooling system and refill with new coolant after the first 3 years or 3000 hours of operation. At each interval, drain the coolant, flush the cooling system, and refill with new coolant.

km00321,1682344701976 -19-24APR23-1/1

Alternative and Synthetic Lubricants

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

Some lubricants may not be available in your location.

Consult your KEMPER dealer to obtain information and recommendations.

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

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

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

km00321,1682344805892 -19-24APR23-1/1

Mixing 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 Kemper dealer to obtain information and recommendations.

km00321,1682344926139 -19-24APR23-1/1

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.

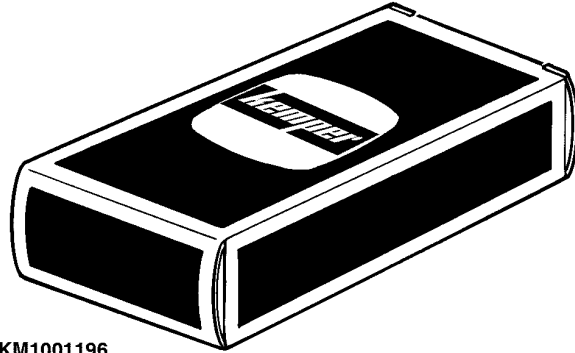
km00321,1682344969170 -19-24APR23-1/1

Use Genuine Kemper Parts

Genuine Kemper parts have been specifically designed for Kemper machines.

Other parts are neither examined nor released by Kemper. Installation and use of such products could have negative effects upon the design characteristics of Kemper machines and thereby affect their safety.

Avoid this risk by using only genuine Kemper parts.



KM1001196

KM1001196 —UN—03MAY10

km00321,1682345027370 -19-24APR23-1/1

Release Pneumatic Pressure from the StalkBuster™ Units

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

1. Turn the 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).

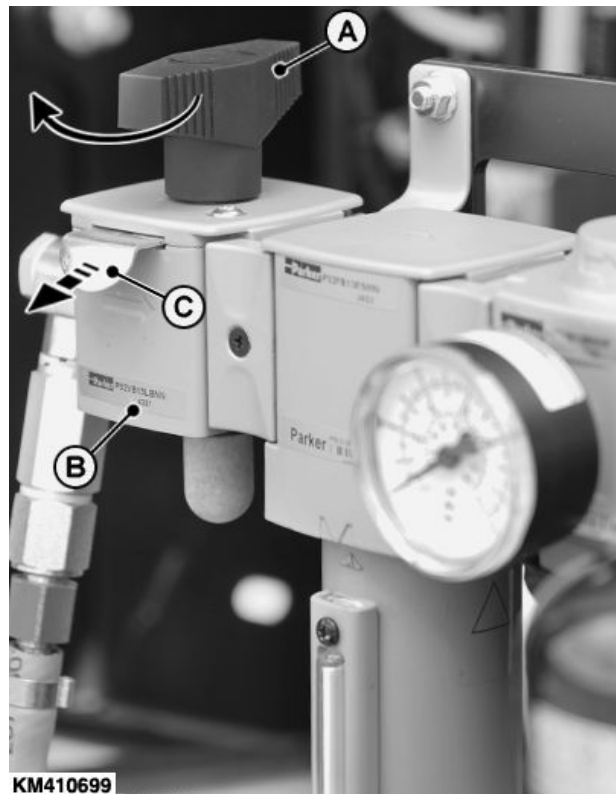
2. Pull lever (C) in the direction of the arrow. Then secure the lever (C) with a padlock to prevent accidental activation of the pneumatic pressure.
3. Disconnect pneumatic hose (C) from the forage harvester.

A—Knob

B—Control Valve

C—Lever

D—Pneumatic Hose



KM410699

KM410699 —UN—17APR24



KM508703

KM508703 —UN—10MAY21

km00321,1690204405644 -19-17APR24-1/1

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

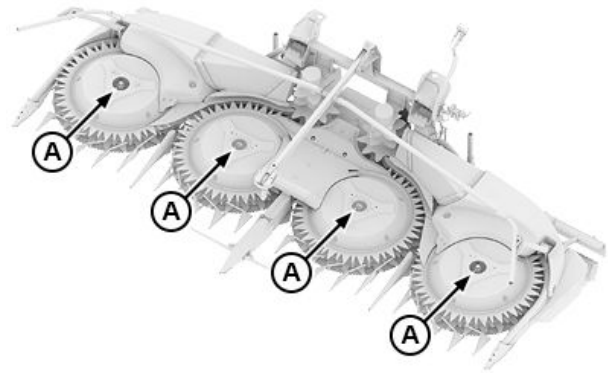
The torques of the spherical collar bolts (A) must be checked prior to each harvesting season and adjusted where necessary.

The torque setting is:

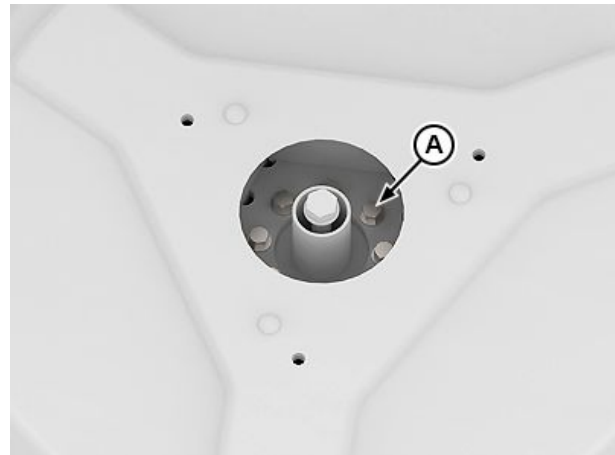
Specification

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

A—Bolts



KM584047 —UN—29JUN23



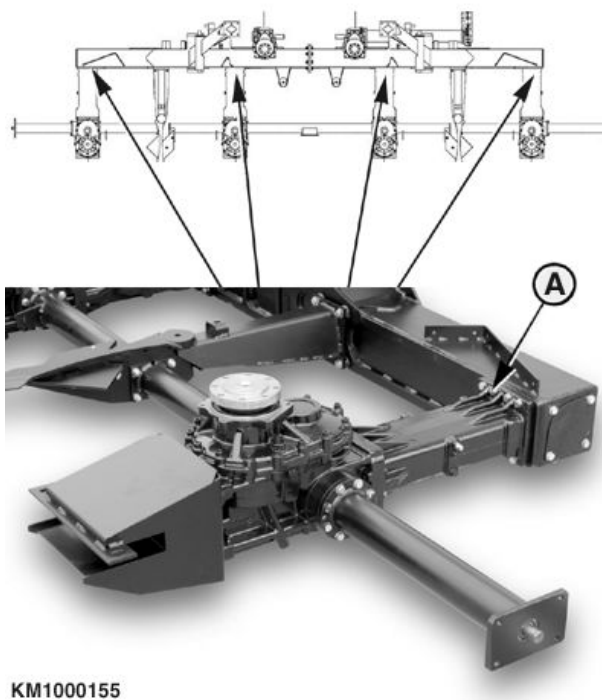
KM574686 —UN—28APR23

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

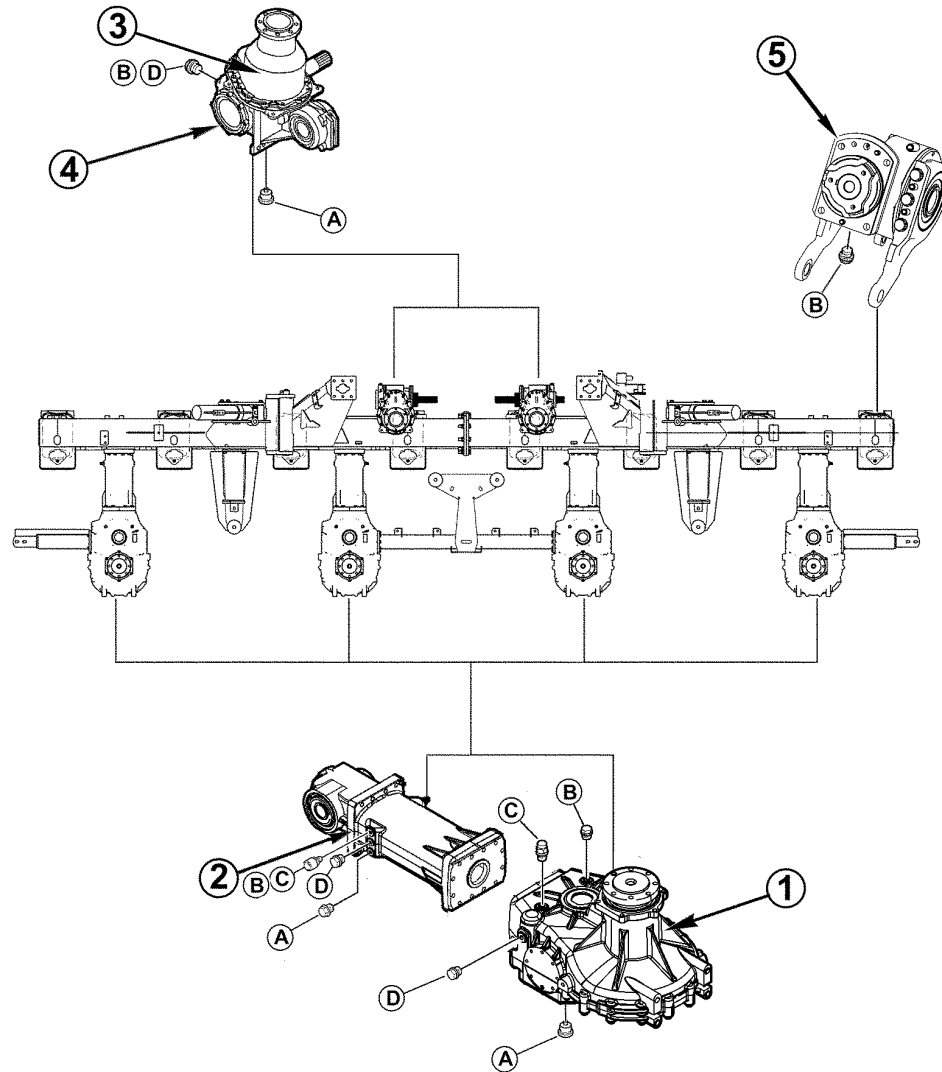
A—Screw

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



KM533090

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—Bevel Gear Drive - 1.5 L (0.4 US. gal.)

3—Gathering drum spur-gear angle drive (with a lifetime filling of 1.1 kg (2.42 lb) low-viscosity grease)

4—Spur-Gear Angle Drive - 1.1 L (0.29 US. gal.)

5—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 in service.

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.

km00321,1690206243971 -19-24JUL23-1/1

KM533090—UN—08MAR22

Overview of Oil Levels in Input Transmission

Rotary harvesting units for CLAAS forage harvesters

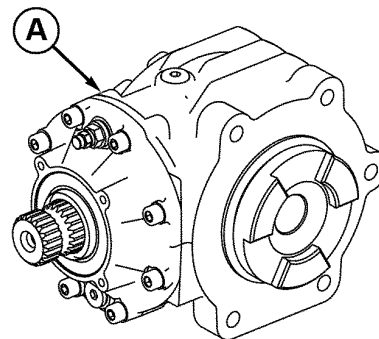
Check the Oil Level in 4-Speed Multi-Speed Gearbox:

Raise rotary harvesting unit slightly so that it is horizontal. The oil level must now reach the bottom edge of the oil level plug (C).

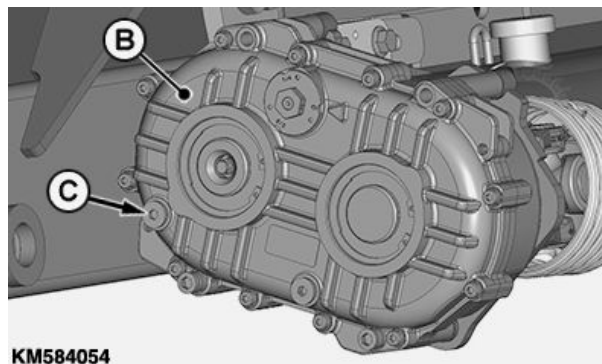
A—Bevel Gear Drive for Quick-coupler - 1.2 L (0.31 U.S. gal.)

B—4-Gear Multi-Speed Gearbox - 1.25 L (0.33 U.S. gal.)

C—Level Plug



KM412051



KM584054

KM412051 —UN—16JUN20

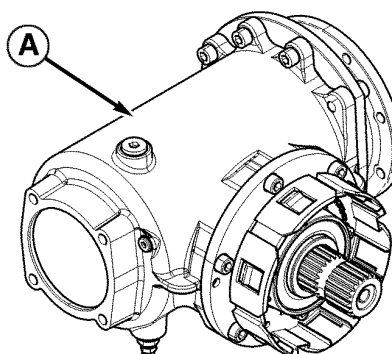
KM584054 —UN—24JUL23

km00321,1690206411957 -19-24JUL23-1/3

Rotary harvesting units for FENDT forage harvesters (types T650, T652 and T653)

NOTE: See the forage harvester type serial number plate for the exact type designation.

A—Bevel Gear Drive - 0.8 L (0.21 U.S. gal.)



KM329473

Continued on next page

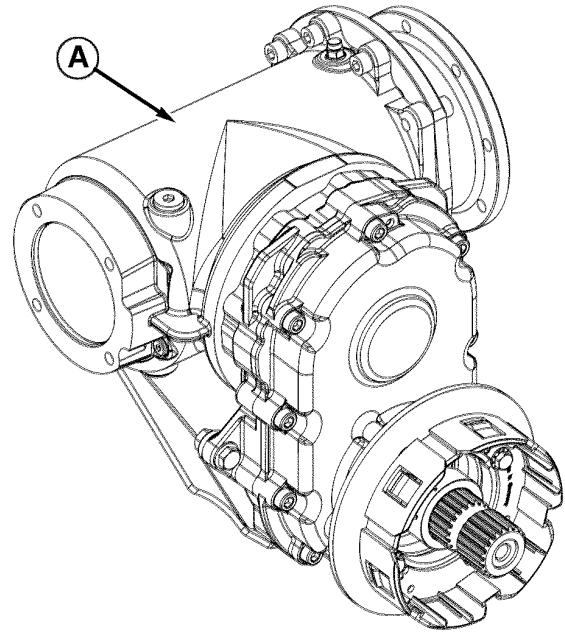
km00321,1690206411957 -19-24JUL23-2/3

KM329473 —UN—06OCT17

**Rotary harvesting units for FENDT forage harvesters
(types T658 and T659)**

*NOTE: See the forage harvester type serial number
plate for the exact type designation.*

**A—Bevel Gear Drive - 2.0 L
(0.53 U.S. gal.)**



KM417112

km00321,1690206411957 -19-24JUL23-3/3

KM417112 —UN—29OCT20

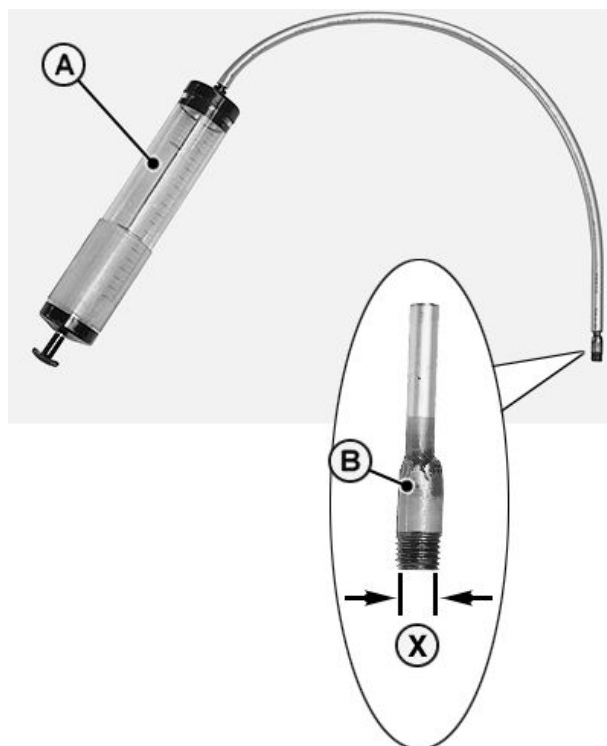
Oil Hand Pump for the Oil Change in StalkBuster™ Transmissions

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

KM00321,0000B59 -19-24JUL23-1/1

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).

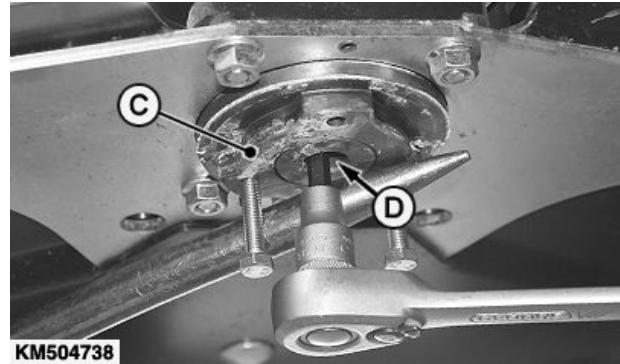
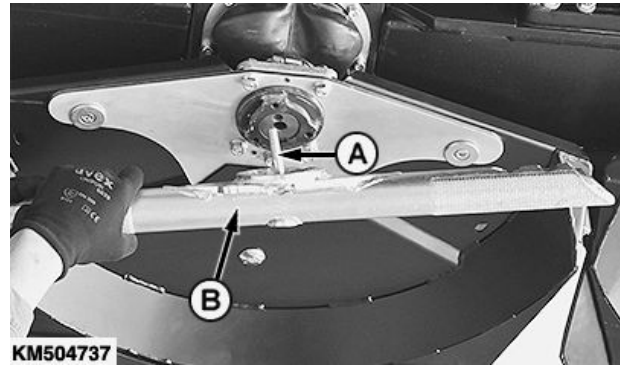
IMPORTANT: Before removing the drain screw (D), make sure that the hex socket wrench is in a good condition to prevent damage to the head of the drain screw (D).

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

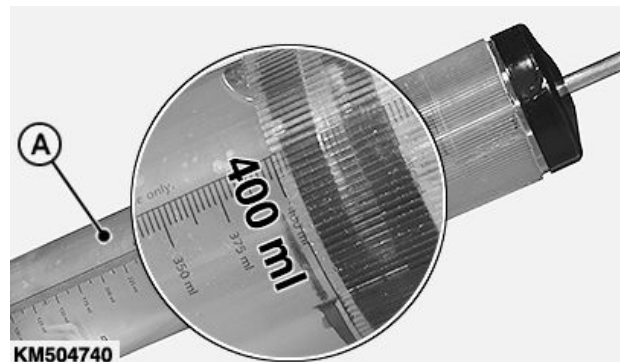


km00321,1688392990817 -19-03JUL23-1/5

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



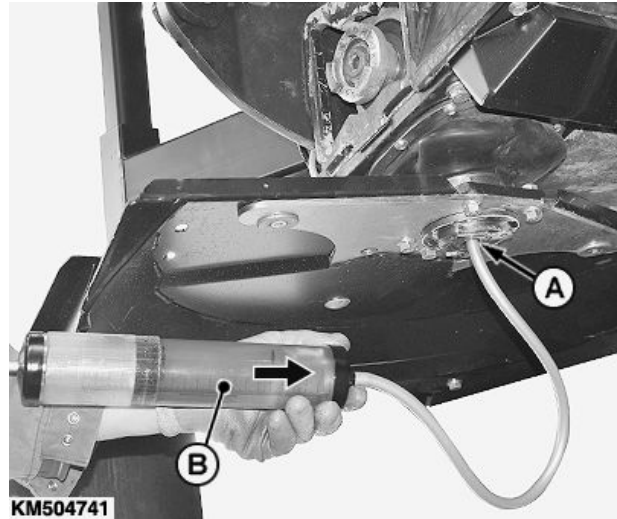
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km00321,1688392990817 -19-03JUL23-2/5

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



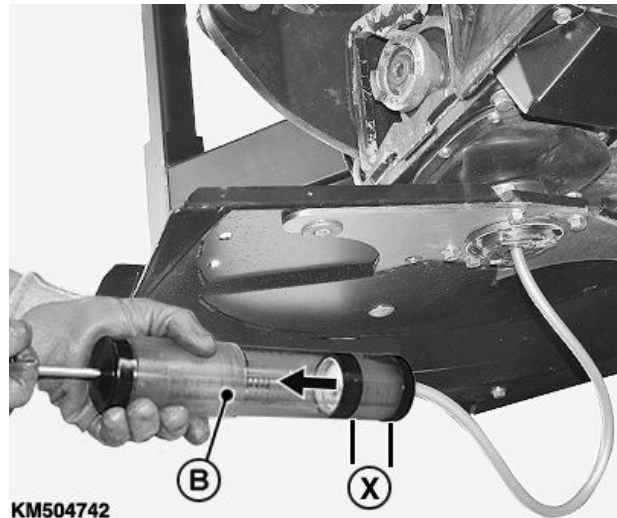
KM504741 —UN—14APR21

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

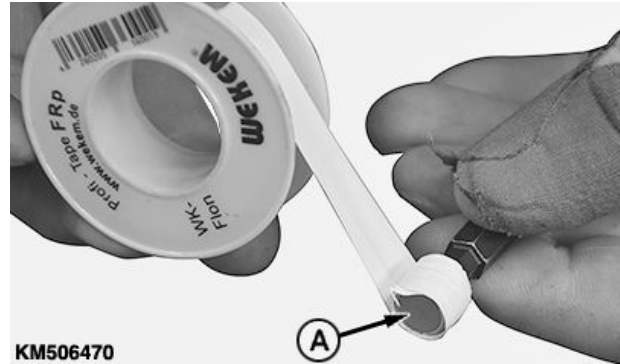
5. Attach thread sealing tape to the drain screw (A).
6. Remove the oil hand pump and then reinstall drain screw (A) immediately to prevent oil loss.
7. Tighten drain screw (A) to specification.

Specification

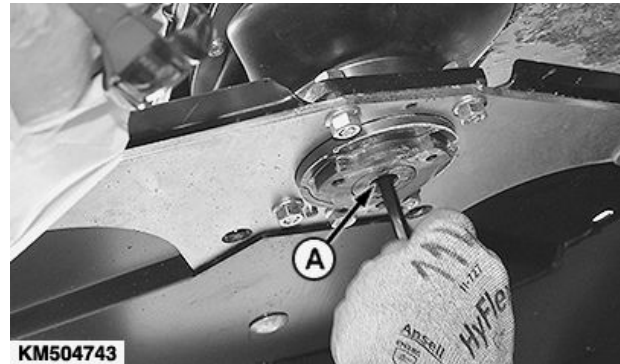
Drain Screw—Torque..... 10 N·m (7.4 lb·ft)

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

A—Drain Screw



KM506470



KM504743

KM506470—UN—14APR21

KM504743—UN—14APR21

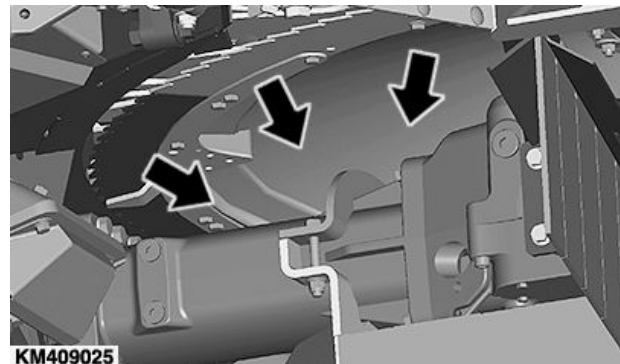
km00321,1688392990817 -19-03JUL23-5/5

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.



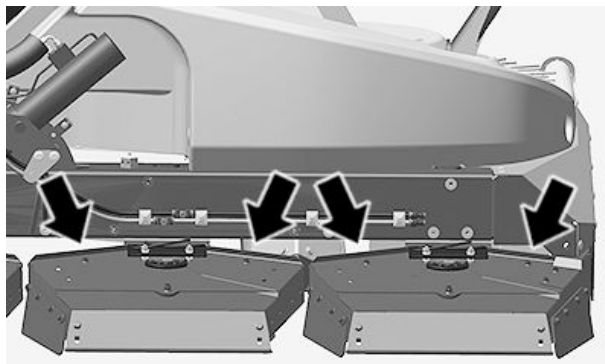
KM409025

KM409025—UN—27MAR20

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

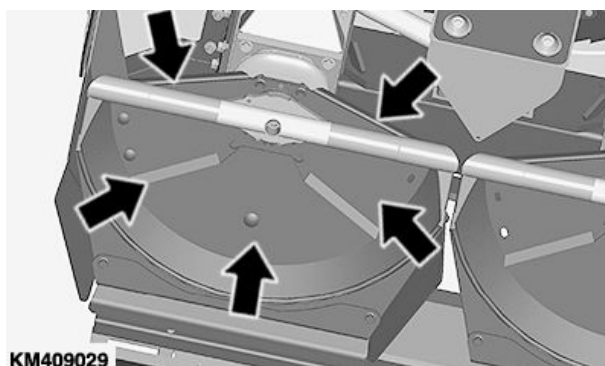
2. Check and clean the area between the square tube of the base frame and the covers of the StalkBuster™ mulching units.



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.

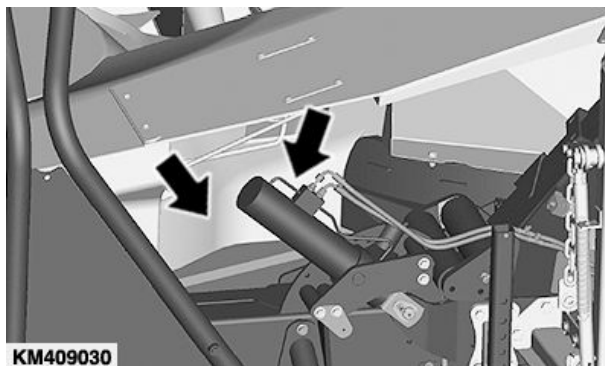


KM409029

KM409029 —UN—27MAR20

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

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



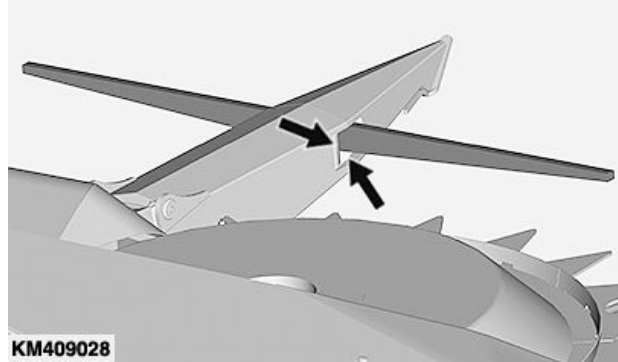
KM409030

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

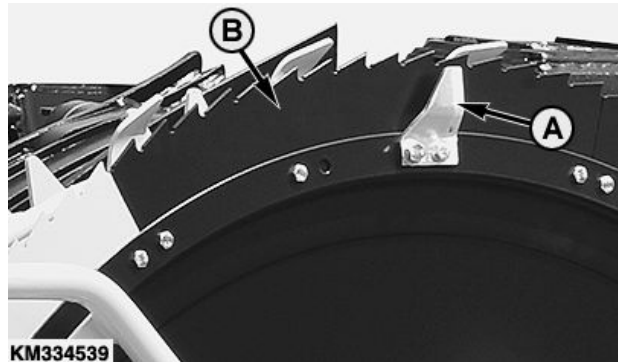
Every 10 Hours—Cleaners and Blade Rotor Segments

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

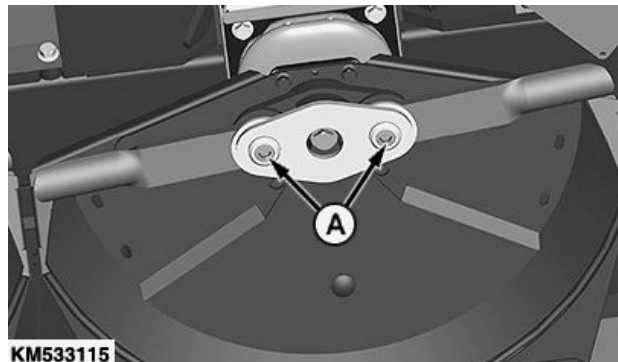
Check attaching screws (A) of the articulated rotors for correct torque.

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.

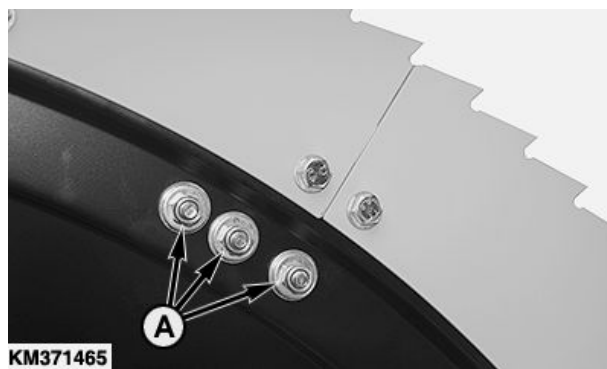
Insert screws with Loctite® 270 and tighten to the specified torque.

Specification

Attaching Screws
of Balancing

Weights—Torque..... 25 N·m (18.5 lb·ft)

Loctite is a trademark of Henkel Corporation



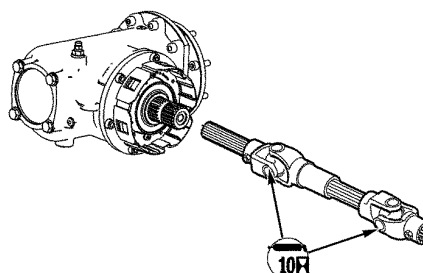
KM371465 —UN—05MAR19

A—Balancing Weights

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

Every 10 Hours—Drive Shaft

Lubricate with grease.



KM412041

KM412041 —UN—15MAY20

km00321,1690207023690 -19-24JUL23-1/1

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



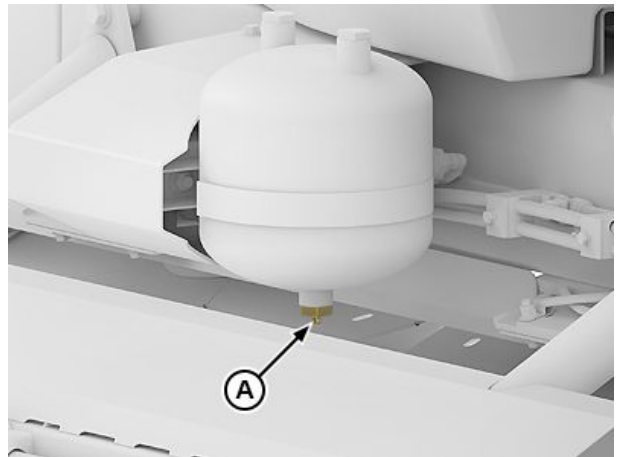
KM584057 —UN—27JUL23

km00321,1690462843967 -19-27JUL23-1/1

Every 10 Hours—StalkBuster™ Accumulator

Pull ring (A) and drain condensation.

A—Ring

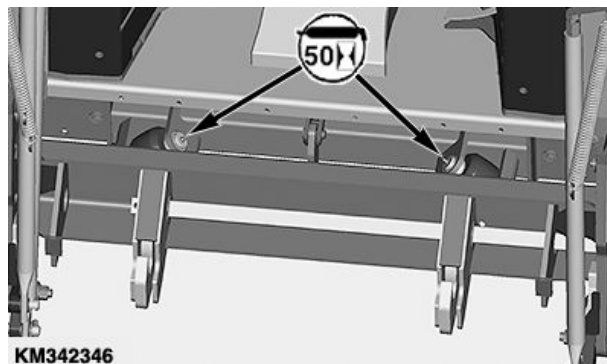


KM584048 —UN—29JUN23

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

Every 50 Hours—Lower Rollers of Tilt Frame (Headers for Claas Forage Harvesters)

Lubricate with grease.

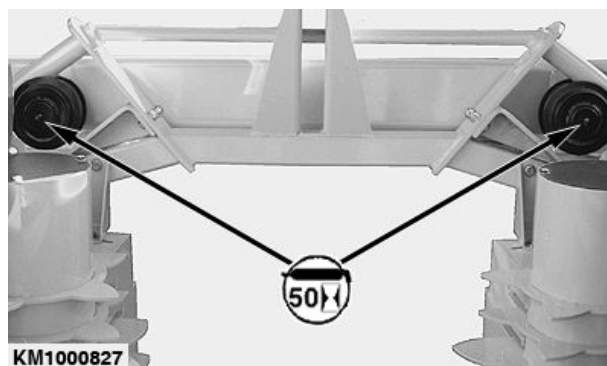


KM342346 —UN—24JAN18

jzsgtac,1679473842231 -19-05MAY23-1/1

Every 50 Hours—Upper Rolls of Tilt Frame (Headers for Claas Forage Harvesters)

Lubricate with grease.



KM1000827 —UN—25MAR09

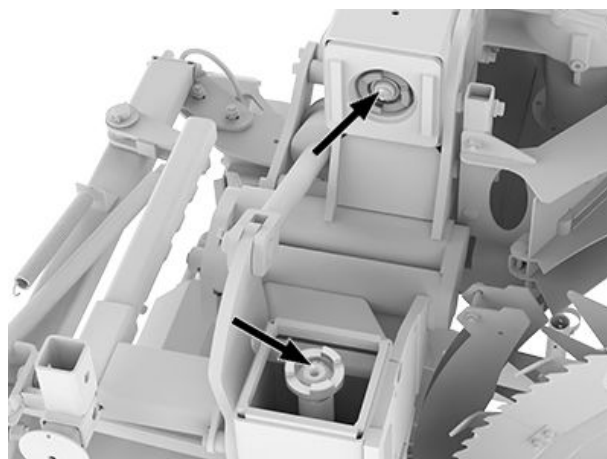
jzsgtac,1679473842511 -19-05MAY23-1/1

Every 50 Hours—Claw Couplings

Clean all claw couplings (see arrows).

Lubricate with grease.

Lay also a film grease on the grooved surface of the clutch claws, using a brush.

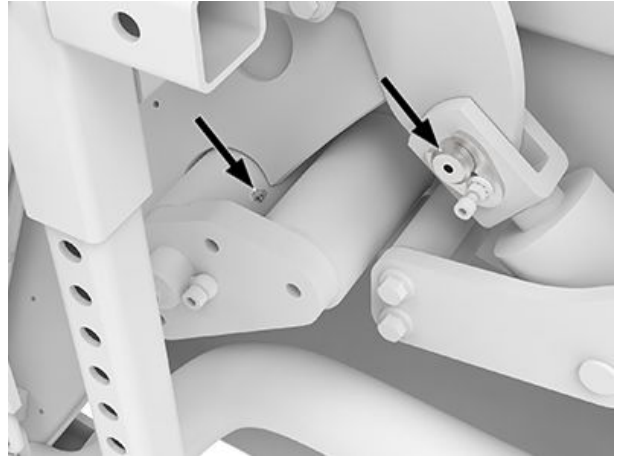


KM574671 —UN—28APR23

km00321,1683106999316 -19-03MAY23-1/1

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

Lubricate with grease.

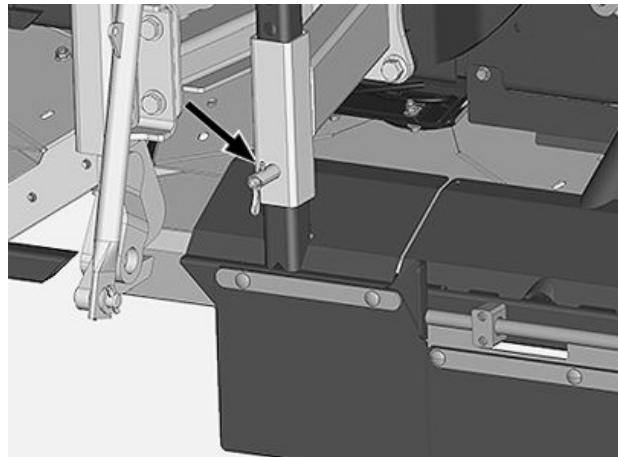


KM574673 —UN—28APR23

km00321,1683107106137 -19-03MAY23-1/1

Every 50 Hours—Spring-Loaded Pins

Lubricate with grease.



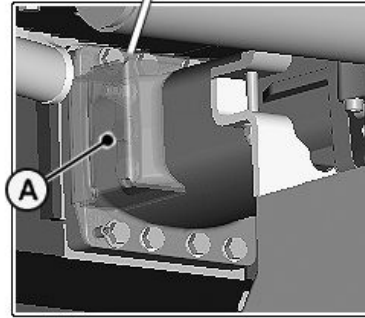
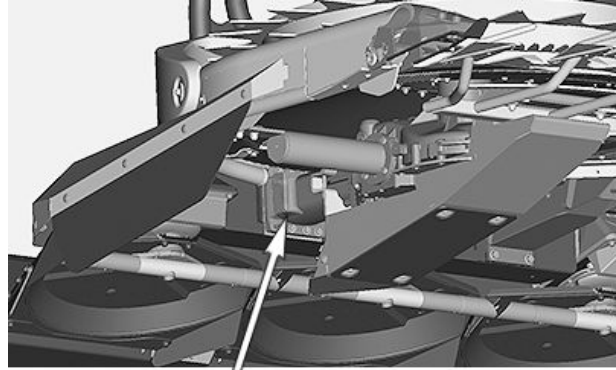
KM584055 —UN—26JUL23

km00321,1690272850969 -19-25JUL23-1/1

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

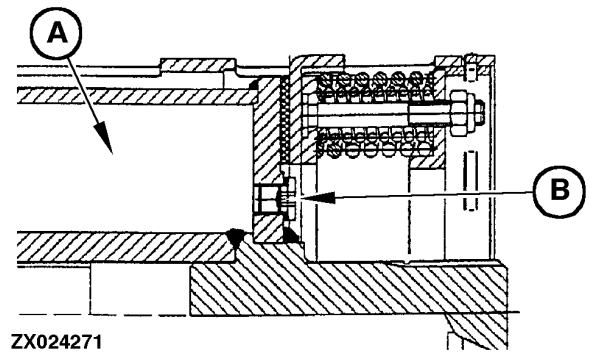
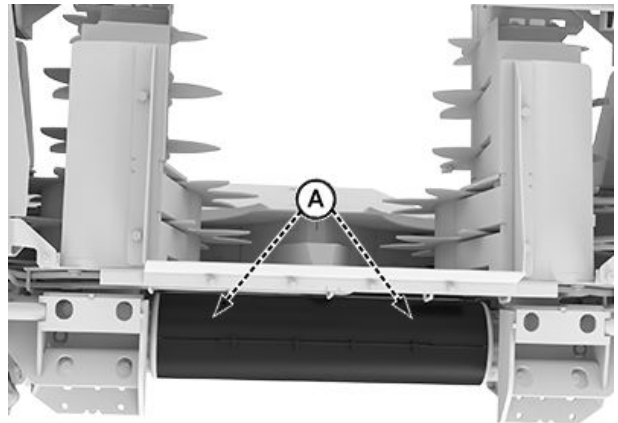
Every 3 Years—Change Coolant of Main Drive Friction Clutch

CAUTION: Never attempt to open drain or filler plug (B) when the friction clutch is hot! Wait until friction clutch has cooled down. First loosen plug (B) by one turn to relieve pressure.

The cavity of the friction clutch (A) can be drained and refilled. This service work requires the friction clutch to be removed from the machine. Therefore it is advised to contact your KEMPER dealer to drain/refill the friction clutch.

Specification

Main drive friction clutch
cavity—Capacity..... 1.3 L (0.26 US gal.)



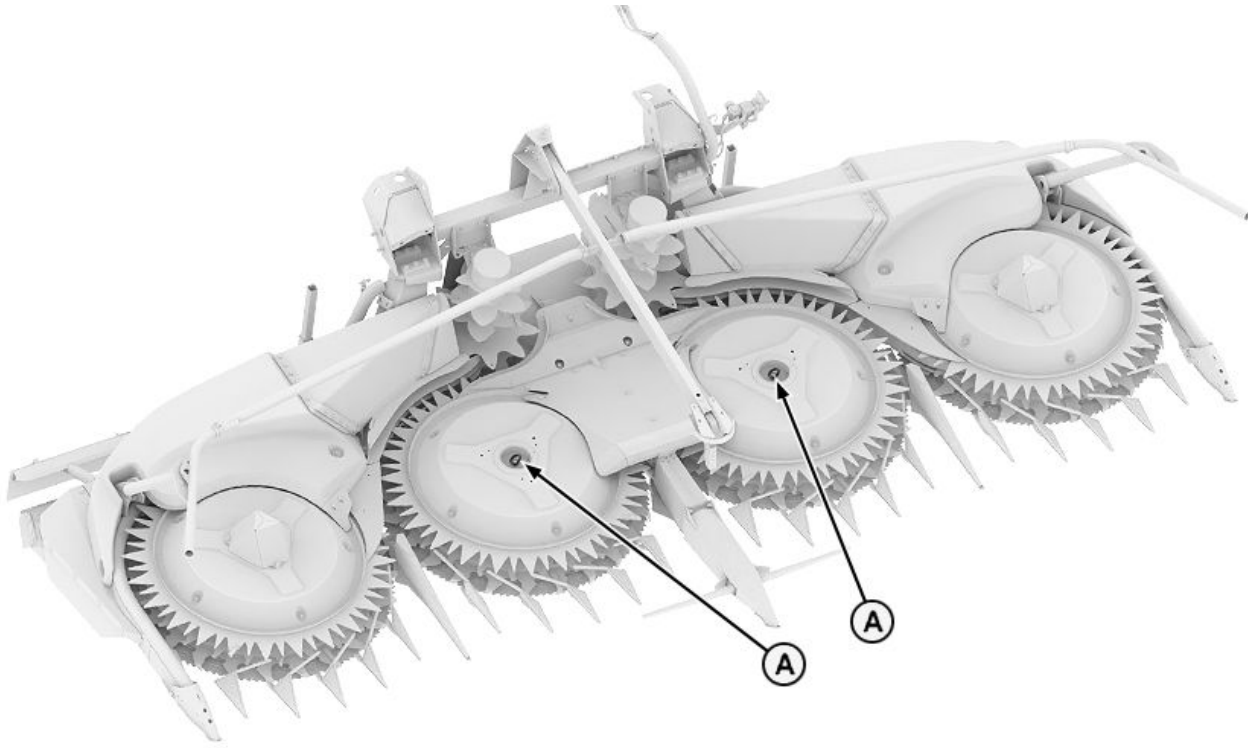
ZX024271

jzsgtac,1679473842160 -19-03MAY23-1/1

KM574679 —UN—28APR23

ZX024271 —UN—07MAR01

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

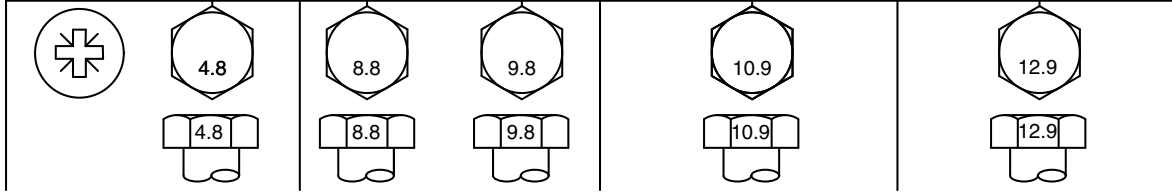
IMPORTANT: Only properly serviced units give the best results.

km00321,1690207562177 -19-24JUL23-1/1

Service

Metric Bolt and Screw Torque Values

TS1742 —UN—31MAY18



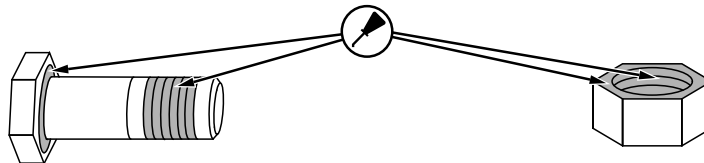
Bolt or Screw Size	Class 4.8				Class 8.8 or 9.8				Class 10.9				Class 12.9			
	Hex Head ^a		Flange Head ^b		Hex Head ^a		Flange Head ^b		Hex Head ^a		Flange Head ^b		Hex Head ^a		Flange Head ^b	
	N·m	lb·in	N·m	lb·in	N·m	lb·in	N·m	lb·in	N·m	lb·in	N·m	lb·in	N·m	lb·in	N·m	lb·in
M6	3.6	31.9	3.9	34.5	6.7	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 the StalkBuster™ Units

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

1. Turn the 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).

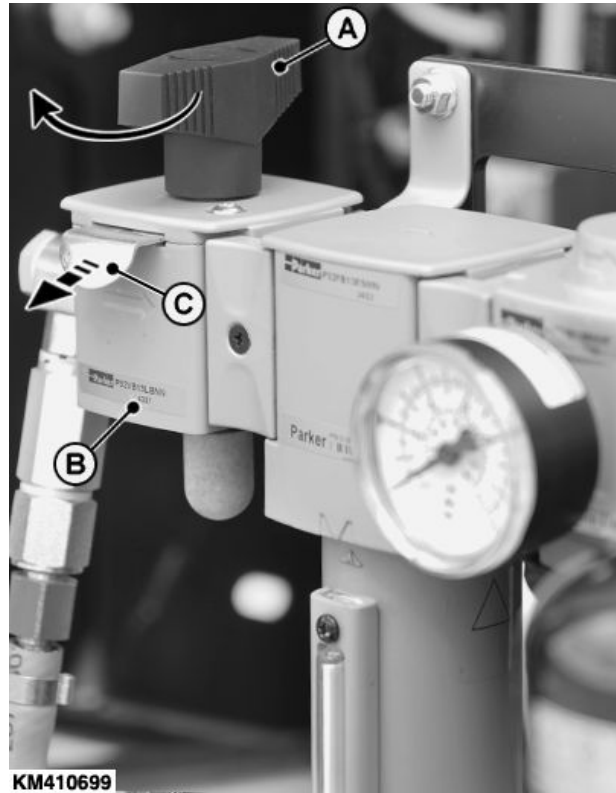
2. Pull lever (C) in the direction of the arrow. Then secure the lever (C) with a padlock to prevent accidental activation of the pneumatic pressure.
3. Disconnect pneumatic hose (C) from the forage harvester.

A—Knob

B—Control Valve

C—Lever

D—Pneumatic Hose



KM410699 —UN—17APR24

KM508703 —UN—10MAY21

km00321,1690204405644 -19-17APR24-1/1

Relieving Pressure at the Slip Clutches on the Main Drive

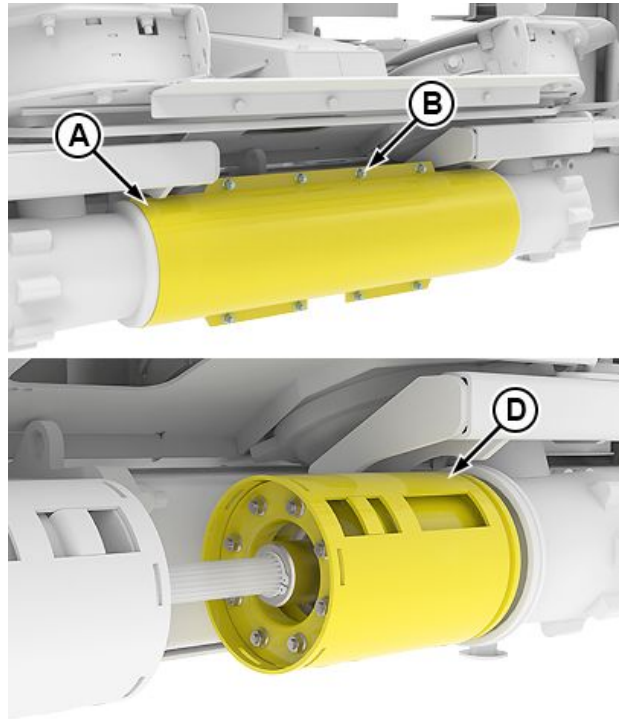
CAUTION: Before making any adjustments or doing any service work, always:

- 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

km00321,1690376233750 -19-26JUL23-1/2

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 Kemper dealer once every year.



KM569718—UN—05APR23

km00321,1690376233750 -19-26JUL23-2/2

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:

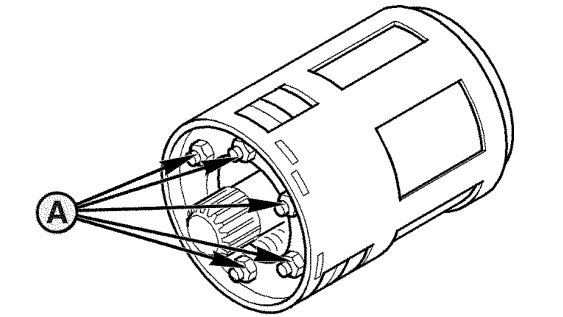
1. Remove clutches from harvesting unit.
2. Tighten the nuts (A). This relieves pressure on the friction plates.
3. First remove bushing (I) from housing (B).
4. Then remove all parts of friction clutch from housing (B).
5. Clean all parts, especially the friction disks (C, E). Replace worn parts.
6. 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:

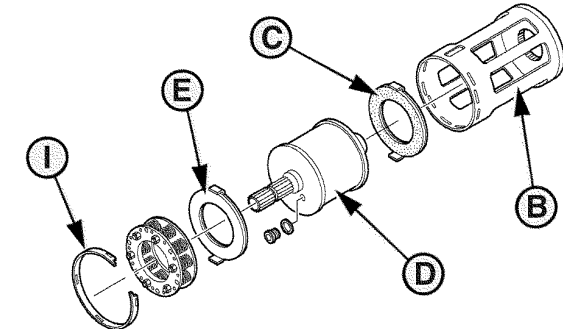
IMPORTANT: The specified torque of 900 N·m should not be exceeded.

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

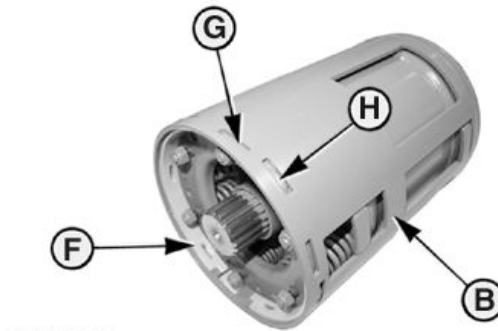
- | | |
|--|-----------------|
| A—Nut | E—Friction disk |
| B—Housing | F—Profile |
| C—Friction disk | G—Outer recess |
| D—Coolant fluid reservoir - 1.3 L (0.34 US. gal) | H—Inner recess |
| — 0.65 L (0.17 US gal.) Water | I—Bushing |
| — 0.65 L (0.17 US gal.) Anti-freezing compound | |



KM1000160



KM1000161



KM1000162

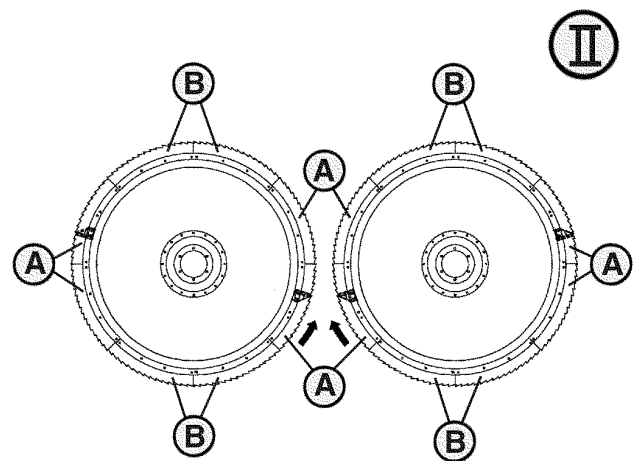
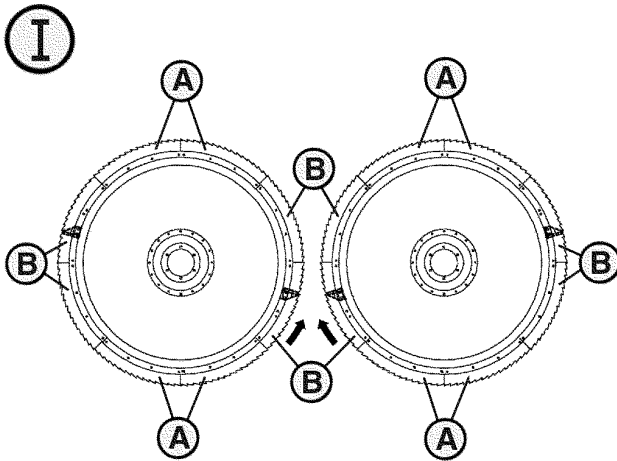
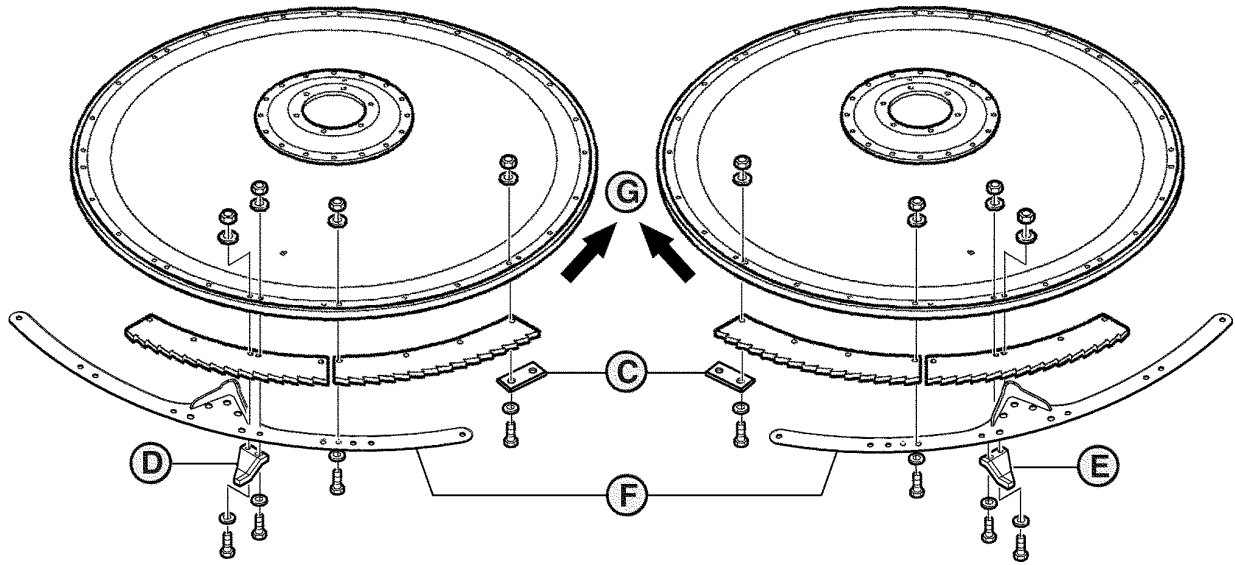
KM1000160 —UN—16OCT07

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

KM380936 — LUN — 04JUN19

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

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

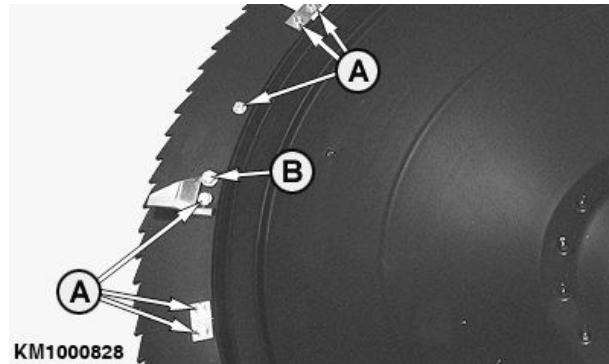
Tighten all attaching screws of blade segments and cleaners with the specified torque.

Specification

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

A—M8 Screws

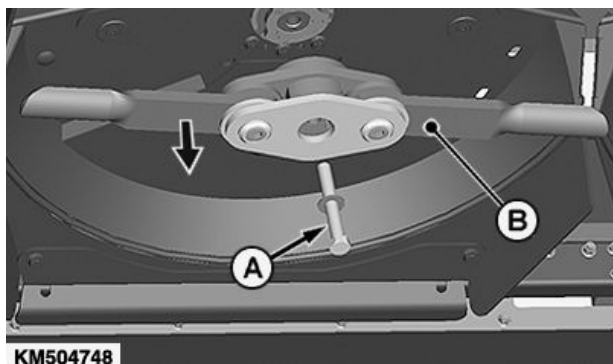
B—M10 Screws



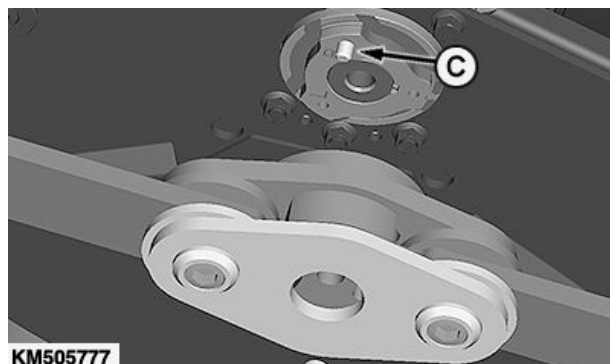
KM1000828 —UN—26MAR09

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.

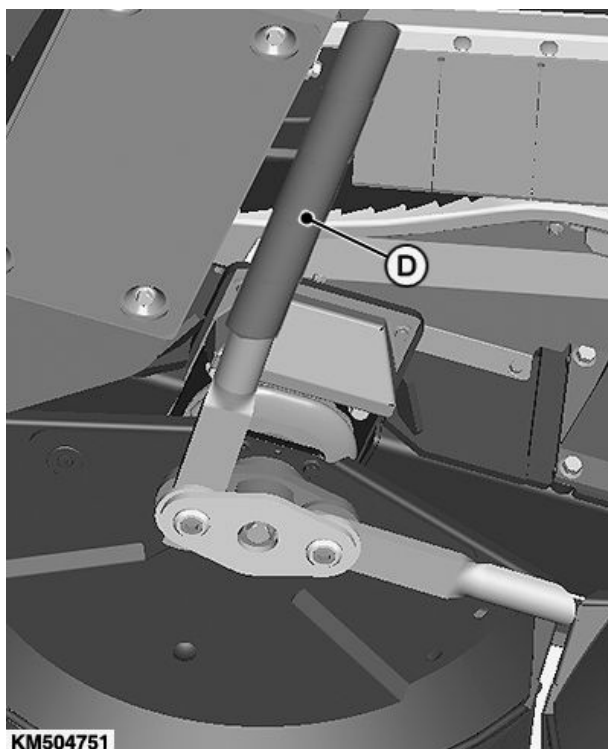
3. Secure the rotor against twisting by using a tube (D) with an inner diameter of at least 60 mm (2.36 in). Lay the tube (D) against the frame.
4. Tighten the cap screw (A) to the specified torque.

Specification

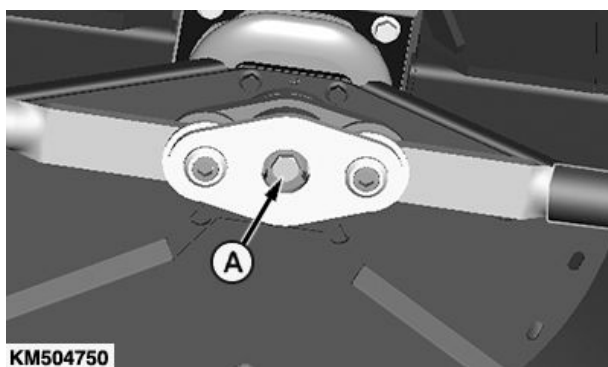
Cap Screw—Torque..... 215 N·m (159 lb-ft)

A—Cap Screw
B—Rotor

C—Pin
D—Tube



KM504751 —UN—14APR21



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.

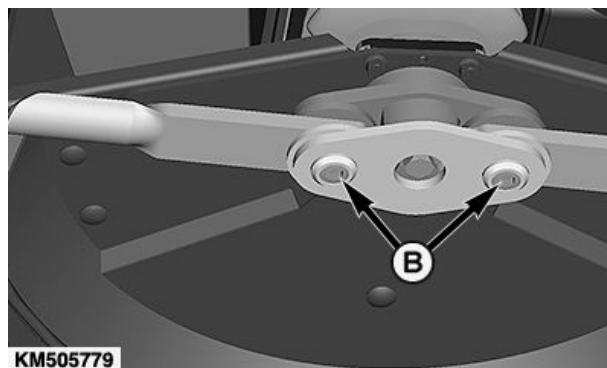
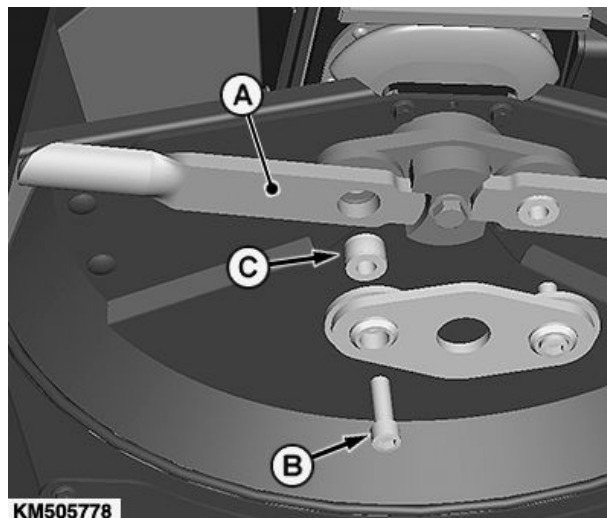
Specification

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

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.).

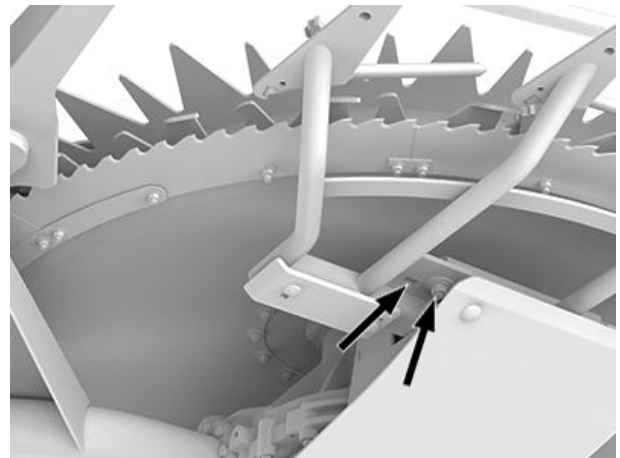
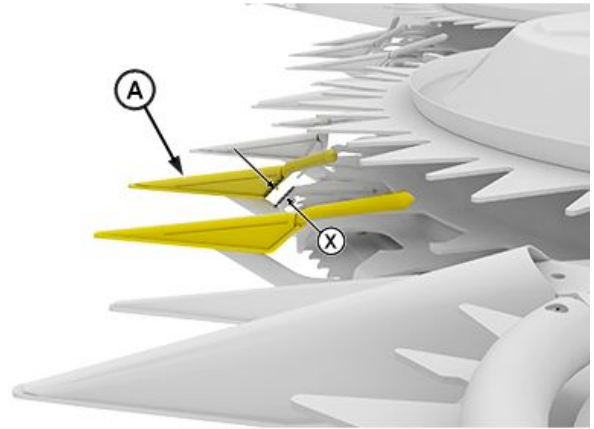
The specified distance (X) can be adjusted by means of two slot holes (see arrows).

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.)



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

KM574680 —UN—28APR23

KM574681 —UN—28APR23

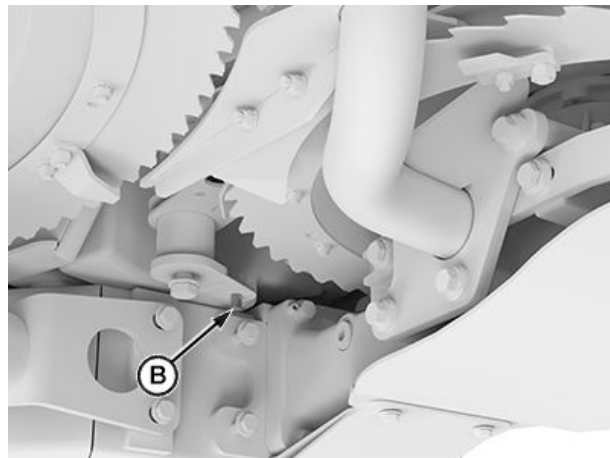
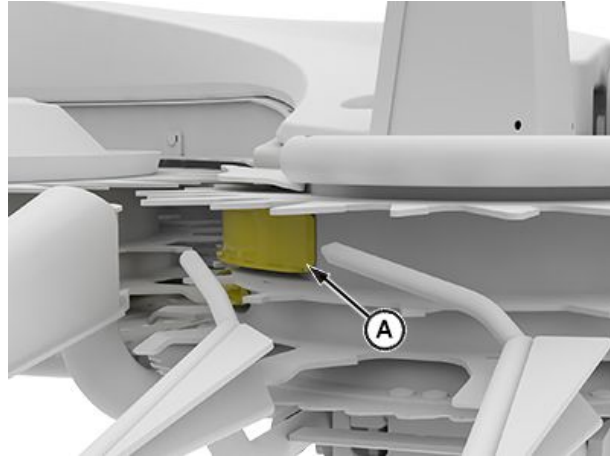
Checking Adjustment of Scrapers

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

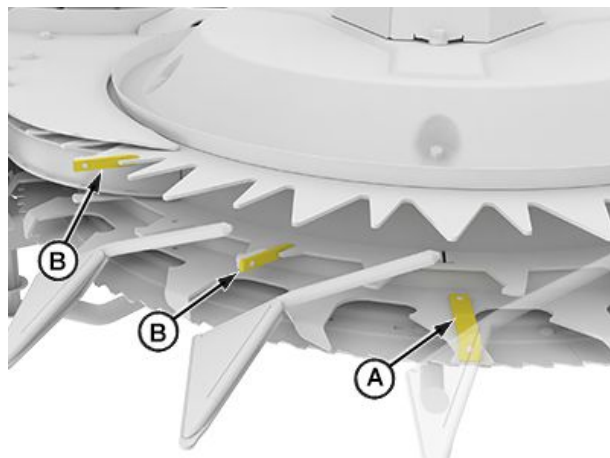
Checking Cleaners

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

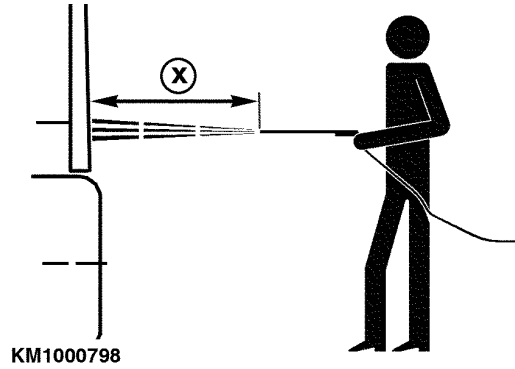
Cleaning Rotary Harvesting Unit

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)



X—250 mm (9.84 in.)

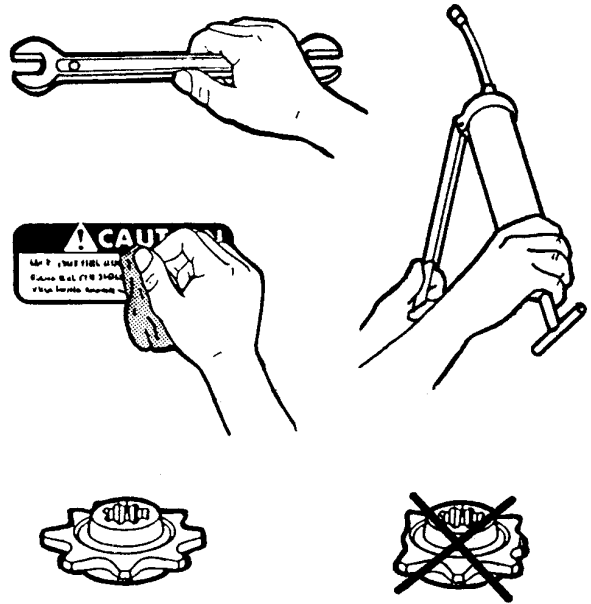
KM1000798 —UN—09MAR09

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 Kemper dealer.
- Touch up the paintwork if required, and clean the decals.



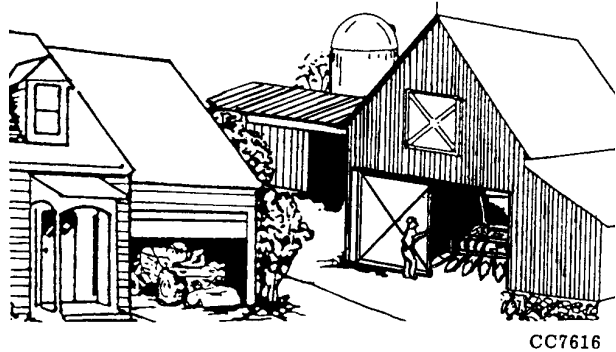
KM1000902

KM1000902 —UN—12JUN09

km00321,1690376323540 -19-26JUL23-1/1

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 KEMPER 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.

km00321,1682433410408 -19-25APR23-1/1

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	
460 ^{pro} StalkBuster™ for Claas forage harvesters	3700 kg (8157 lb.)
460 ^{pro} StalkBuster™ for Fendt forage harvesters	3500 kg (7716 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.

km00321,1690370569748 -19-17APR24-1/1

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

Name and address of the person 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

RXA0179545 —UN—16APR21

KM510637 —UN—18JUN21



Richard Wübbels, Manager Product Engineering

km00321,1687521329675 -19-17APR24-1/1

Serial Number

Rotary Harvesting Unit Serial Number Plate

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

The diagram shows a serial number plate for Maschinfabrik KEMPER. It includes fields for Type/Model designation, Product Identification Number, Weight, and Max. axle load. It also features a CE mark, UKCA mark, and construction year/model year fields. Labels A through F point to specific parts of the plate: A points to the company name, B to the Type/Model designation, C to the Product Identification Number, D to the Weight field, E to the Construction year field, and F to the Model year field.

Maschinfabrik KEMPER

Type / Model designation

Product Identification Number

Weight KG

Max. axle load

Constr. year

Model year

CE UKCA

Maschinfabrik Kemper GmbH & Co KG 48703 Stadthoehn

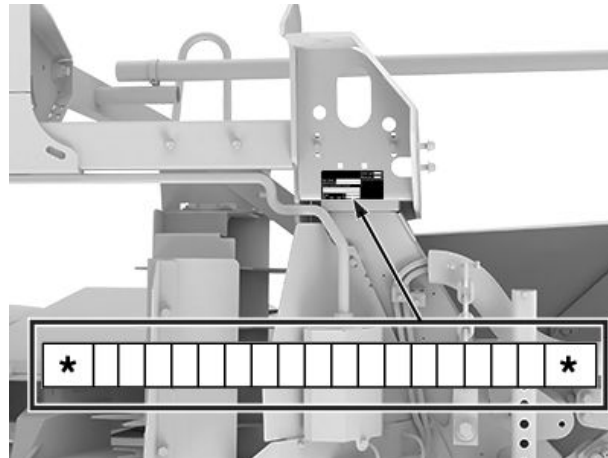
KM521566

km00321,1690370771252 -19-26JUL23-1/1

KM521566 —UN—25OCT21

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.



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

KM575579 —UN—28APR23

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