# C30 and C35 Pickups

## OPERATOR'S MANUAL

## C30 and C35 Pickups

**OMKM156980 ISSUE K5 (ENGLISH)**

**Maschinenfabrik Kemper GmbH & Co. KG**

**European Edition**

PRINTED IN U.S.A.

# Introduction

## Foreword

READ THIS MANUAL carefully to learn how to operate and service your machine correctly. Failure to do so could result in personal injury or equipment damage. This windrow pickup 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. Please contact your KEMPER dealer.

THIS MANUAL MUST 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. Use only correct replacement parts and fasteners. Metric and inch fasteners may require a specific metric or inch wrench.

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

THE TERM "TRANSPORT" refers to a windrow pickup mounted on a forage harvester and transported from A to B on the forage harvester.

THE TERM "HAULAGE" refers to a windrow pickup loaded on a flatbed carrier and transported from A to B on the flatbed carrier.

LOADING AND HAULING of this windrow pickup 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 "Specifications" or "Product Identification Numbers" sections. Accurately record all the numbers to help in tracing the machine should it be stolen. Your KEMPER dealer also 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 WINDROW PICKUP may be used ONLY for picking up crops that have already been cut, such as:

- Grass
- Leguminous crops
- Grain
- Alfalfa

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 WINDROW PICKUP MUST NOT be used to manually transfer materials of any sort and is not suitable for picking up:

- tree off-cuts and hedge trimmings
- wood
- 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 WINDROW PICKUP 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 windrow pickup will relieve the manufacturer of all liability for any resulting damage or injury.

KM00321,00008F9 -19-02APR19-1/1

## Dealer's Record

Owner's Name _____ Date Sold _____

Address _____ Model Number _____

City _____ Serial Number _____

State _____ Zip _____

AG,CC03745,280 -19-09FEB00-1/1

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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 ILLUSTRUCTION ™ Manual

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## Predelivery Inspection

The following predelivery service must be performed by the dealer. Check off each item as it is completed. Refer to the appropriate operator's manual/technical manual for detailed information**.**

□ Remove the transport pallet.

□ Check that parts delivered separately have been properly installed.

□ Visually check that the paint, decals, and general appearance are good.

□ Visually check for oil or coolant leaks.□ Visually check the screws and nuts to ensure that they are tightened.

□ Check that all grease fittings have been lubricated.□ All moving parts can move freely.

□ Check tire pressure; adjust if necessary. See Specifications section for correct tire pressure.

□ All shields are opening and closing properly.

□ Perform test of setting the pickup into working position and transport position.

□ Perform all calibration with the customer's forage harvester.

□ Perform test run.

**Rotary Harvesting Units for Claas Forage Harvesters Types 498, 499, and 502 Only:**

□ To use the variable header drive, perform programming steps as described in Section 30.

**Date:**

**Signature Dealer/Service Technician:**

km00321,1759994778158 -19-10OCT25-1/1

## Identification View

KM684998 —UN—01OCT25

*C30 Pickup*

km00321,1759329537930 -19-01OCT25-1/1

## Recognize Safety Information

This is a safety-alert symbol. When you see this symbol on your machine or in this manual, be alert to the potential for personal injury.

Follow recommended precautions and safe operating practices.

T81389 —UN—28JUN13

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

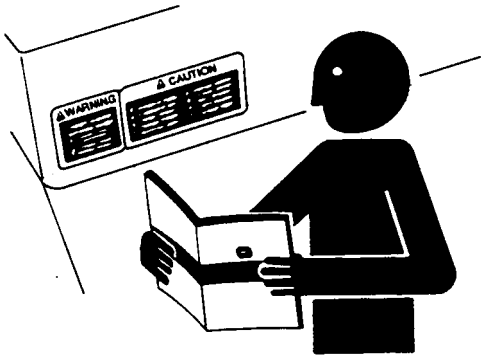
## Follow Safety Instructions

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

KM00321,00008FC -19-02APR19-1/1

## 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.

TS187 —19—30SEP88

A signal word—DANGER, WARNING, or CAUTION—is used with the safety-alert symbol. DANGER identifies the most serious hazards. DANGER or WARNING safety signs are located near specific hazards. General precautions are listed on CAUTION safety signs. CAUTION also calls attention to safety messages in this manual.

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

## 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

## Observe Road Traffic Regulations

Always observe local road traffic regulations when using public roads.

H28930 —UN—30JUN89

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

## 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

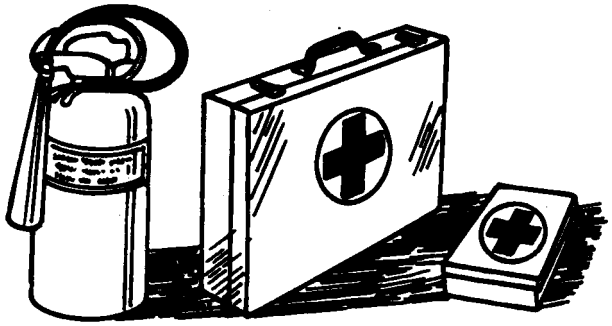
DX,STORE -19-03MAR93-1/1

## 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

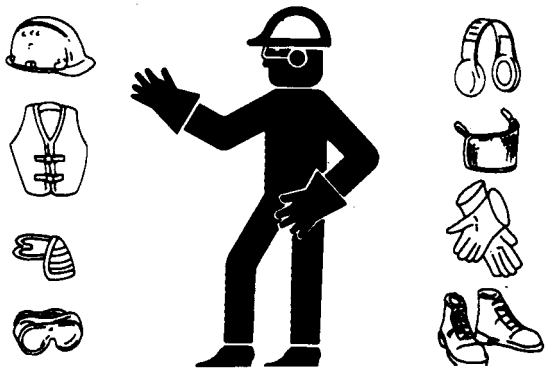
## Wear Protective Clothing

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 all the times. Ensure that they are in good condition and installed correctly.

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

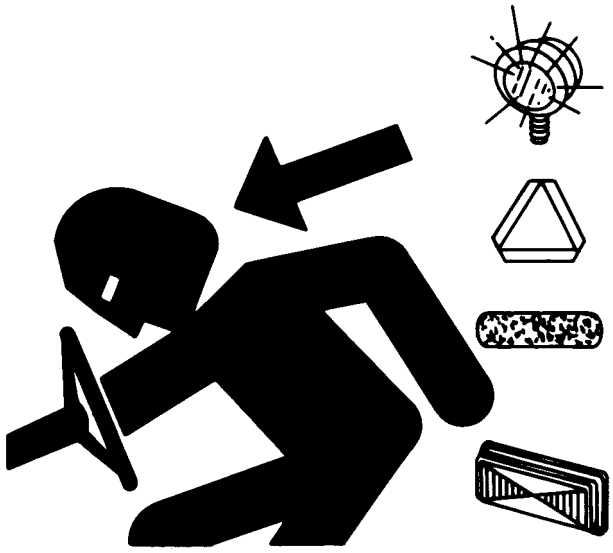
Keep hands, feet and clothing away from moving parts.

CC,GUARDS -19-01DEC91-1/1

## 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

KM00321,00008FD -19-02APR19-1/1

## Operate Pickup Safely

To avoid injury or death by being pulled into the machine:

DO NOT attempt to feed crop into the machine or unplug feed area WHILE PICKUP IS RUNNING. The pickup feeds the material faster than you can release it.

Disengage drive shaft and shut off harvester's engine.

Stand clear of pickup at all times when machine is operating.

CC,630PU 002665 -19-11APR95-1/1

## 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

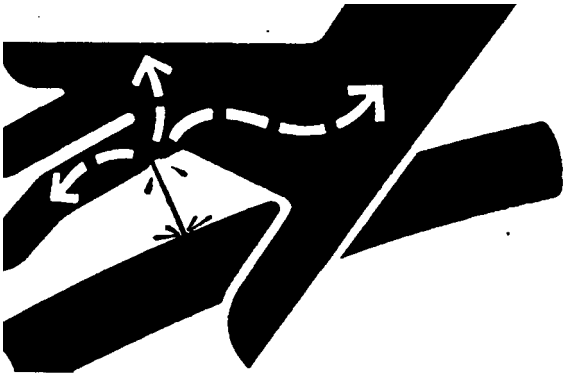
## Avoid High-Pressure Fluids

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

KM00321,00008FE -19-02APR19-1/1

## Service Tires Safely

**CAUTION: Explosive separation of a tire and rim parts can cause serious injury or death.**

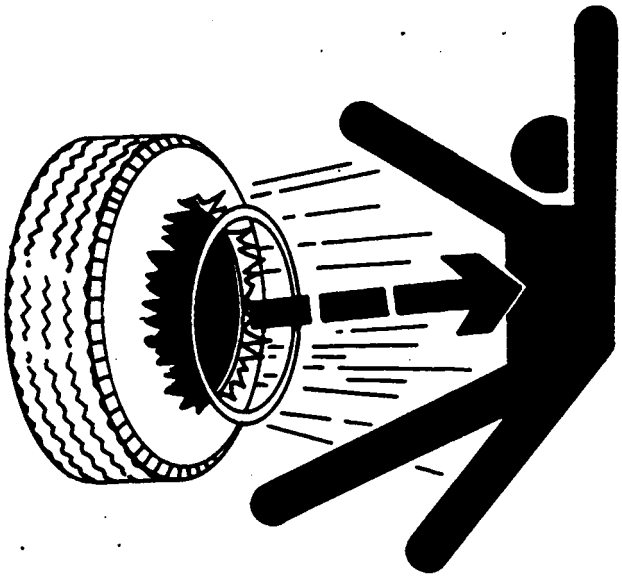
**Do not attempt to mount a tire unless you have the proper equipment and experience to perform the job.**

Always maintain the correct tire pressure. Do not inflate the tires above the recommended pressure.

Never weld or heat a wheel and tire assembly. The heat can cause an increase in air pressure resulting in a tire explosion. Welding can structurally weaken or deform the wheel.

When inflating tires, use a clip-on chuck and extension hose long enough to allow you to stand to one side and NOT in front of or over the tire assembly. Use a safety cage if available.

Check wheels for low pressure, cuts, bubbles, damaged rims or missing lug bolts and nuts.



TS211 —UN—15APR13

DX,RIM1 -19-27OCT08-1/1

## 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.

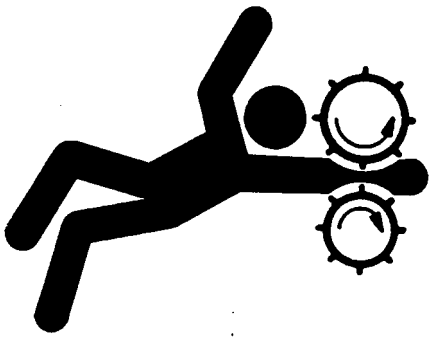
TS779 —UN—08NOV89

KM00321,00008FF -19-02APR19-1/1

## 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

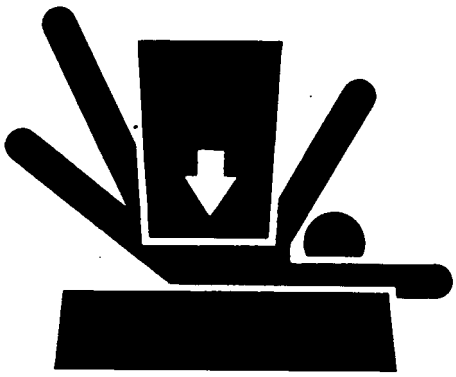
DX,LOOSE -19-04JUN90-1/1

## 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.



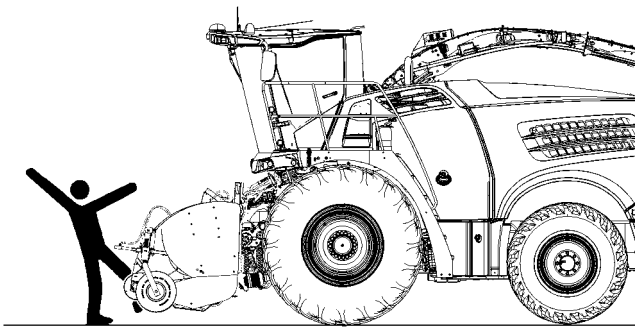
TS229 —UN—23AUG88

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

## Stay Clear of Pickup

Stay clear of pickup moving parts during operation.

Always disengage pickup drive, shut off the engine and remove the key from key switch of the forage harvester before servicing the pickup.



ZX1050675

ZX1050675 —UN—06DEC13

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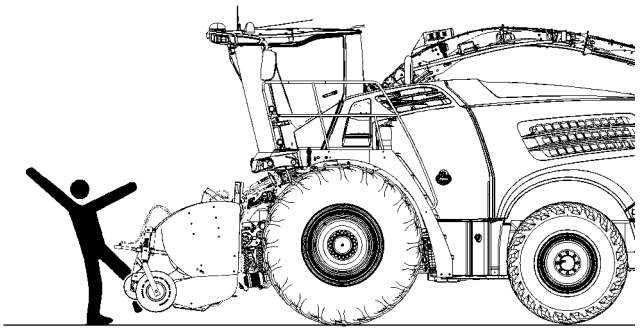
## Transport with Harvesting Unit Installed

Before driving forage harvester on public roads, raise harvesting unit and secure it in its fully raised position. It must not, however, obstruct operator's view of the road.

In case of harvesting unit equipped with the crop deflector, always store the deflector in its transport position before driving on the road.

In case of harvesting unit equipped with the roller compression unit, always store the roller compression unit in its transport position before driving on the road.



ZX1050675

ZX1050675 —UN—06DEC13

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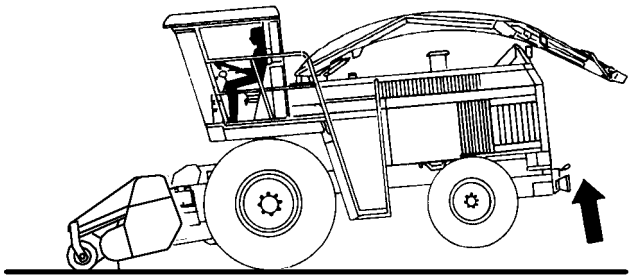
## Ballasting for Safe Ground Contact

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.



KM239211

KM239211 —UN—18MAR15

KM00321,0000903 -19-02APR19-1/1

## Remove Paint Before Welding or Heating

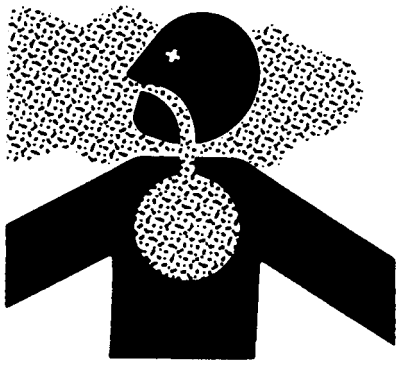
Avoid potentially toxic fumes and dust.

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 Heating Near Pressurized Fluid Lines

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

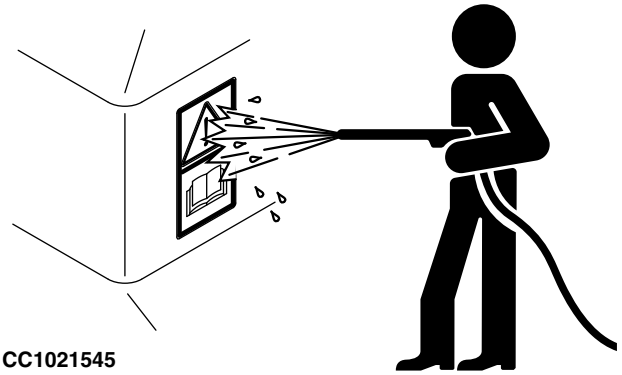
TS953 —UN—15MAY90

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

## 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

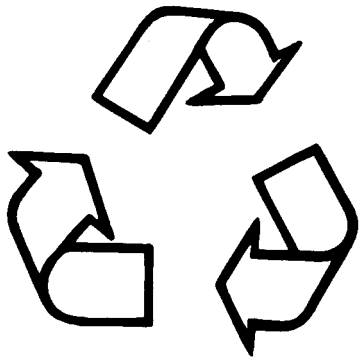
CC1021545 —UN—23APR02

KM00321,0000900 -19-02APR19-1/1

## 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.

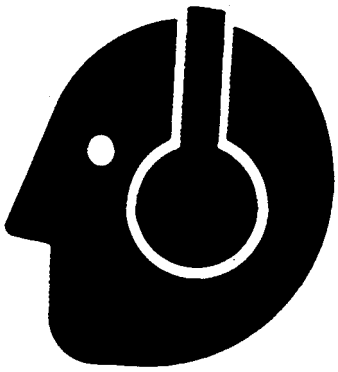
KM00321,000092B -19-13APR19-1/1

## 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

# 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.

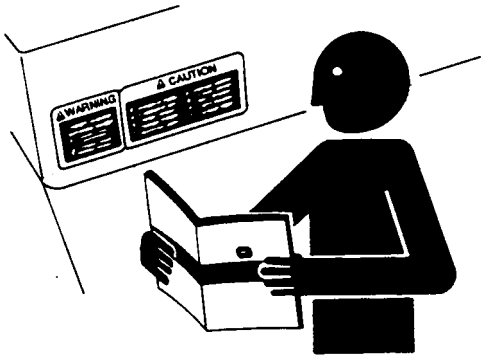
TS231 —19—07OCT88

FX,WBZ -19-19NOV91-1/1

## 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.

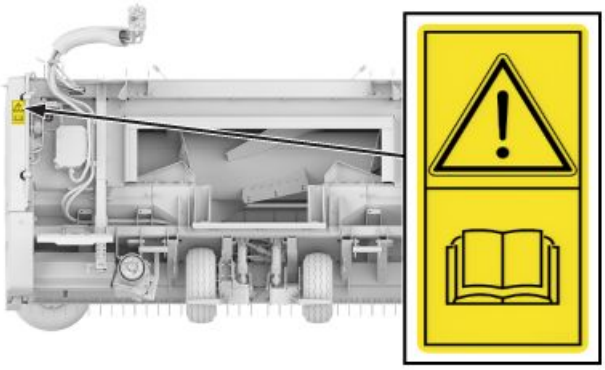



TS201 —UN—15APR13

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.

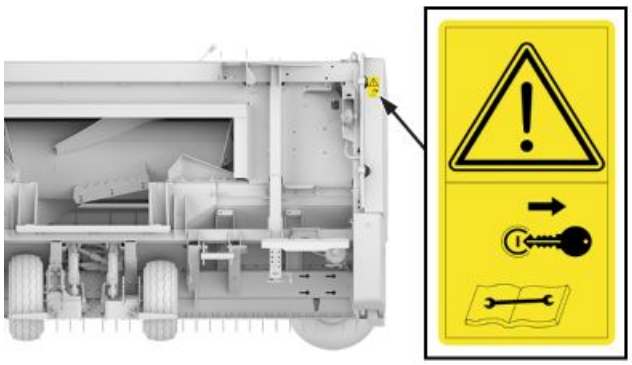


KM592254 —UN—11OCT23

KM00321,0000C60 -19-06OCT23-1/1

## Repair and Maintenance

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

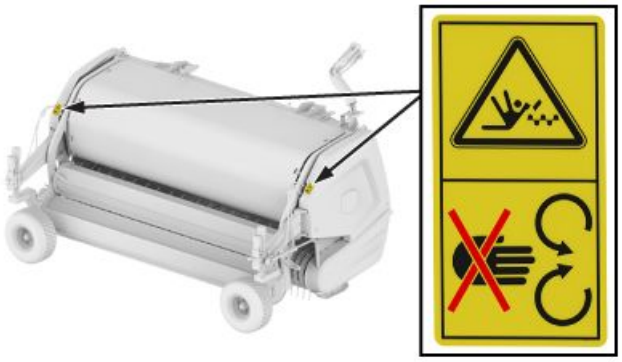


KM596166 —UN—11OCT23

KM00321,0000C61 -19-06OCT23-1/1

## Auger and Pickup Drum

DANGER - Stay clear of header. Disengage header drive, shut off engine and remove key before servicing or unclogging header. Do not allow persons or clothing to be near auger or pickup drum when it is in motion.

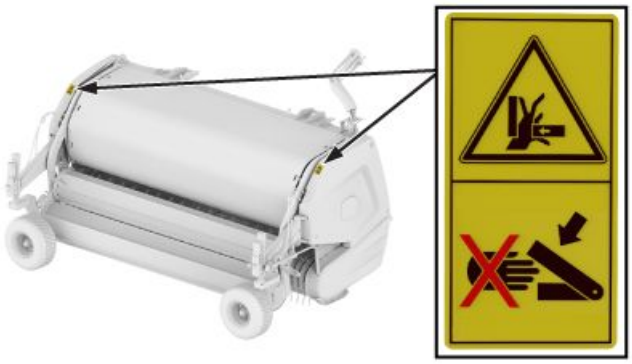


KM596167 —UN—11OCT23

KM00321,0000C62 -19-06OCT23-1/1

## Height Adjustable Compression Device

Never reach into the crushing danger area as long as the compression device may move.

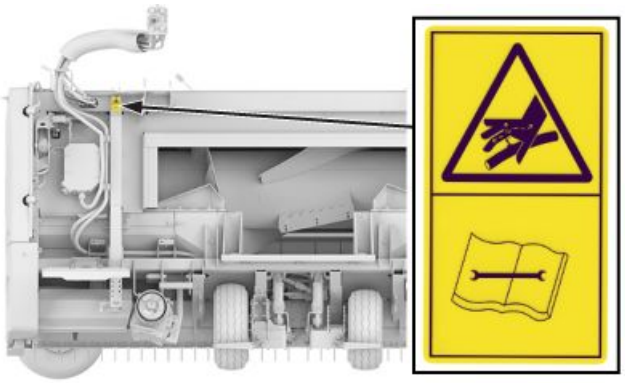


KM596169 —UN—11OCT23

KM00321,0000C63 -19-06OCT23-1/1

## Hydraulic Lines

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

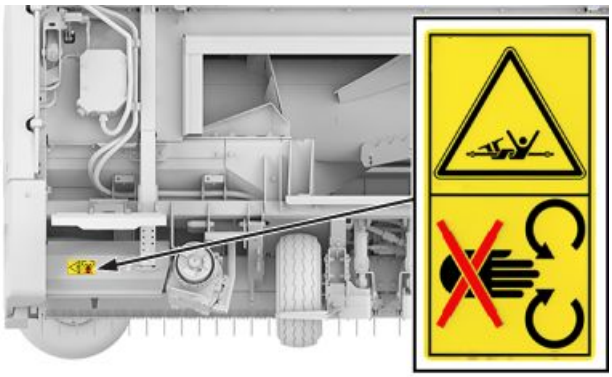


KM596170 —UN—11OCT23

KM00321,0000C64 -19-06OCT23-1/1

## Stay Clear of Rotating Driveline

Entanglement in rotating driveline can cause serious injury or death. Keep driveline shields in place at all times.

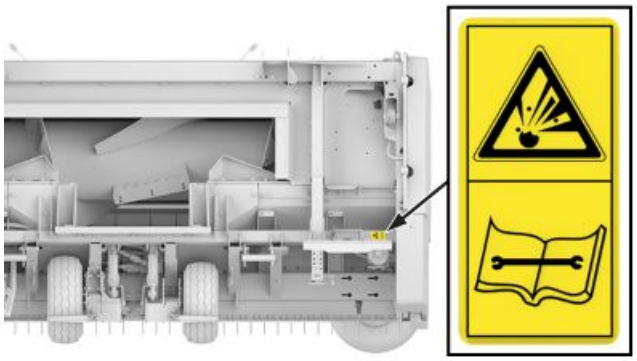


KM596168 —UN—11OCT23

KM00321,0000C65 -19-06OCT23-1/1

## Accumulator - Windrow Compressor Roll Float System

Avoid bodily injuries from hydraulic oil and gas under pressure.



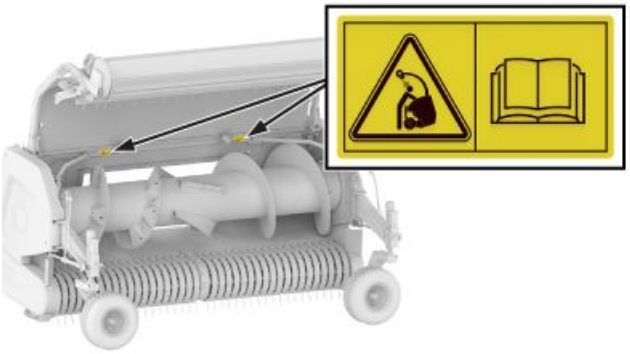
KM596165 —UN—11OCT23

KM00321,0000C67 -19-06OCT23-1/1

## Windrow Compressor Roll - Tips of Rake

DANGER - Pay extreme attention when clearing blockages or working under a raised windrow compressor roll. The tips of the rake can cause serious injuries.

Always raise the windrow compressor roll and the entire pickup completely before clearing blockages.

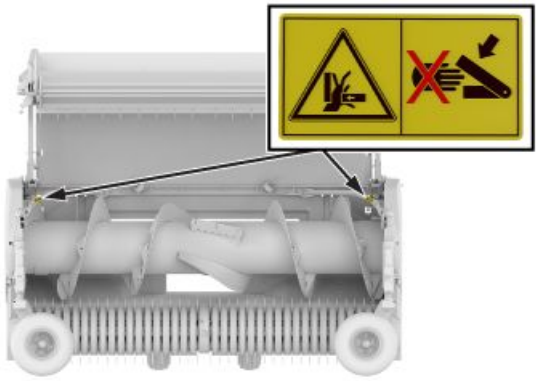


KM596171 —UN—11OCT23

KM00321,0000C68 -19-06OCT23-1/1

## Auger

When servicing the equipment, there is a risk of crushing between the auger and the strut while turning the auger by hand. Use caution to avoid hand and finger injuries.



KM596164 —UN—11OCT23

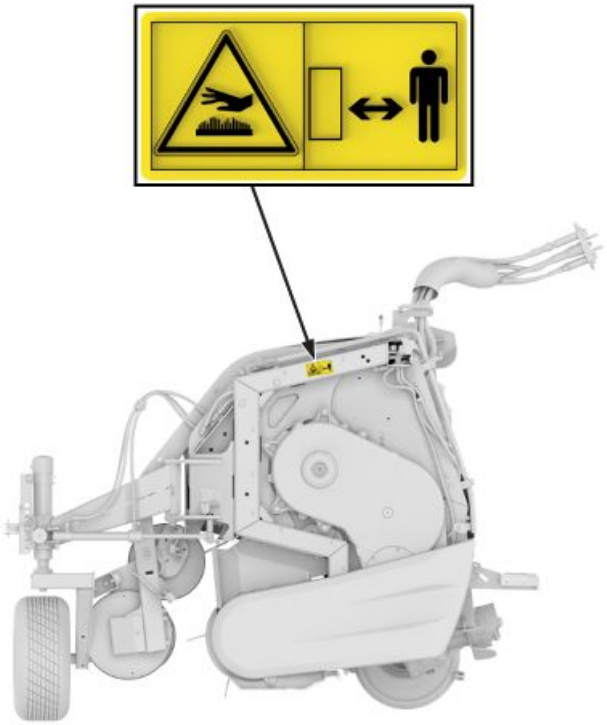
km00321,1696596720864 -19-06OCT23-1/1

## Hot Surfaces - Transmissions

Excessive heat may develop at the transmissions.

Stay clear of hot surfaces.

Hot surfaces may cause serious burns.



KM596172 —UN—11OCT23

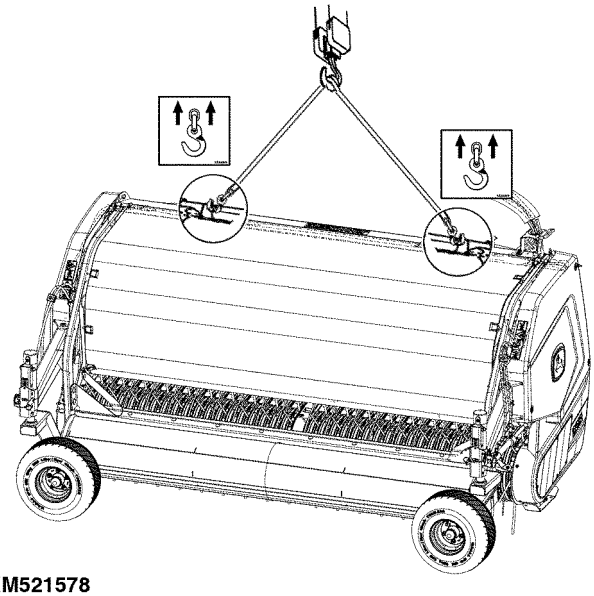
KM00321,0000C9B -19-06OCT23-1/1

## Pickup Hanging Points

When loading the pickup with a crane, always use the hanging points as shown. This will prevent the machine from toppling over.

**CAUTION: Make sure to use chains or slings that meet the weight requirements of the pickup (see Specifications Section).**

**When loading in this way, pay extreme attention and use additional securing chains if necessary.**

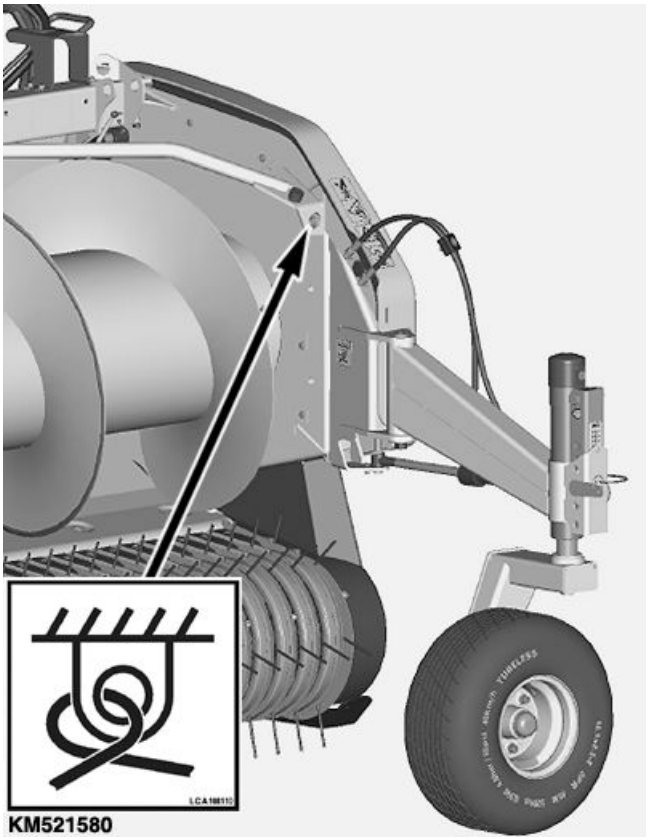


KM521578

KM521578 —UN—25NOV21

KM00321,0000C69 -19-25NOV21-1/1

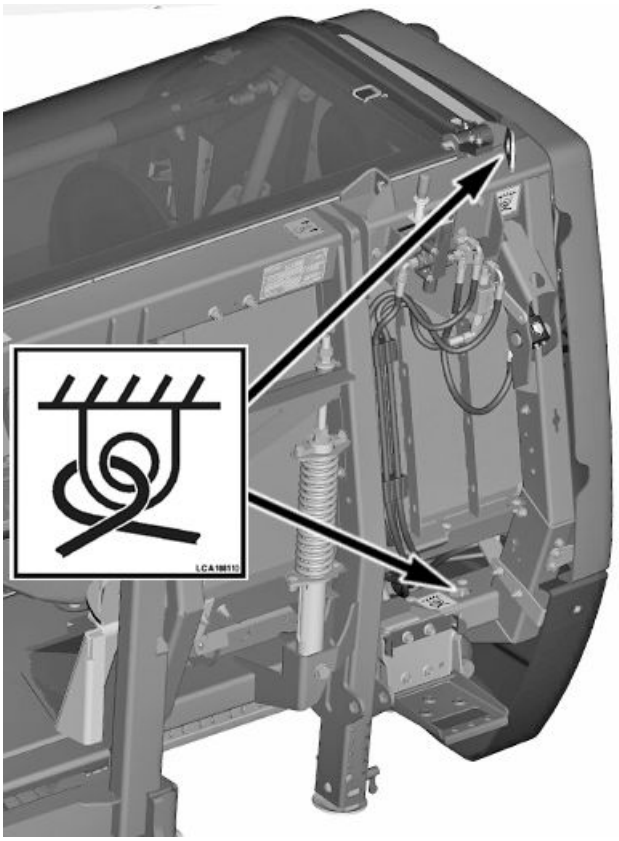
## Securing Pickup for Haulage (Lashing Points)



KM521580

KM521580 —UN—25NOV21

*Lashing Points (Front)*



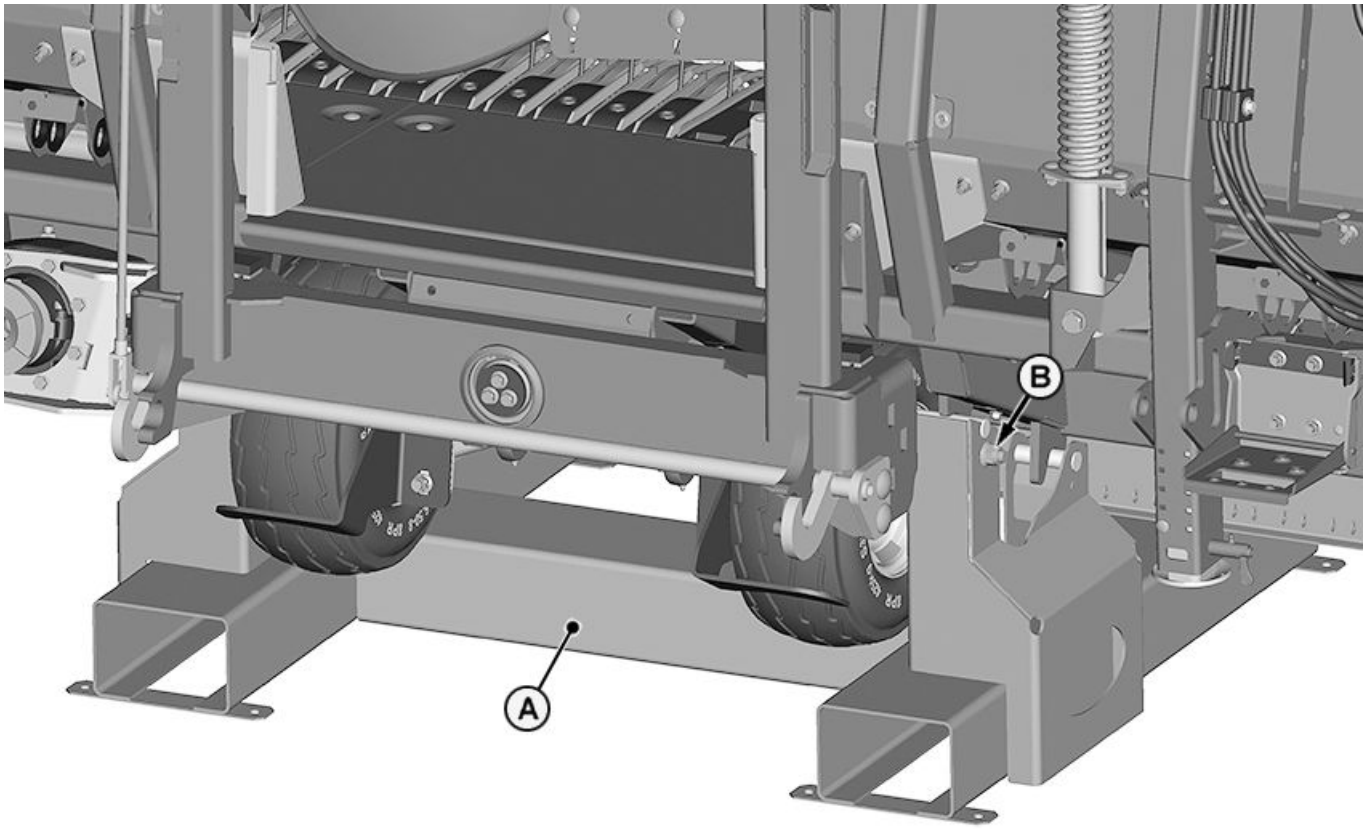
KM690679 —UN—24OCT25

*Lashing Points (Rear)*

During haulage on a truck or a trailer, use the intended holes on the frame to secure the machine during haulage (see illustration).

km00321,1761310255829 -19-24OCT25-1/1

## Unpacking

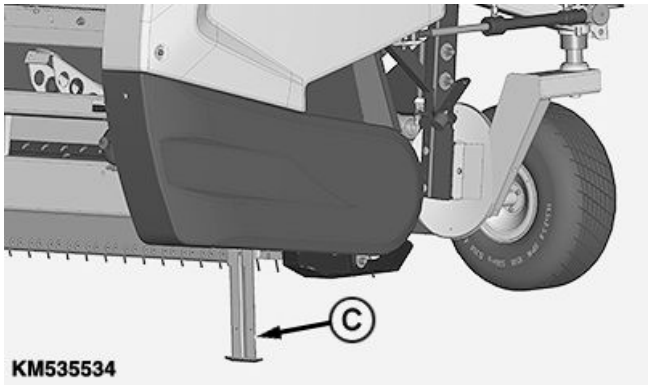



KM690678 —UN—24OCT25

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

1. Remove bolts (B) on both sides, then remove the transport pallet (A).
2. Remove transport supports (C) on both sides.

**A—Transport Pallet**
**B—Bolt (2 used)**
**C—Transport Support**




KM535534 —UN—25MAY22

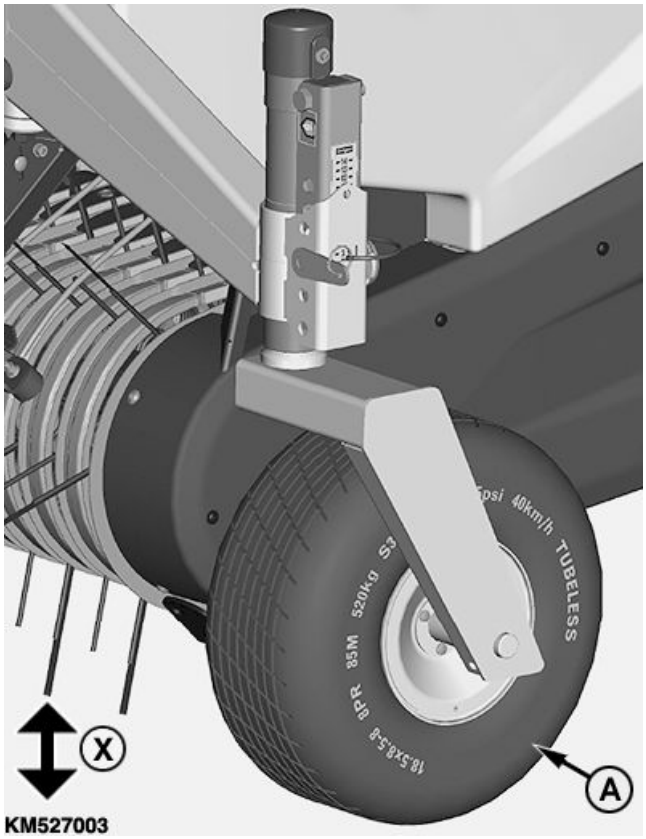
km00321,1761299545596 -19-24OCT25-1/1

## Set Gauge Wheel Height

Adjust the pickup so that the cylinder teeth are X = 50 mm (2 in.) above the ground.

For proper adjustment see Adjusting Gauge Wheel Height in Operating the Pickup Section.

**A—Gauge wheel** **X—50 mm (2 in.)**




KM527003 —UN—26NOV21

KM00321,0000C6C -19-29NOV21-1/1

## Adjust the Height of the Rear Wheels

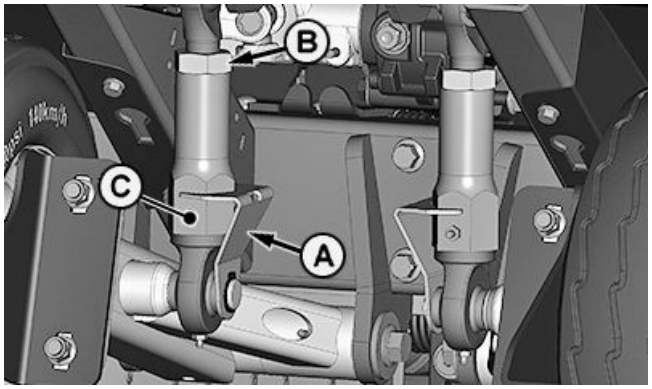
Before using the pickup for the first time, adjust the height of the rear wheels. Proceed as follows:

1. Remove locking plate (A).
2. Loosen lock nut (B).
3. Turn linkage (C) clockwise or counterclockwise within range (X) until the rear wheels (D) run close to the ground.

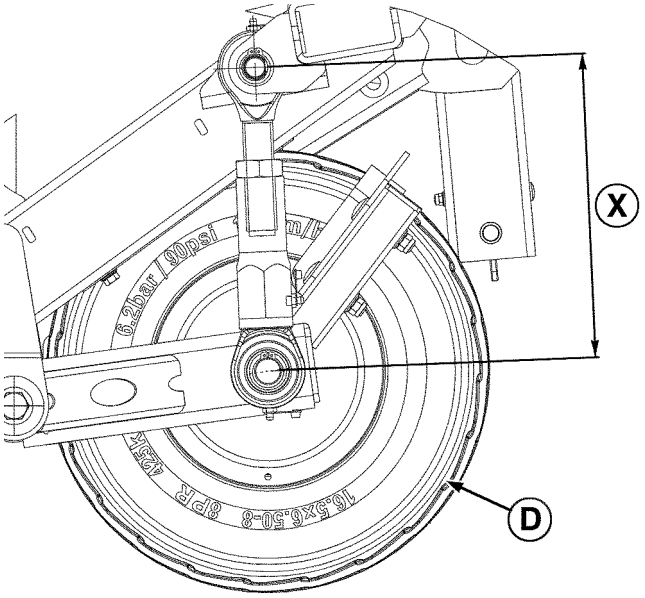
   **IMPORTANT: Make sure that the rear wheels do not touch the ground permanently.**

4. Tighten lock nut (B) against linkage (C).
5. Install locking plate (A).
6. Repeat procedure on the opposite side.

**A—Locking Plate**
**B—Lock Nut**
**C—Linkage**
**D—Rear Wheel**
**X—245—320 mm (9.6—12.6 in.)**




KM685054 —UN—10OCT25




KM685055 —UN—10OCT25

km00321,1760085989432 -19-10OCT25-1/1

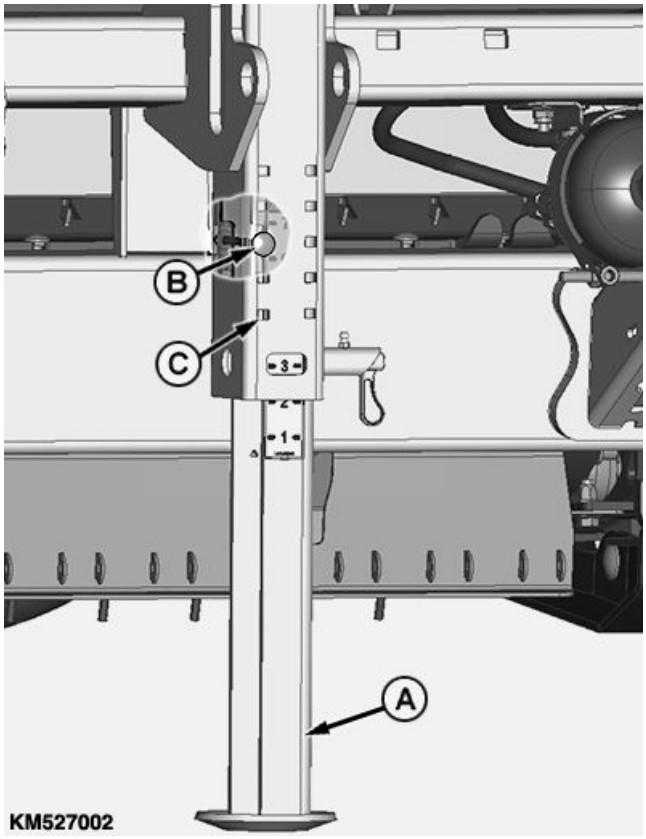
## Adjust Jackstand Height

When installing the pickup on a forage harvester for the first time, it is necessary to adjust the height of jackstands (A) in relation to the size of the tires on the harvester.

There are several positions for screw (B).

- Screw (B) is installed in the third borehole when it leaves the factory.
- When the forage harvester is equipped with 42-inch tires, install screw (B) in the lower borehole (C).
- On all other tire configurations, take out screw. Lower pickup to a suitable height and re-install screw (B) in the appropriate borehole to prevent the jackstand from falling too low.

**A—Jackstand**
**B—Screw**
**C—Lower Borehole**




KM527002 —UN—29NOV21

KM00321,0000C6D -19-29NOV21-1/1

## Attaching to Types 498, 499, and 502 Forage Harvesters with Variable Header Drive

Pickups for the Claas types 498, 499, and 502 forage harvesters are technically partially prepared for the variable header drive.

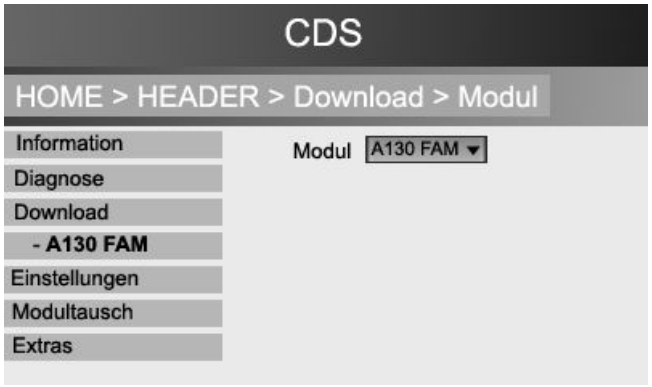
**In addition, programming steps in the forage harvester software are required, which must be coordinated with Claas. To do this, contact your Claas dealer.**

**IMPORTANT: In order to use the variable header drive, the A130FAM module must be programmed for it. Otherwise, the pickup can only be used with constant speed.**

*NOTE: From factory, the A130FAM module is empty.*

The A130FAM module must be programmed via the forage harvester. To do this, proceed as follows

1. Attach the pickup 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 pickup.




KM359969 —UN—22FEB19

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km00321,1759410232880 -19-02OCT25-1/2

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

**IMPORTANT: Enter a serial number of a 3 m HD Claas pickup.**

5. Select variable header drive (if equipped on the forage harvester).
6. Deactivate the “AUTO CONTOUR”-option.

KM404867 —UN—21FEB20

km00321,1759410232880 -19-02OCT25-2/2

## Attach the Pickup

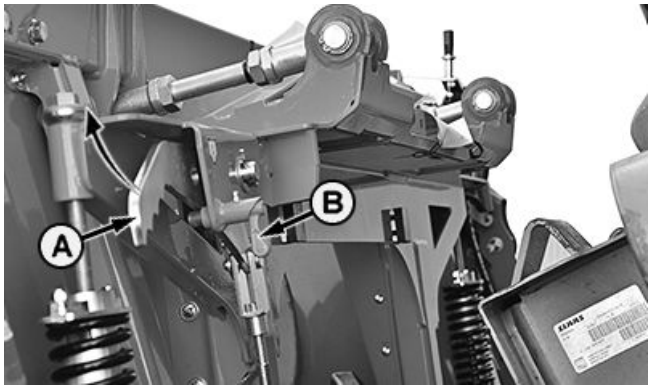
**IMPORTANT: Before attaching the pickup, refer to the Operator's Manual of the forage harvester for the correct preparation or adaptation to the machine.**

*NOTE: Attach the pickup on level ground.*

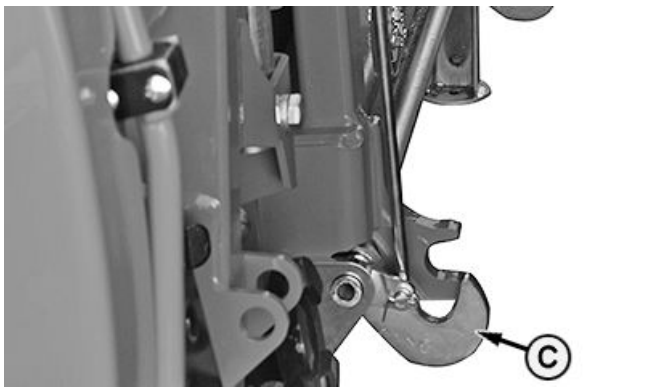
Attach the pickup as follows:

1. Raise handle (A) until lower hooks (C) are fully retracted.
2. Secure handle (A) in the raised position using the spring-loaded pin (B).

**A—Handle**
**B—Spring-Loaded Pin**
**C—Hook**




KM685034 —UN—07OCT25

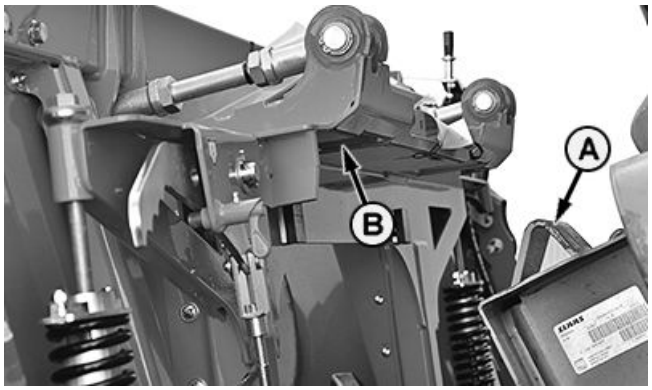



KM685035 —UN—07OCT25

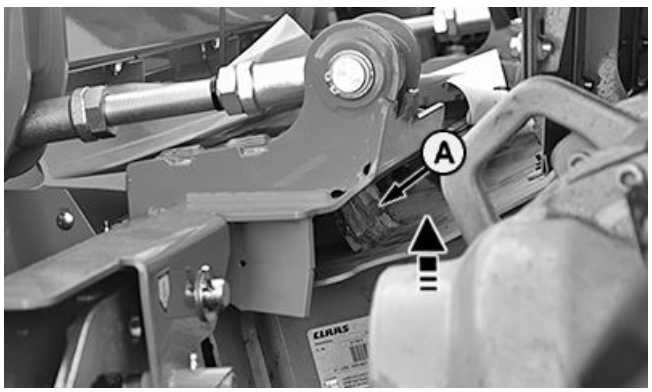
km00321,1759901754508 -19-08OCT25-1/5

3. Lower cutterhead assembly until engaging lugs (A) are slightly below the pickup crossbar openings (B).
4. Slowly drive the machine forward until the engagement position is reached.
5. Engage the pickup.

**A—Engaging Lug**
**B—Opening**




KM685036 —UN—07OCT25




KM685037 —UN—07OCT25

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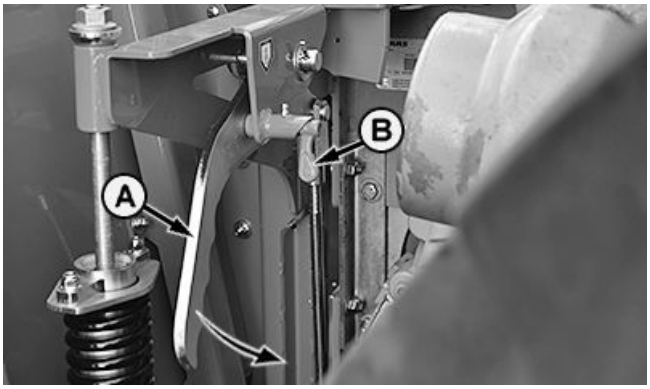
km00321,1759901754508 -19-08OCT25-2/5

KM402936 —UN—06FEB20




KM685038 —UN—07OCT25

6. Raise the cutterhead assembly and lift the pickup.
7. Lower handle (A) and secure with spring-loaded pin (B).

**IMPORTANT: Check that both lower hooks (C) correctly lock the pins (D). Never attempt to operate the pickup with improper hook latch.**

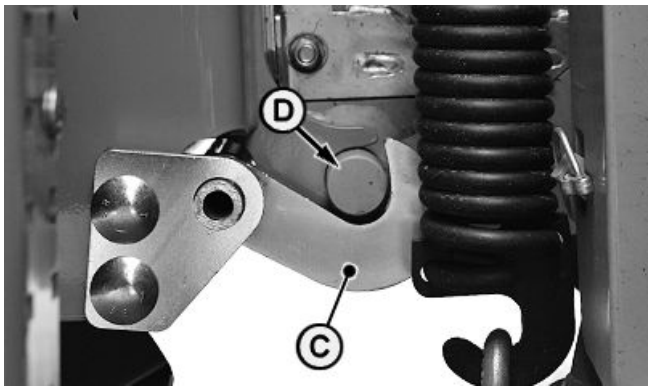
In case that hooks (C) do not lock the pins (D) correctly:

- Detach the pickup.
- Insert a shaft (E) with a diameter of 35 mm (1.38 in.) into lower hook (C).
- Lower handle (A).
- Remove pin (F).
- Adjust the length of threaded rod (G) by turning fork joint (H) clockwise or counterclockwise until lower hook (C) locks shaft (E).

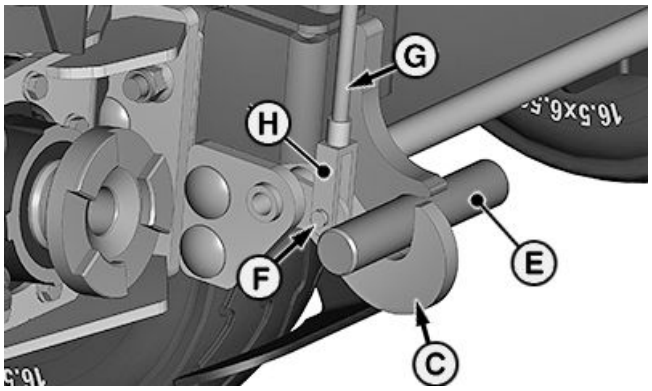
*NOTE: A small gap below shaft (E) is acceptable.*

- Reinsert pin (F).
- Remove shaft (E) and reattach the pickup.

**A—Handle**
**B—Pin**
**C—Hook**
**D—Pin**
**E—Shaft**
**F—Pin**
**G—Threaded Rod**
**H—Fork Joint**




KM685039 —UN—07OCT25

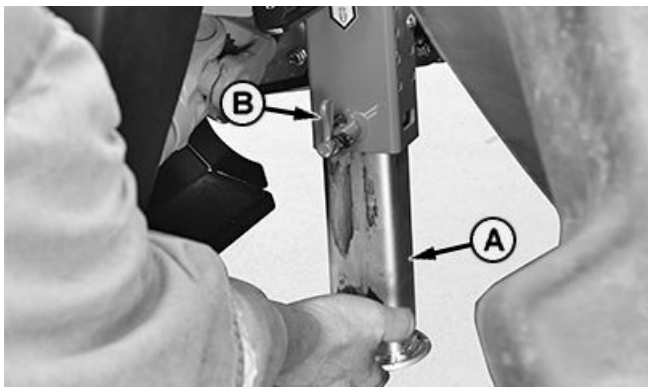



KM685040 —UN—07OCT25

km00321,1759901754508 -19-08OCT25-3/5

8. At left and right, raise jackstand (A) and secure with spring-loaded pin (B) in upmost position.

**A—Jackstand**
**B—Spring-Loaded Pin**




KM685041 —UN—07OCT25

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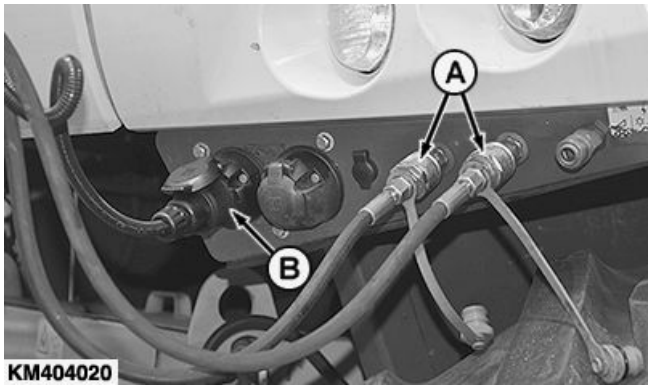
km00321,1759901754508 -19-08OCT25-4/5

9. Connect hydraulic hoses (A) and wiring harness (B) to the relevant outlets of the forage harvester.

**A—Hydraulic Hose** **B—Wiring Harness**




KM404020 —UN—06FEB20

km00321,1759901754508 -19-08OCT25-5/5

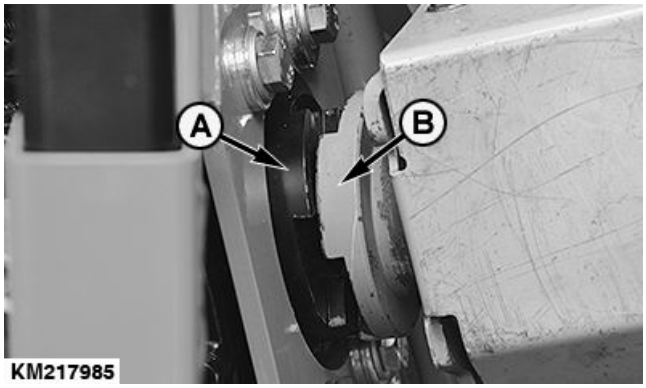
## Adjust the Automatic Driveline Coupler (Only for Initial Use)

Make sure that clutch claw (A) on the pickup and clutch claw (B) on the forage harvester are in alignment.

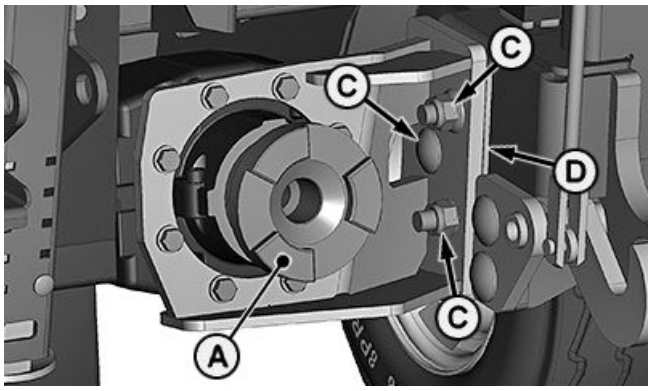
If necessary, adjust the clutch claw (A) on the pickup:

- Loosen screws (C).
- Adjust clutch claw (A).
- For lateral adjustment, add or remove spacer sheets (D).
- Tighten screws (C).

**A—Clutch Claw on Pickup** **C—Screw (3 used)**
**B—Clutch Claw on Forage Harvester**




KM217985 —UN—15SEP14




KM685042 —UN—03NOV25

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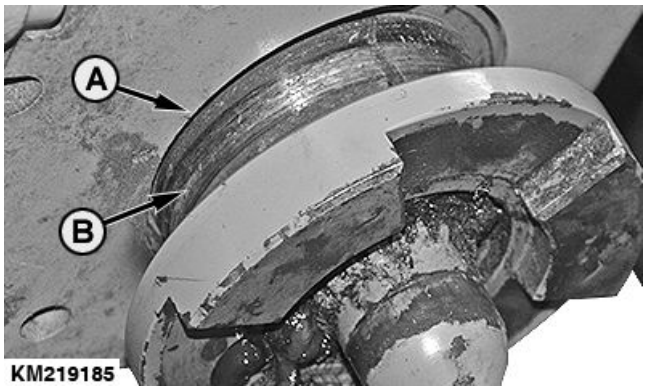
km00321,1759915927630 -19-03NOV25-1/2

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

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

**A—Housing** **B—Groove**




KM219185 —UN—15SEP14

km00321,1759915927630 -19-03NOV25-2/2

## Detach the Pickup

**IMPORTANT: Before detaching the pickup, make sure that pickup hydraulic functions are all released and the windrow compressor roll is lowered completely.**

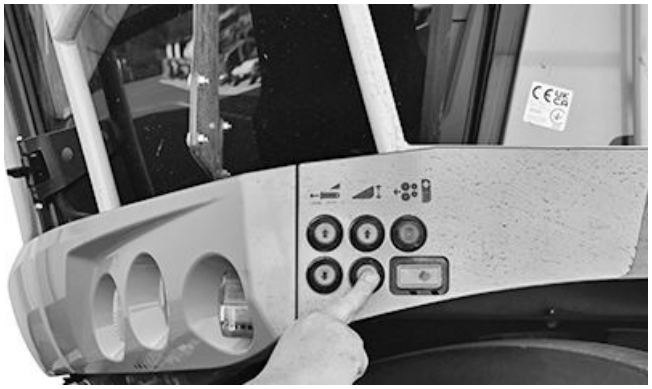
Proceed as follows:

1. Lower the pickup to the ground.
2. Disconnect hydraulic hoses (A) and wiring harness (B).

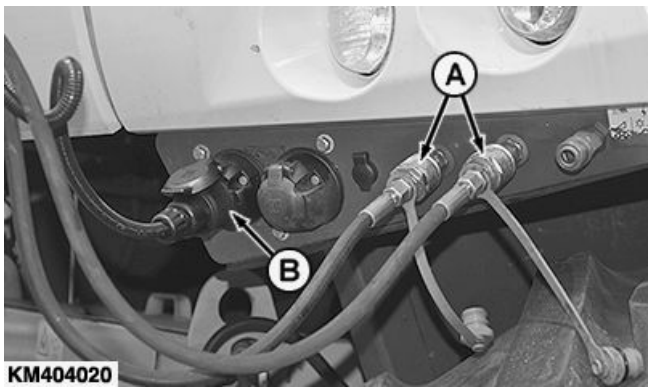
**IMPORTANT: Leave the pickup standing at a height that allows the unit to be reattached to the machine at a later time. Never select a height that is too low.**

3. Shut off the engine, remove the key from key switch and apply park brake.
4. At left and right, lower jackstands (C) and lock them at a suitable height. Pull out spring-loaded pin (D) and let it re-engage when the jackstand (C) is at the correct height.

**A—Hydraulic Hose**
**B—Wiring Harness**
**C—Jackstand**
**D—Spring-Loaded Pin**

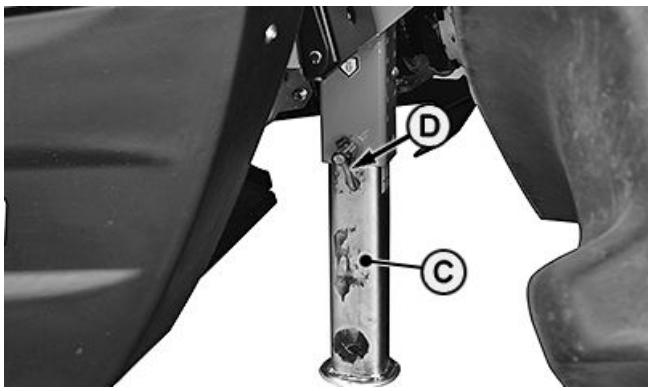


KM685043 —UN—07OCT25




KM404020

KM404020 —UN—06FEB20




KM685046 —UN—07OCT25

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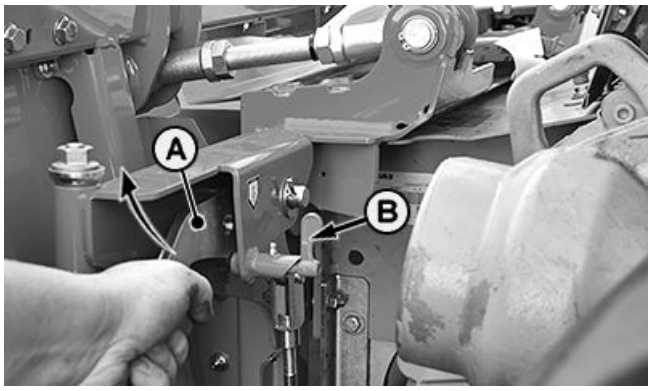
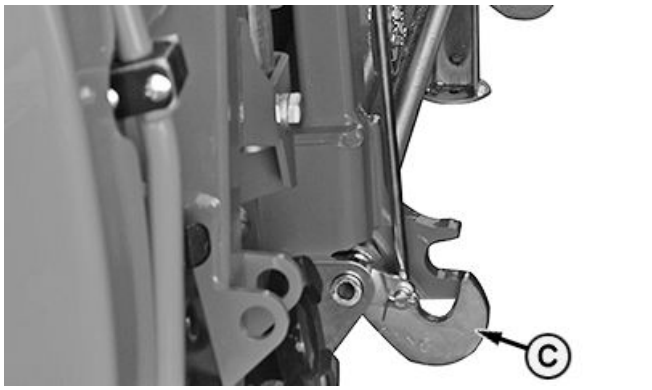
km00321,1759924668168 -19-08OCT25-1/2

5. Raise handle (A) until lower hooks (C) are fully retracted.
6. Secure handle (A) in the raised position using the spring-loaded pin (B).
7. Start the engine. Lower the cutterhead assembly until engaging lugs (D) are slightly below the pickup attaching frame (E).
8. Drive out of the pickup attaching frame (E).

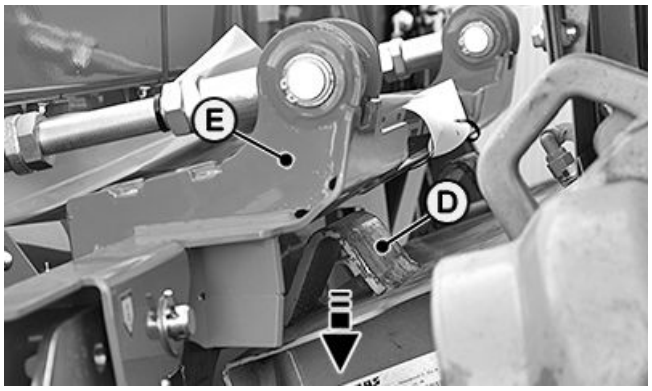
**A—Handle**
**B—Spring-Loaded Pin**
**C—Hook**
**D—Engaging Lug**
**E—Attaching Frame**




KM685044 —UN—07OCT25




KM685035 —UN—07OCT25




KM685047 —UN—07OCT25

km00321,1759924668168 -19-08OCT25-2/2

## Observe Public Road Legislation

**IMPORTANT: Before transporting the machine on public roads, make sure that the machine conforms to the legislation governing the use of agricultural vehicles on the road.**

**⚠ CAUTION: When using public roads, employ at least one person to warn the driver of the machine of any potential danger and give him indications to maneuver and travel safely, especially when leaving the farm or the fields, and on roads at junctions.**

KM00321,0000C70 -19-01DEC21-1/1

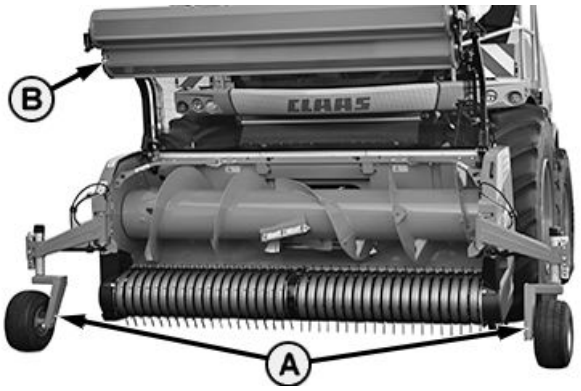
## Setting Windrow Compressor Roll in Transport Position

1. Drive forage harvester backwards until gauge wheels (A) are fully turned towards the front.
2. Raise front shield of forage harvester so that gauge wheels (A) are no longer touching the ground.

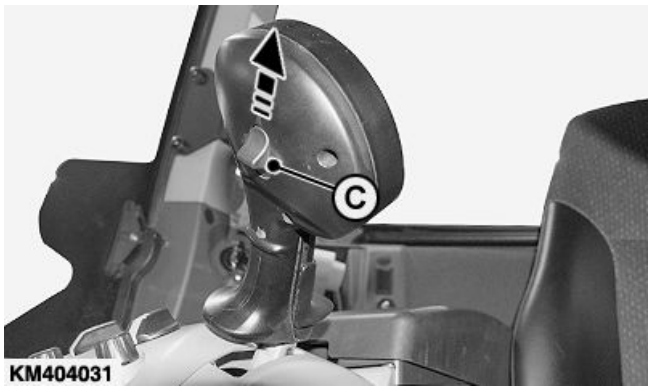
*NOTE: Gauge wheels are automatically locked and secured against twisting when they are off the ground.*

Raise windrow compressor roll (B) completely by actuating switch (C).

**A—Gauge Wheels**
**B—Windrow Compressor Roll**
**C—Switch**




KM685048 —UN—08OCT25




KM404031 —UN—10FEB20

*Multi-Function Lever*

KM685049 —UN—08OCT25

*Joystick*

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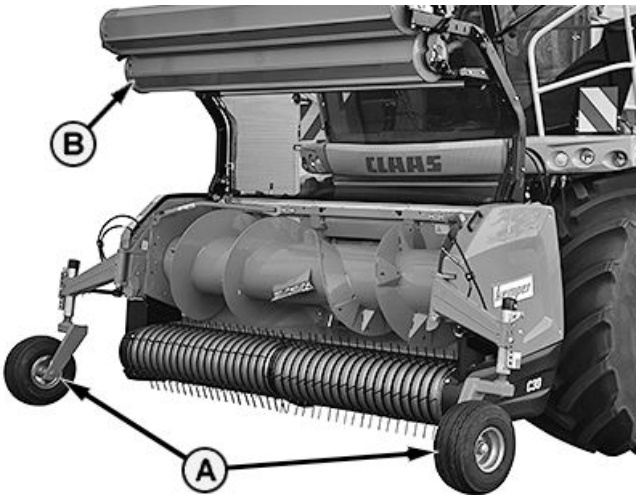
km00321,1759926367578 -19-13OCT25-1/3

3. When transporting the pickup on public roads, always fold the gauge wheels (A) inwards to the transport position.

**IMPORTANT: It is necessary to windrow compressor roll (B) completely before folding gauge wheels (A) inwards. Failure to do so can result in machine damage.**

Press switch (C) and fold gauge wheels (A) inwards.

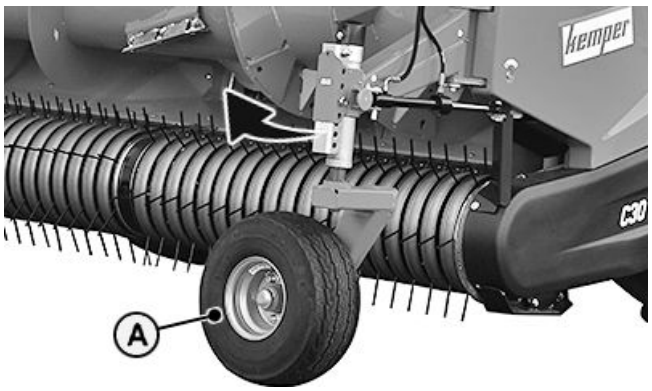
**A—Gauge Wheels**
**B—Windrow Compressor Roll**
**C—Switch**




KM685050 —UN—10OCT25

KM404033 —UN—10FEB20

KM685051 —UN—10OCT25




KM685052 —UN—10OCT25

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km00321,1759926367578 -19-13OCT25-2/3

4. Slowly lower the windrow compressor roll (A).

**IMPORTANT: Make sure that hydraulic pressure in the cylinders has been relieved fully. This ensures that the windrow compressor roll is lowered completely.**

**A—Windrow Compressor Roll**

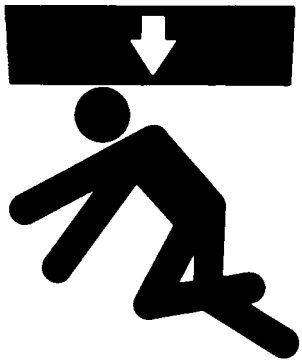
KM685053 —UN—10OCT25

km00321,1759926367578 -19-13OCT25-3/3

## Follow Safe Operating Procedures

**CAUTION: Before carrying out any adjustment always disengage all drives, shut off engine and wait until all moving parts have stopped.**

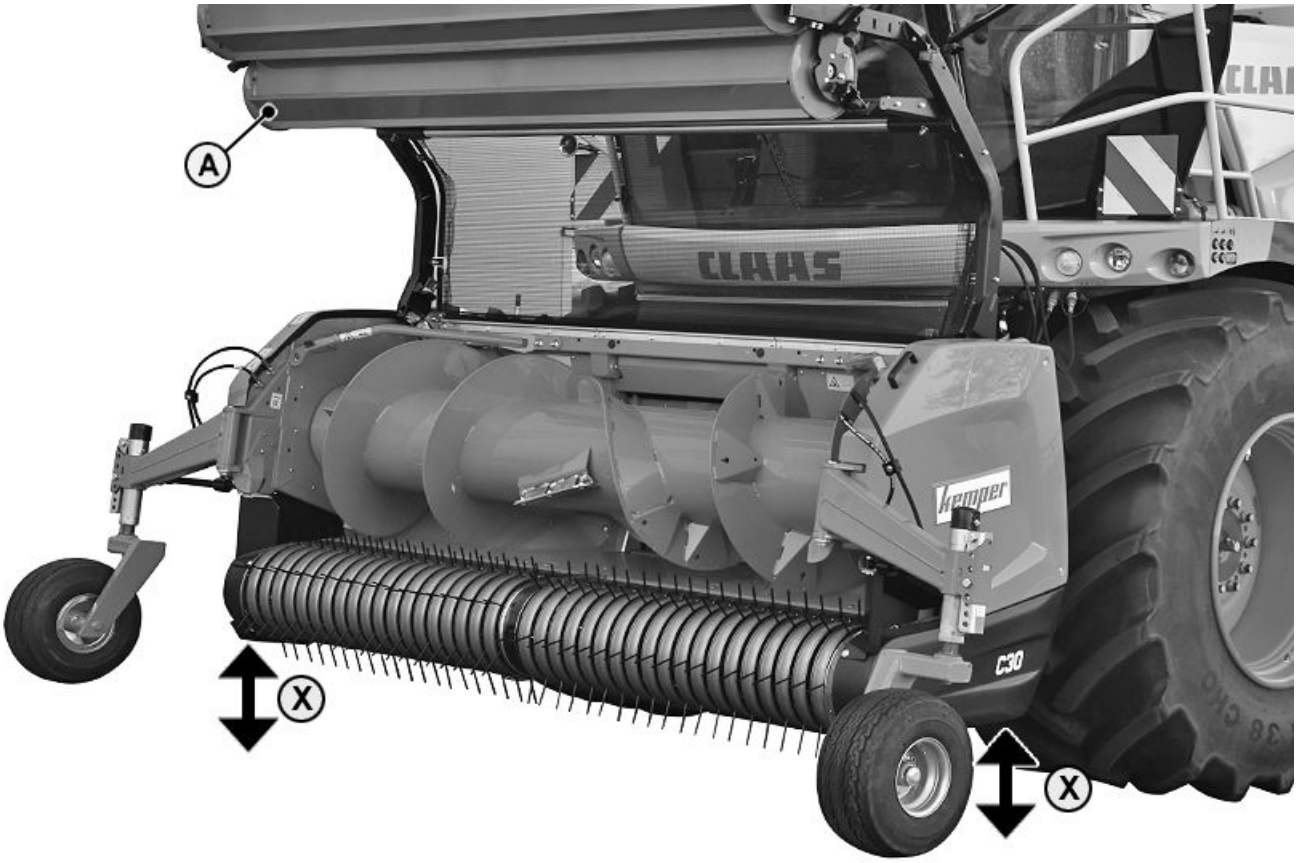
**CAUTION: Before working on a raised pickup, place blocks underneath to prevent pickup from lowering.**



TS261 —UN—23AUG88

KM00321,0000270 -19-31JAN14-1/1

## Working Under A Raised Windrow Compressor Roll




KM685056 —UN—10OCT25

**⚠ CAUTION: Pay extreme attention when clearing blockages or working under a raised windrow compressor roll (A).**

**Before working under a raised windrow compressor roll, proceed as follows:**

1. **Raise the pickup completely:**

   Press and hold up arrow button (B) until the pickup is raised to its maximum height.

2. On the forage harvester, secure the header lift cylinders to prevent unintentional lowering.

**A—Windrow Compressor Roll**
**B—Up Arrow Button**
**C—Maximum Pickup Height**

*Multi-Function Lever*

KM404035 —UN—10FEB20

*Joystick*

KM684999 —UN—10OCT25

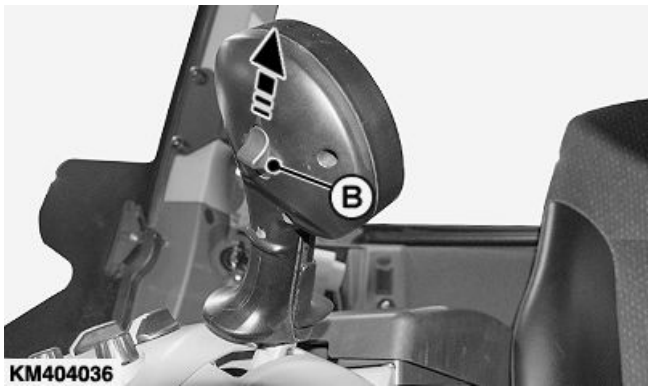
**Continued on next page**

3. **Raise windrow compressor roll (A) completely:**

   Actuate switch (B) until the windrow compressor roll (A) is raised to its maximum height.

**CAUTION: Do not perform any work under a raised windrow compressor roll as long as the operator is in the cab.**

**A—Windrow Compressor Roll B—Switch**




KM404036 —UN—10FEB20

*Multi-Function Lever*

KM1000636 —UN—13OCT25

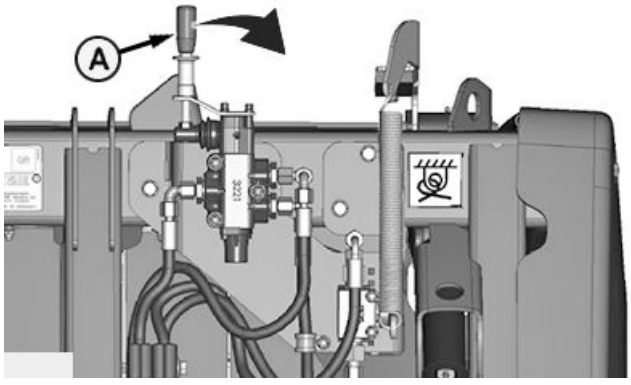
*Joystick*

KM1000637 —UN—13OCT25

km00321,1760105191224 -19-13OCT25-2/3

4. Close safety valve (A) to prevent windrow compressor roll from unintentional lowering.

**A—Safety Valve**



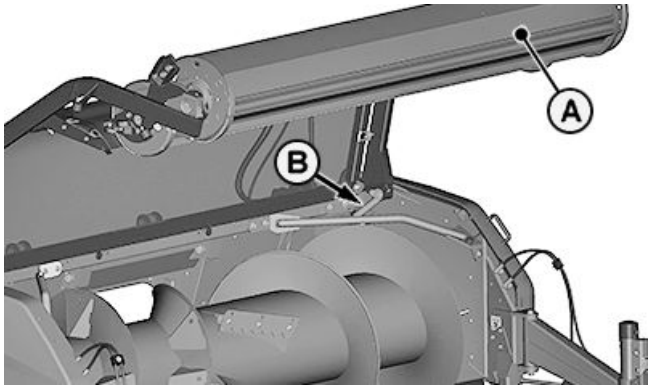

KM1000638 —UN—13OCT25

km00321,1760105191224 -19-13OCT25-3/3

## Setting Windrow Compressor Roll in Operating Position

1. Fully extend cylinders (B) to raise windrow compressor roll (A).

**A—Windrow Compressor Roll** **B—Cylinder**

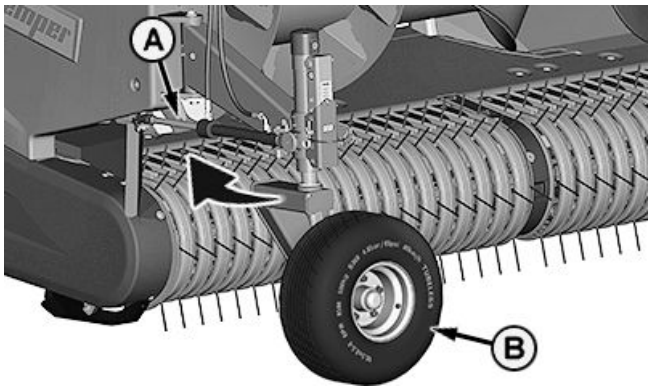



KM690660 —UN—16OCT25

km00321,1760533386078 -19-04NOV25-1/3

2. Actuate hydraulic cylinders (A) and move gauge wheels (B) outward into operating position.

**A—Hydraulic Cylinder** **B—Gauge Wheel**




KM690661 —UN—17OCT25

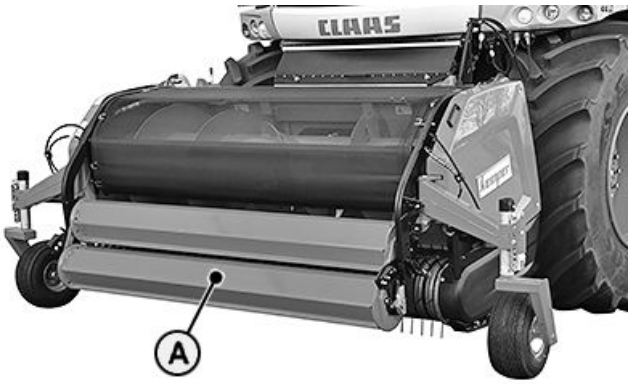
km00321,1760533386078 -19-04NOV25-2/3

3. Slowly lower the windrow compressor roll (A).

*NOTE: Gauge wheels are automatically unlocked and can turn freely when gauge wheels are lowered onto the ground.*

Lower pickup onto the ground and drive forage harvester forward until gauge wheels are swiveled into driving direction.

**A—Windrow Compressor Roll**




KM690662 —UN—15OCT25

km00321,1760533386078 -19-04NOV25-3/3

## Operating the Windrow Compressor Roll

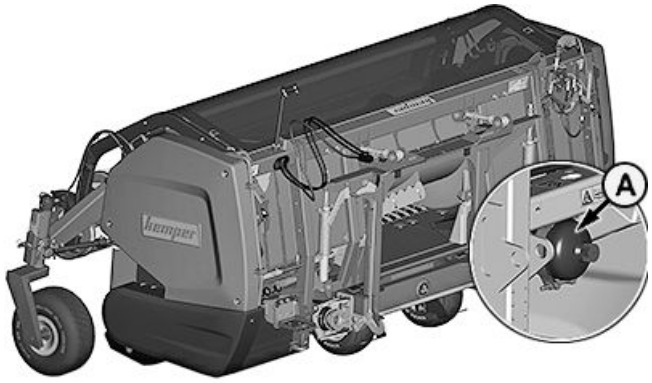
The contact pressure of the windrow compressor roll is adjusted by the oil pressure in accumulator (A).

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

Raise windrow compressor roll so that the roller (B) on the windrow compressor roll does not push the crop up but always lies on the swath (see illustration).

*NOTE: The oil pressure in accumulator (A) leads the windrow compressor roll on the swath.*

**A—Accumulator** **B—Roller**

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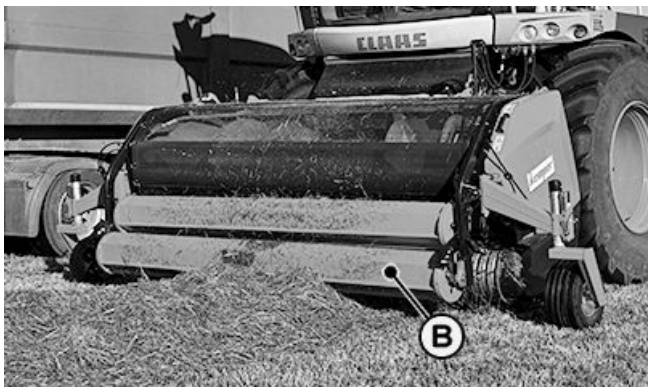



KM690664 —UN—17OCT25

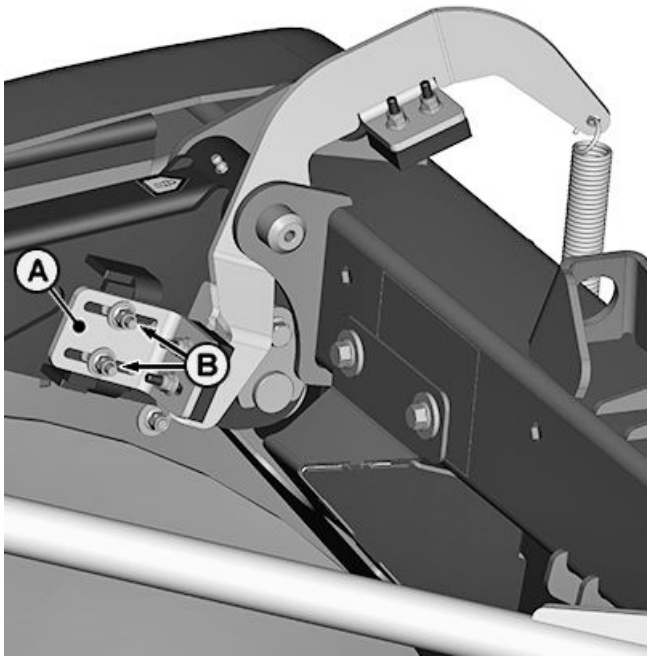
km00321,1760535195331 -19-04NOV25-1/2

### Windrow Compressor Roll Float Adjustment

When the windrow compressor roll is in operating position, adjust float mode as follows:

- To raise the windrow compressor roll and reduce pressure on the swaths:
  Loosen nuts (B) and move angle plate (A) toward the rear.
- To lower the windrow compressor roll and increase pressure on the swaths:
  Loosen nuts (B) and move angle plate (A) toward the front.
- Retighten nuts (B).

**A—Angle Plate** **B—Nut (2 used)**




KM690688 —UN—03NOV25

km00321,1760535195331 -19-04NOV25-2/2

## Adjusting Gauge Wheel Height

Adjust the pickup so that the cylinder teeth are 50 mm (2 in.) above the ground.

To increase the clearance of the teeth from the ground, take out locking pin (A) and set gauge wheel (B) lower along the row of holes. Reinstall locking pin (A) and secure with spring cotter (C).

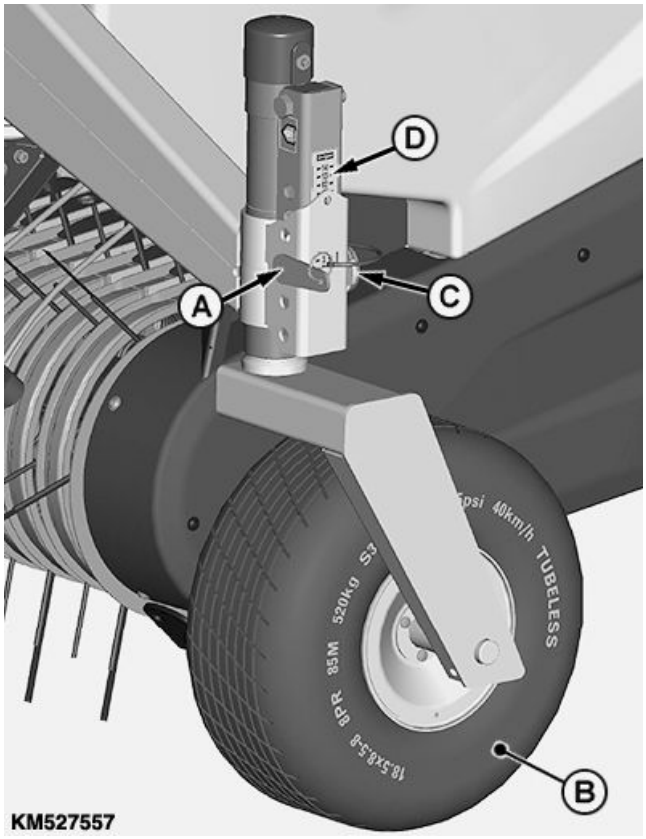
To decrease the clearance of the teeth from the ground, take out locking pin (A) and set gauge wheel (B) higher along the row of holes. Reinstall locking pin (A) and secure with spring cotter (C).

**IMPORTANT: Make sure that the value on scale (D) is the same on both sides.**

Always make sure that the pickup clearance is the same at either side.

**IMPORTANT: Make sure that the pickup's height is not altered by the downstop on the harvester.**

**A—Locking pin**
**B—Gauge wheel**
**C—Spring cotter**
**D—Scale**




KM527557 —UN—09DEC21

KM00321,0000C79 -19-09DEC21-1/1

## Adjusting Feed Auger Paddles (Short Crops)

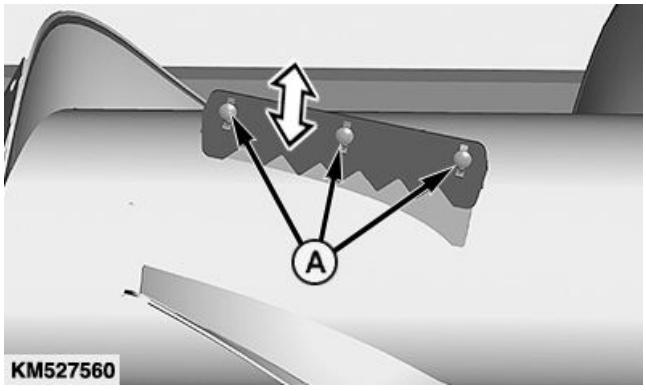
The paddles (B) improve feeding in light and short crops.

*NOTE: Move paddle (B) further outward in short crop and further inward in higher crop.*

1. Loosen bolts (A).
2. Move paddle (B) until the desired position is obtained.
3. Tighten bolts (A).

Repeat the procedure for each paddle.

**IMPORTANT: Installing paddles (B) with the smooth side up is recommended. Installing paddles (B) with the serrated side up increases the risk of back feeding.**




KM527560 —UN—09DEC21

**A—Bolts**
**B—Paddles**

KM00321,0000C7B -19-09DEC21-1/1

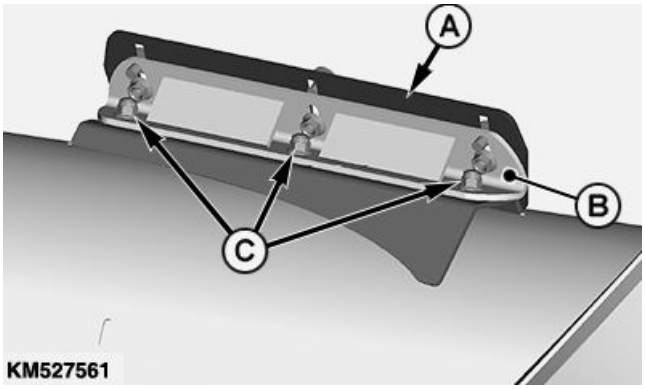
## Removing Feed Auger Paddles (High Crops)

When harvesting high crops or winter forage crops, remove paddles (A) and paddle brackets (B) bolted on auger for smoother feeding.

1. Loosen bolts (C).
2. Remove paddle (A) and paddle bracket (B).

Repeat procedure for each paddle.

**A—Paddle**
**B—Bracket**
**C—Bolts**




KM527561 —UN—09DEC21

KM00321,0000C7C -19-09DEC21-1/1

## Opening and Closing the Foldable Side Guard (Option)

### Open the Foldable Side Guard

1. Raise the windrow compressor roll.
2. Fold the gauge wheels inwards.
3. Turn handle (A) counterclockwise to unlock the side guard.
4. Turn screw (B) counterclockwise using a screwdriver.
5. Swing side guard (C) outwards.

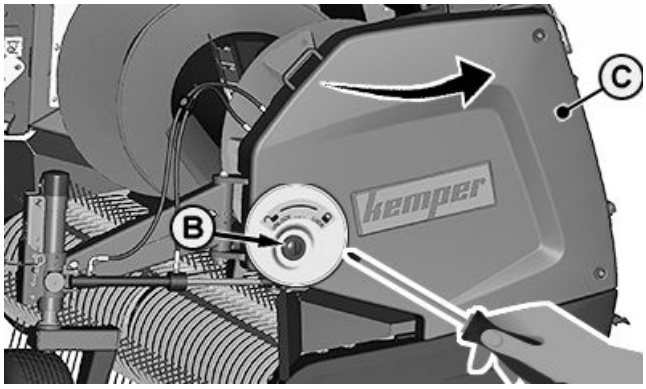
### Close the Foldable Side Guard

1. Swing side guard (C) inwards until handle (A) locks the side guard.
2. Turn screw (B) clockwise to lock the side guard.

**IMPORTANT: Before driving on public roads, make sure that handle (A) and screw (B) are both locked.**

**A—Handle**
**B—Screw**
**C—Side Guard**

KM690689 —UN—04NOV25




KM690665 —UN—15OCT25

km00321,1760536408145 -19-03NOV25-1/1

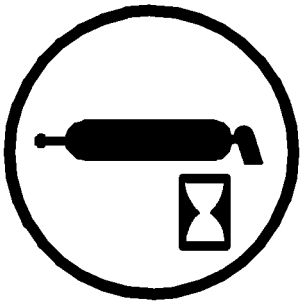
## Lubrication Intervals

Using self propelled forage harvester hour meter as a guide, perform services at the hourly intervals indicated on following pages.

**IMPORTANT: The recommended lubrication intervals are based on normal conditions. Severe or unusual conditions may require more frequent lubrication or oil changes.**

Clean grease fittings before using grease gun. Replace any lost or broken fittings immediately. If a new fitting fails to take grease, replace it or check whether the grease passage is blocked.

**CAUTION: Do not attempt to clean, lubricate or adjust the pickup while the harvester engine is running.**



CC 000934

CC000934 —UN—05APR95

CC,630APU003833 -19-25AUG97-1/1

## Grease

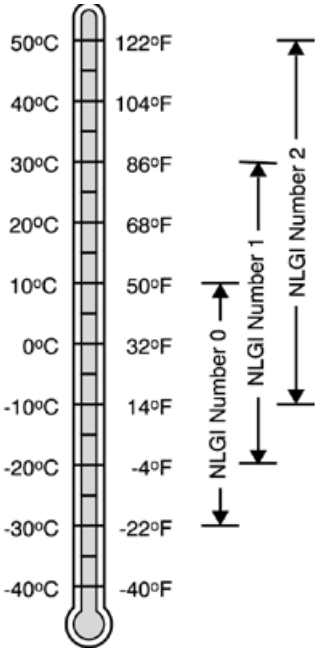
Use grease based on NLGI consistency numbers and the expected air temperature range during the service interval.

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

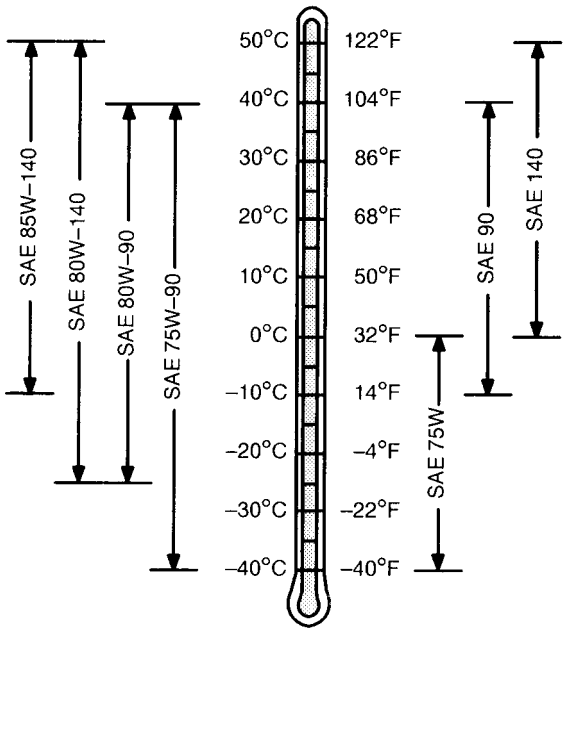
KM1000899 —UN—09JUN09

KM00321,000090F -19-11APR19-1/1

## Transmission 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.




KM00321,0000910 -19-11APR19-1/1

## 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.

KM00321,0000911 -19-11APR19-1/1

## Lubricant Storage

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

Use clean containers to handle all lubricants.

Store lubricants and containers in an area protected from dust, moisture, and other contamination. Store containers on their side to avoid water and dirt accumulation.

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

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

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

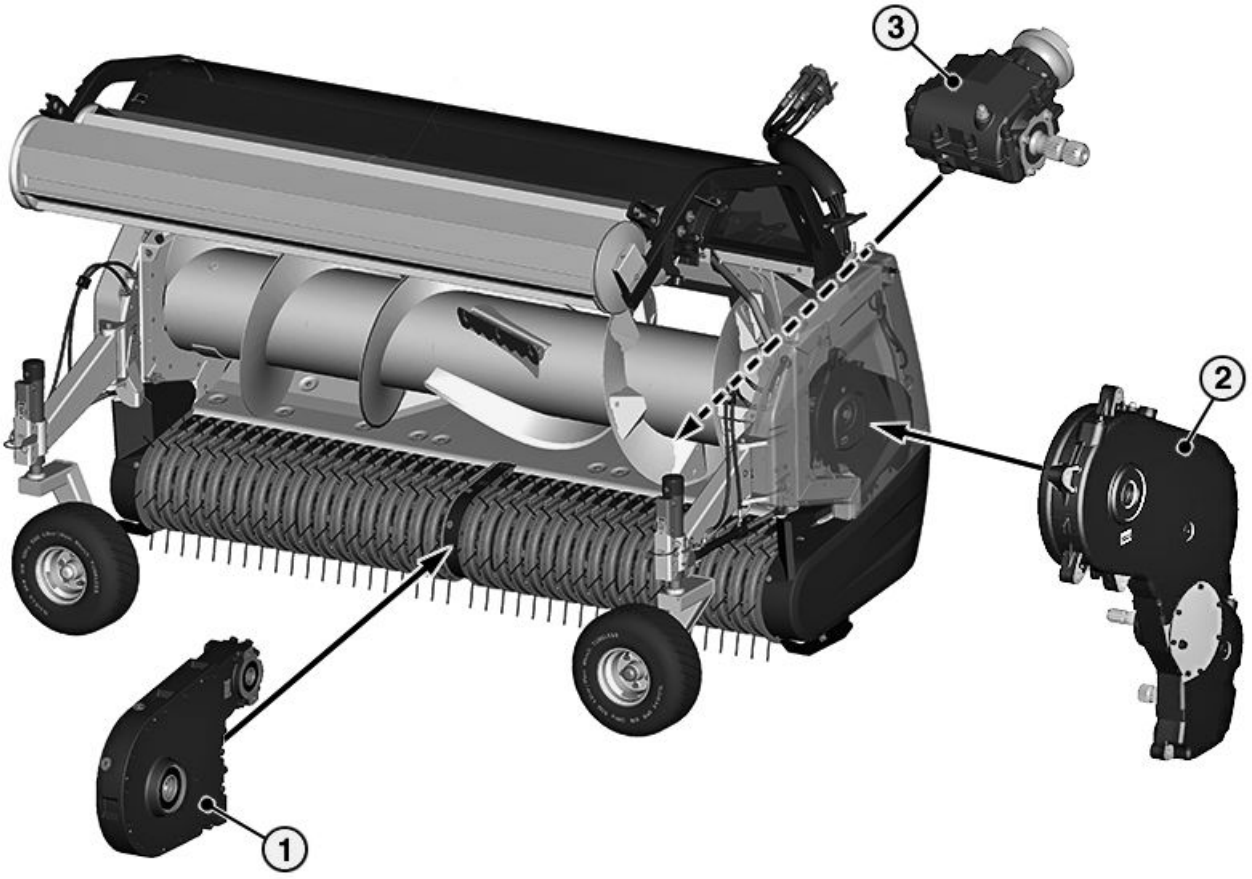
## Mixing of Lubricants

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

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

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

## Oil Levels in Transmissions and Oil Change Intervals




KM690666 —UN—17OCT25

**1— Pickup Drum Gear Case, 2.5 L (0.66 US gal) Oil, SAE 85W-140 API-GL5**

**2— Auger Drive Gear Case, 2.5 L (0.66 US gal) Oil, SAE 85W-140 API-GL5**

**3— Angle Drive, 1.4 L (0.37 US gal) Oil, SAE 85W-140 API-GL5**

**IMPORTANT: The oil of the transmissions must be changed after the first 50 operating hours and then every 500 operating hours.**

Raise the pickup slightly so that it is horizontal, and check the oil level in the transmissions.

km00321,1760692798031 -19-17OCT25-1/1

## After the First 50 Operating Hours—Change Oil in Transmissions

Change Oil of Pickup Drum Gear Case.

Change Oil of Auger Drive Gear Case.

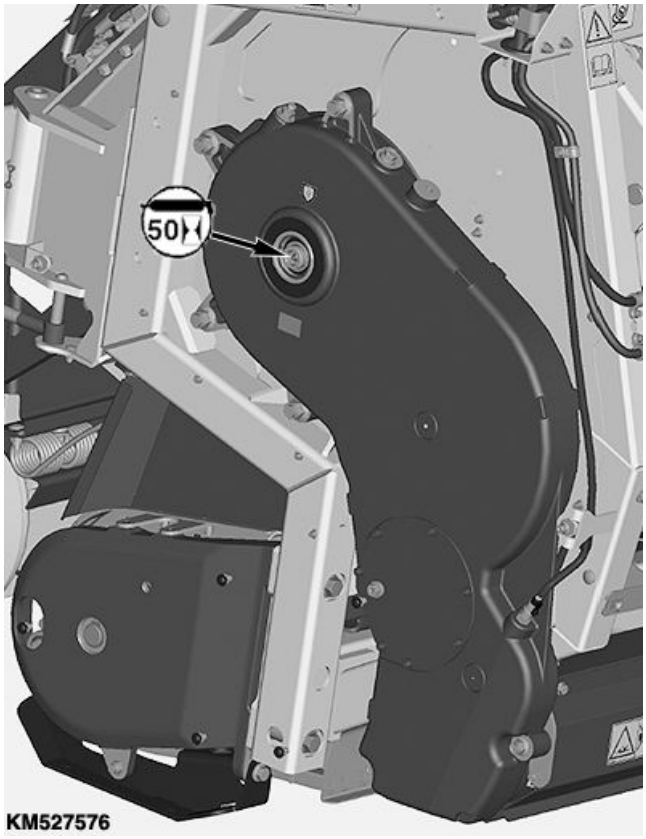
Change Angle Drive Oil.

*NOTE: For detailed oil change information, refer to the 500-hour interval.*

km00321,1720531380165 -19-10JUL24-1/1

## Every 50 Hours—Hub of Auger Drive

Lubricate with two to three strokes of grease.

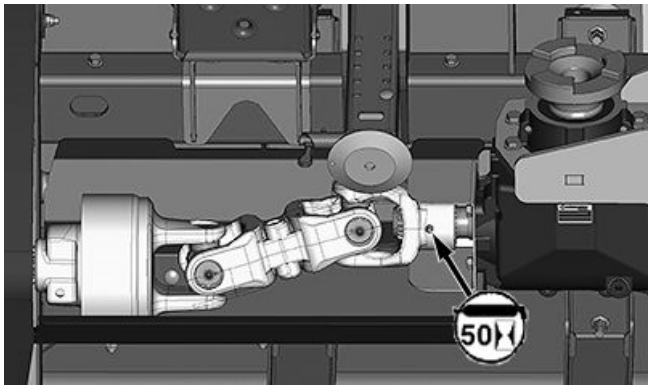



KM527576 —UN—13DEC21

km00321,1760705865759 -19-17OCT25-1/1

## Every 50 Hours—Spline Bushing of Auger Drive Shaft (C30 Pickup)

Lubricate with grease.

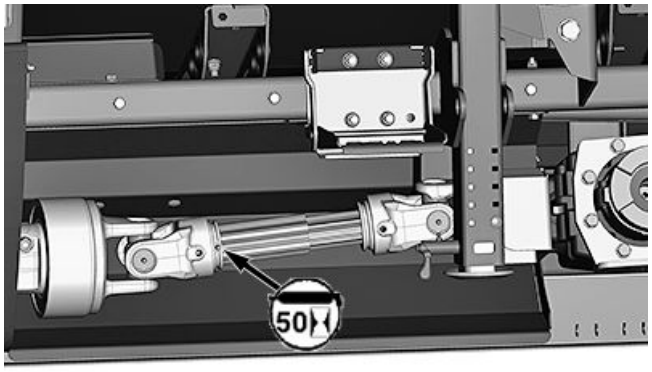



KM690686 —UN—31OCT25

km00321,1761907148276 -19-31OCT25-1/1

## Every 50 Hours—Spline Shaft of Auger Drive Shaft (C35 Pickup)

Lubricate with grease.

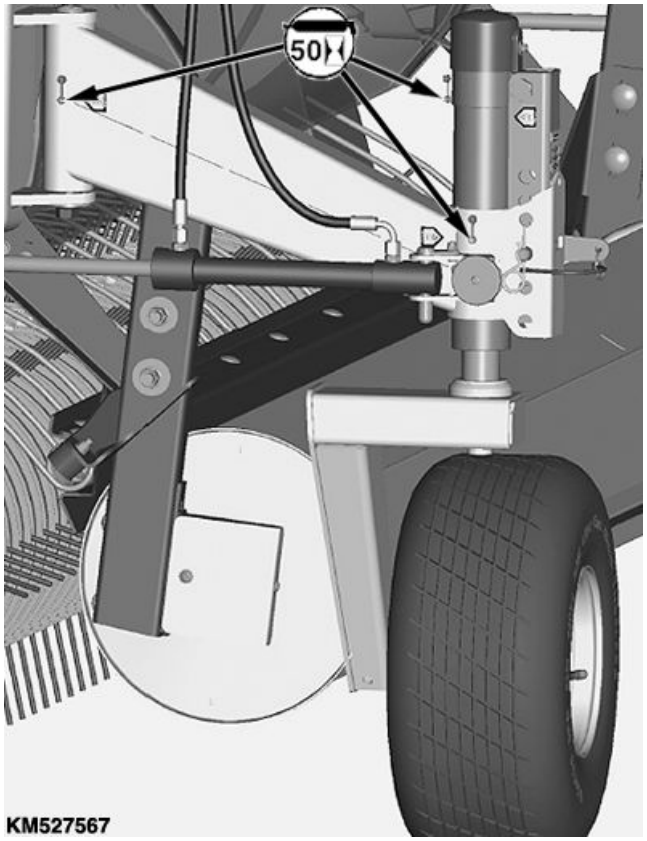



KM690687 —UN—31OCT25

km00321,1761908179649 -19-31OCT25-1/1

## Every 50 Hours—Pivoting Gauge Wheels

Lubricate with grease.



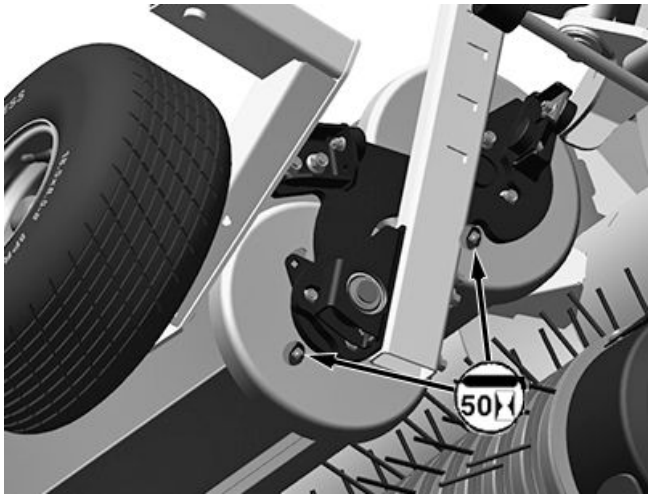

KM527567 —UN—10DEC21

km00321,1760705945399 -19-17OCT25-1/1

## Every 50 Hours—Roller of Windrow Compressor Roll

*NOTE: Rotate the roller until the grease fitting is fully visible and accessible for lubrication.*

Lubricate with grease.




KM690668 —UN—17OCT25

km00321,1760705319629 -19-20OCT25-1/1

## Every 50 Hours—Lift Arms of Windrow Compressor Roll

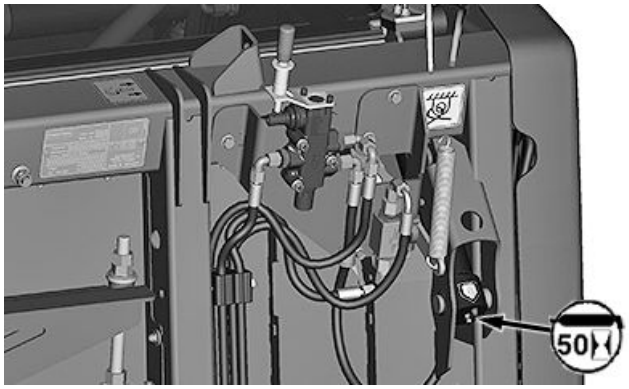
Lubricate with grease.

KM690667 —UN—17OCT25

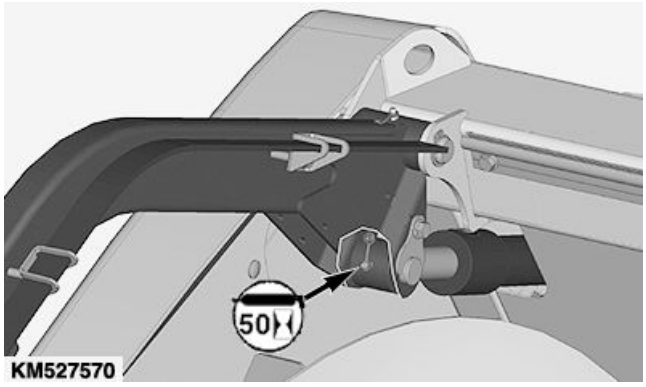
km00321,1760694096353 -19-17OCT25-1/1

## Every 50 Hours—Cylinder of Windrow Compressor Roll

Lubricate with grease.




KM690670 —UN—20OCT25

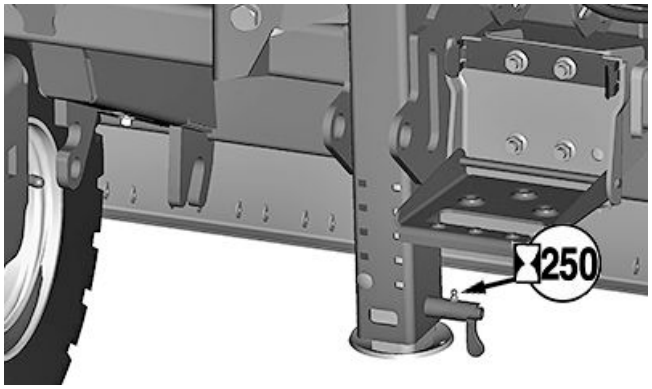



KM527570 —UN—10DEC21

km00321,1760707814485 -19-20OCT25-1/1

## Every 250 Hours—Jackstands

Lubricate with grease.

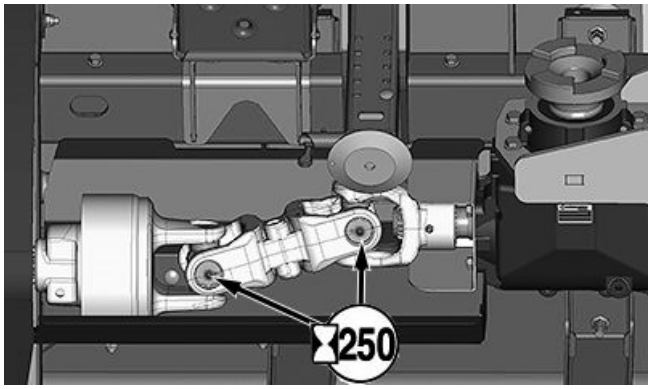



KM690671 —UN—21OCT25

km00321,1760971122292 -19-20OCT25-1/1

## Every 250 Hours—Auger Drive Shaft (C30 Pickup)

Lubricate with grease.

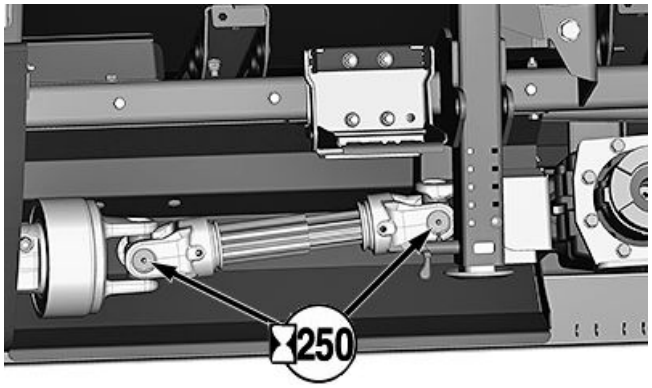



KM690669 —UN—31OCT25

km00321,1760708952719 -19-30OCT25-1/1

## Every 250 Hours—Auger Drive Shaft (C35 Pickup)

Lubricate with grease.

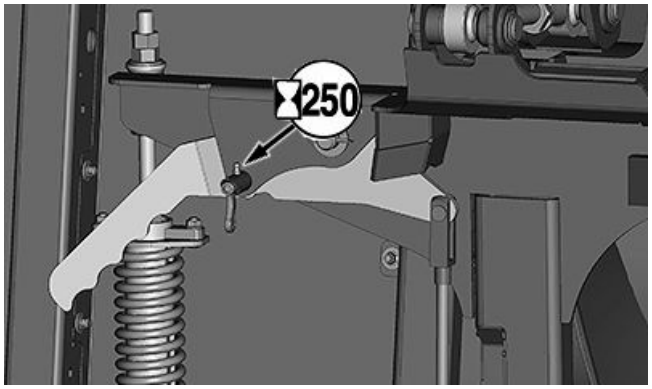



KM690683 —UN—31OCT25

km00321,1761834288598 -19-30OCT25-1/1

## Every 250 Hours—Locking Lever

Lubricate with grease.

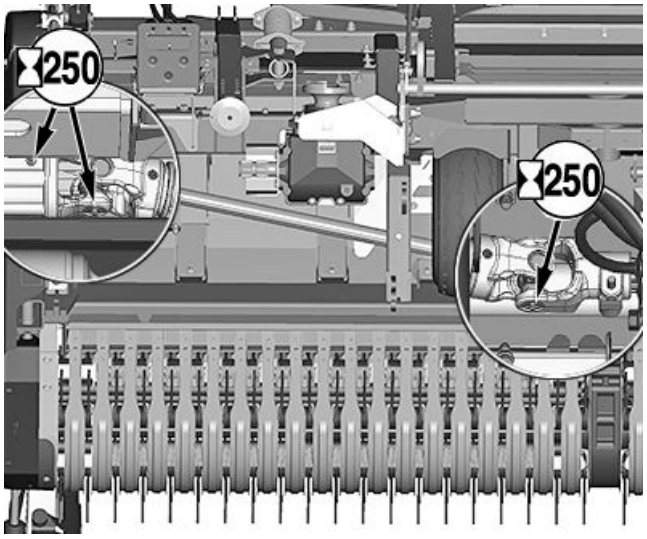



KM690684 —UN—30OCT25

km00321,1761834976781 -19-30OCT25-1/1

## Every 250 Hours—Pickup Drum Drive Shaft

Lubricate with grease.




KM690672 —UN—21OCT25

km00321,1761048796283 -19-22OCT25-1/1

## Every 500 Hours—Change Oil in Transmissions

Change Oil of Pickup Drum Gear Case.

Change Oil of Auger Drive Gear Case.

Change Angle Drive Oil.

km00321,1720531832463 -19-10JUL24-1/1

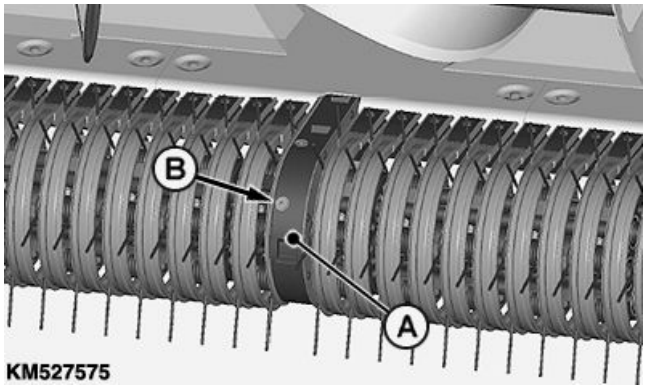
## Change Oil of Pickup Drum Gear Case

**CAUTION: Excessive heat may develop at the gear case. Keep away from hot surfaces. Hot surfaces may cause serious burns. Wait until the gear case has cooled down before servicing.**

**Change Pickup Drum Gear Case Oil:** After the first 50 operating hours, thereafter every 500 operating hours, or at the end of the harvesting season.

Raise the pickup slightly so that it is horizontal, and check the oil level in gear case (A). The oil level is correct when it reaches the bottom edge of oil level plug (B).

**IMPORTANT: Do not overfill gear case (A) as this will result in overheating and oil leakage.**




KM527575 —UN—13DEC21

**A—Pickup Drum Gear Case, 2.5 L (0.66 US gal) Oil, SAE 85W-140 API-GL5**

**B—Oil Level Plug**

km00321,1720187052845 -19-10JUL24-1/1

## Change Oil of Auger Drive Gear Case

**CAUTION: Excessive heat may develop at the gear case. Keep away from hot surfaces. Hot surfaces may cause serious burns. Wait until the gear case has cooled down before servicing.**

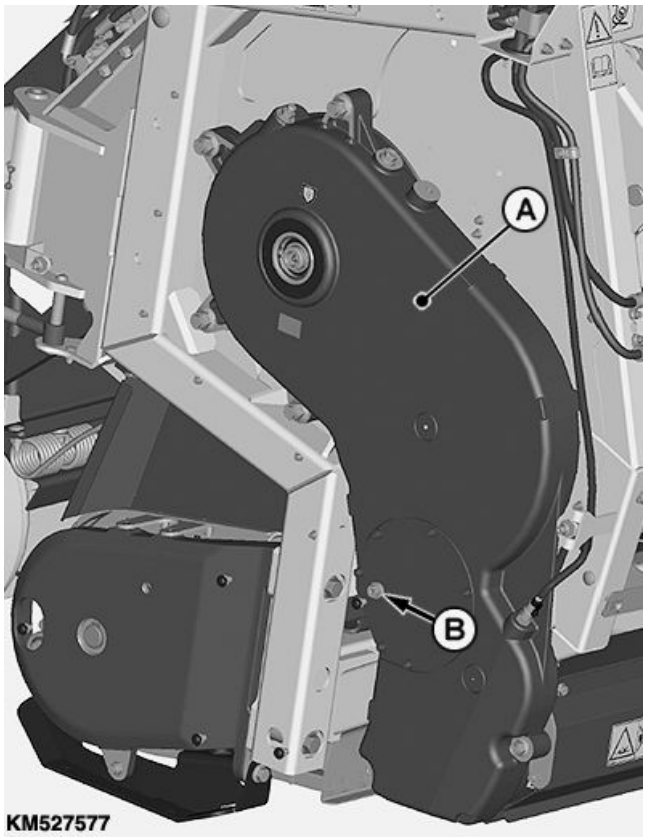
**Change Auger Drive Gear Case Oil:** After the first 50 operating hours, thereafter every 500 operating hours, or at the end of the harvesting season.

Raise the pickup slightly so that it is horizontal, and check the oil level in gear case (A). The oil level is correct when it reaches the bottom edge of oil level plug (B).

**IMPORTANT: Do not overfill gear case (A) as this will result in overheating and oil leakage.**

**A—Auger Drive Gear Case, 2.5 L (0.66 US gal) Oil, SAE 85W-140 API-GL5**

**B—Oil Level Plug**




KM527577 —UN—13DEC21

km00321,1720187245946 -19-10JUL24-1/1

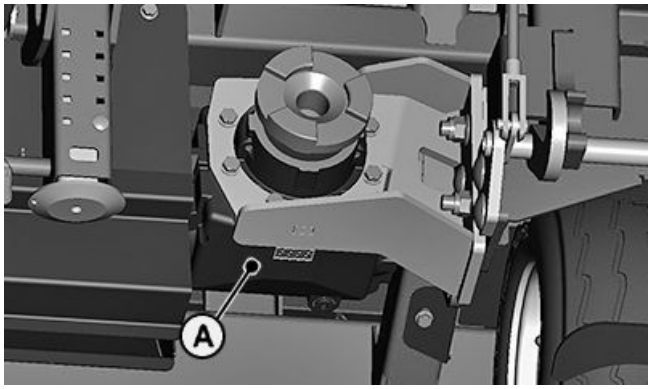
## Change Angle Drive Oil

**CAUTION: Excessive heat may develop at the angle drive. Keep away from hot surfaces. Hot surfaces may cause serious burns. Wait until the angle drive has cooled down before servicing.**

**Change Angle Drive Oil:** After the first 50 operating hours, thereafter every 500 operating hours, or at the end of the harvesting season.

**IMPORTANT: Do not overfill gear case (A) as this will result in overheating and oil leakage.**

**A—Angle Drive, 1.4 L (0.37 US gal) Oil SAE 85W-140 API-GL5**

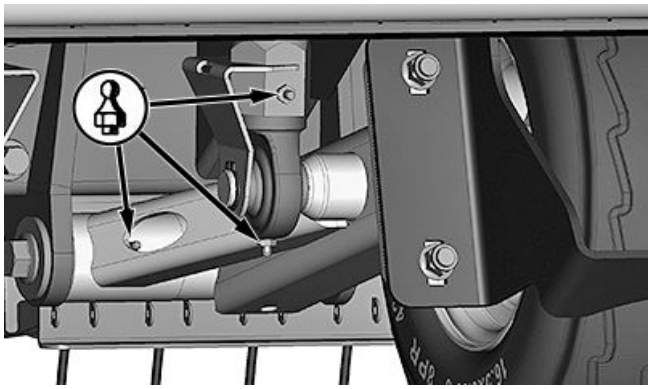



KM690673 —UN—22OCT25

km00321,1761122870389 -19-24OCT25-1/1

## Annually or After Cleaning With High Pressure Cleaner—Rear Wheels

Lubricate with grease.



KM690674 —UN—22OCT25

km00321,1761125261556 -19-24OCT25-1/1

## Troubleshooting

**CAUTION: When lifting the pickup, place blocks underneath. Shut off the engine before making any adjustments or performing any service operations.**

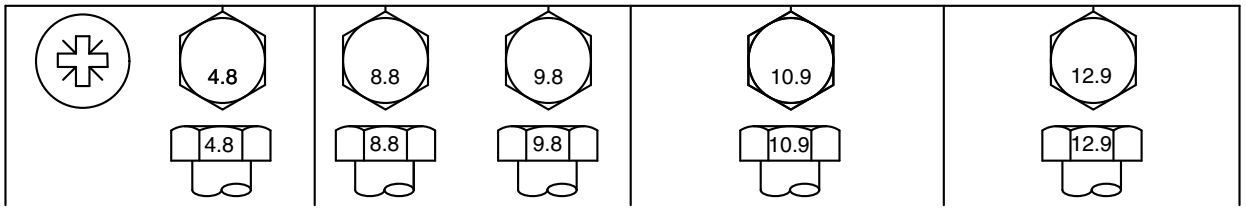
| Symptom | Problem | Solution |
|---|---|---|
| **The pickup does not drop to the ground** | Front tires over-inflated | Reduce tire pressure |
| | Float pressure too high[1] | Reset float pressure correctly |
| **The pickup digs into the ground** | Gauge wheels incorrectly set | Readjust gauge wheels |
| **Feed auger slips too easily** | Feed auger speed too high | Reduce feed auger speed |
| | Feed auger paddles are set too far outward | Move feed auger paddles further inward |
| | Slip clutch worn | Replace worn parts |
| **Only part of crop is picked up** | Pickup teeth turn too slowly | Increase their speed |
| | Ground speed too fast | Slow down |
| | Gauge wheels incorrectly set | Adjust height of gauge wheels |
| **Pickup teeth cannot turn** | Defective cam | Check whether cam is broken or worn |
| **Pickup does not float or drop freely** | Excessive or insufficient floatation | Adjust float pressure[1] |
| | Studs or springs on gear case freewheel worn or broken | Change the parts affected |
| **Pickup leaves part of the crop on ground** | Pickup is floating in the air | Adjust float pressure[1] |
| | Teeth squint or broken | Straighten or replace teeth |
| **Broken pickup teeth** | Pickup too low | Raise pickup |
| | Foreign bodies or broken teeth inside pickup cylinder | Remove foreign bodies or broken teeth |
| **Crop not conveyed, clogging at feed opening** | High-volume windrows and/or excessive ground speed | Reduce volume of windrows or slow down |
| | Loss of pickup teeth | Replace lost teeth |
| **Pivoting gauge wheels cannot be adjusted** | No grease in pivoting gauge wheels | Lubricate pivoting gauge wheels with grease |

[1] *See operator's manual of relevant harvester*

km00321,1761125473706 -19-22OCT25-1/1

## Metric Bolt and Screw Torque Values

TS1742 —UN—31MAY18



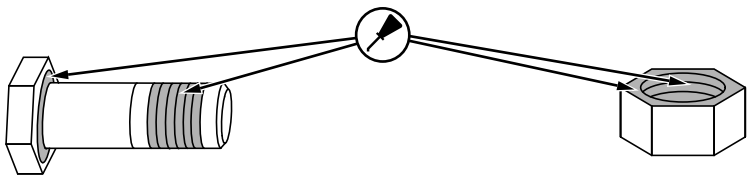

| Bolt or Screw Size | Class 4.8 | | | | Class 8.8 or 9.8 | | | | Class 10.9 | | | | Class 12.9 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Hex Head[a] | | Flange Head[b] | | Hex Head[a] | | Flange Head[b] | | Hex Head[a] | | Flange Head[b] | | Hex Head[a] | | Flange 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



*[a]Hex head column values are valid for ISO 4014 and ISO 4017 hex head, ISO 4162 hex socket head, and ISO 4032 hex nuts.*
*[b]Hex 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

## Align Tilt Frame

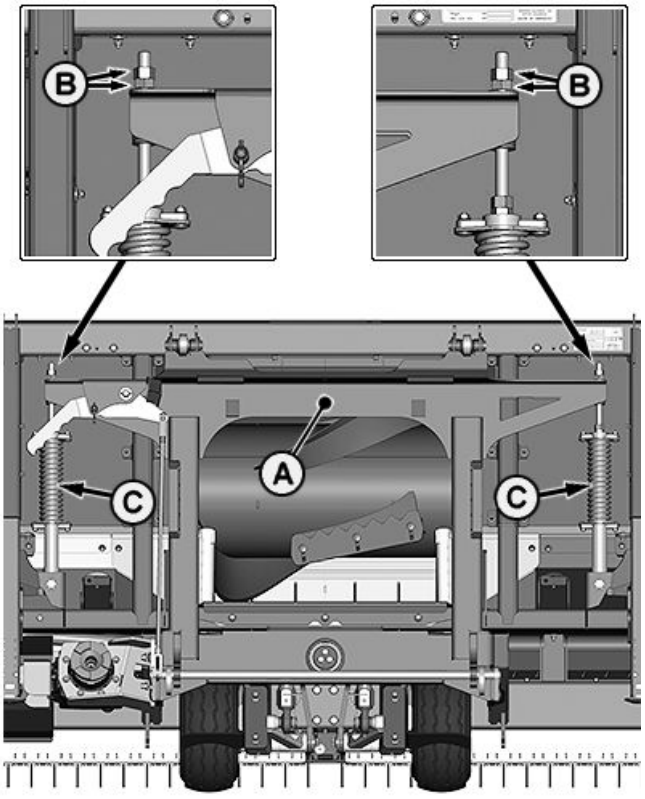
**If tilt frame (A) is not horizontal:**

1. Loosen nuts (B) on the lower side of tilt frame (A).
2. Turn down nuts (B) on the higher side of tilt fame (A) until the tilt frame is parallel.
3. Tighten nuts (B) on the opposite side so they fit snugly.

**IMPORTANT: Nuts (B) are designed solely for adjusting the tilt frame. Do not overtighten nuts (B), as excessive torque can cause damage to the tilt frame.**

**Spring assemblies (C) are intended for the horizontal alignment of the pickup and are preloaded at the factory.**

**A—Tilt Frame**
**B—Nut**
**C—Spring Assembly**




KM690682 —UN—30OCT25

km00321,1761830871394 -19-30OCT25-1/1

## Replace Pickup Strippers

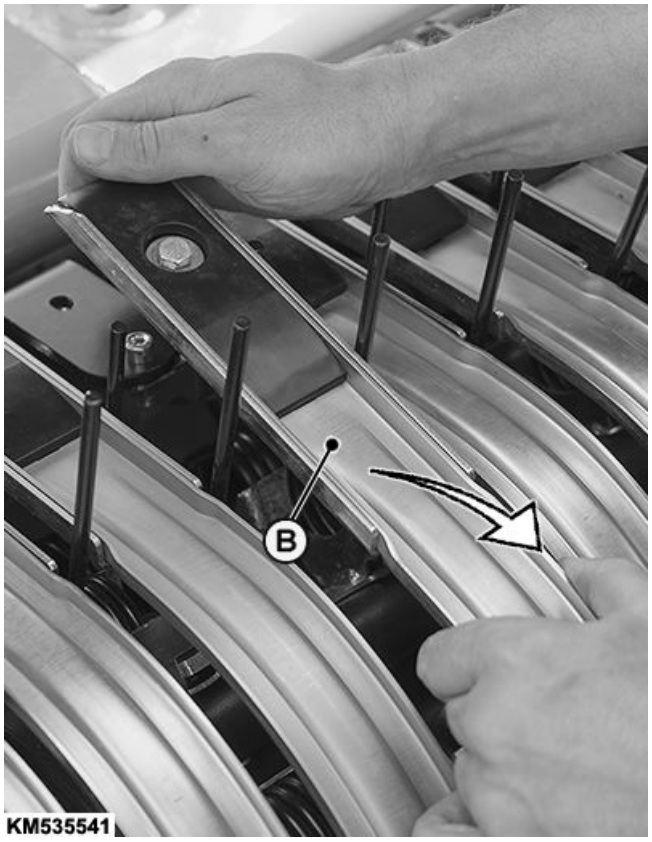
*NOTE: The strippers are attached with only one screw for quick and easy installation.*

To replace a stripper, proceed as follows:

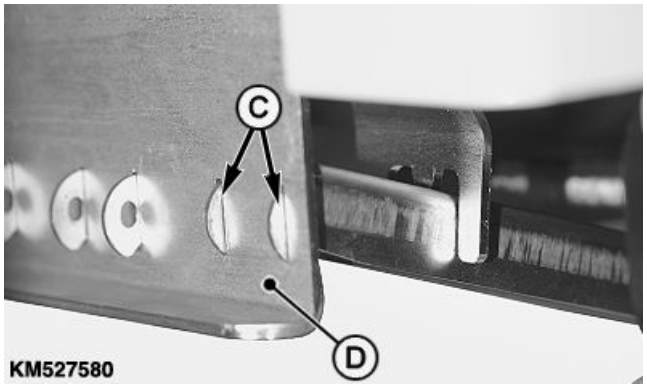
1. Loosen screw (A).
2. Lower stripper (B) until hooks (C) are released from support bar (D).
3. Remove stripper (B).
4. Install a new stripper in reverse order of its removal.

**A—Screw**
**B—Stripper**
**C—Hook**
**D—Support Bar**

KM535542 —UN—09AUG22




KM535541 —UN—09AUG22



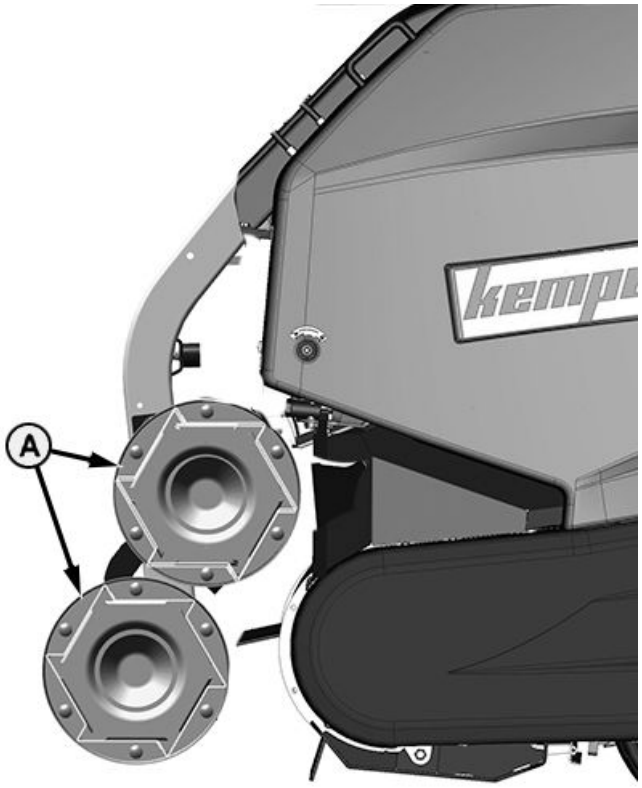

KM527580 —UN—13DEC21

KM00321,0000C90 -19-22OCT25-1/1

## Mounting Orientation of Roller

Whenever the roller (A) of the windrow compressor roll has been removed, pay attention to the mounting orientation when reinstalling roller (A).

**A—Roller**




KM690675 —UN—22OCT25

*Roller*

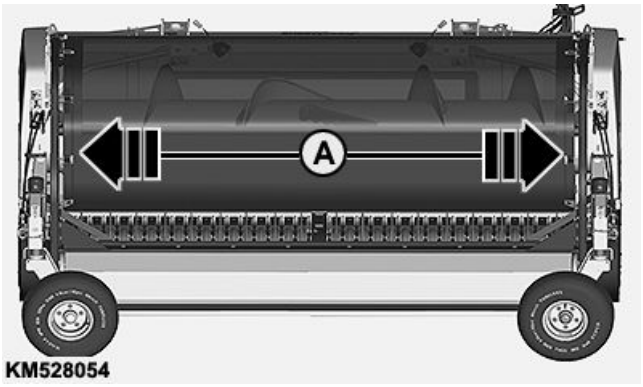
km00321,1761131914594 -19-04NOV25-1/1

## Trash Net

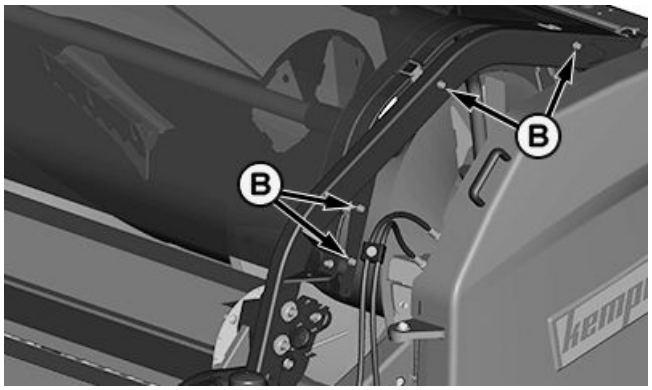
Keep trash net (A) tensioned.

If necessary, tighten screws (B) for proper tension.

**A—Trash Net** **B—Screws**




KM528054 —UN—13DEC21




KM690676 —UN—22OCT25

km00321,1761134039788 -19-22OCT25-1/1

# Storage

## Storing the Pickup

Thoroughly clean pickup. Chaff and dirt will draw moisture and cause rust.

Store pickup in a sheltered location, standing on its wheels and support stand.

Do not deflate the tires. Protect them from direct sunlight and the effects of grease and oil.

Thoroughly lubricate pickup (See “Lubrication and Maintenance” section).

Touch up any worn or damaged paintwork.

List replacement parts that will be needed for the next season and order them early.

KM00321,0000C9C -19-14DEC21-1/1

## Taking the Pickup out of Storage

If necessary, thoroughly clean pickup.

Thoroughly lubricate pickup (See “Lubrication and Maintenance” section).

Check the tightness of all hardware.

Check tire pressure and re-inflate tires if necessary.

Run pickup without load and at half speed for several minutes. Check bearings for overheating and excessive looseness.

Review Operator's Manual.

KM00321,0000C9D -19-14DEC21-1/1

# 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.

KM00321,000092C -19-13APR19-1/1

## C30 Pickup

| | |
|---|---|
| Transport Width | 3.00 m (9 ft. 10 in.) |
| Effective Operating Width (Tine to Tine) | 2.70 m (8 ft. 10.3 in.) |
| Overall Width | 4.15 m (13 ft. 7.4 in.) |
| Length | 1.35 m (4 ft. 5.2 in.) |
| Height | 1.45 m (4 ft. 9 in.) |
| Weight | 1750 kg (3858 lb.) |
| Number of teeth | 6 x 20 |
| Diameter of feed auger | 790 mm (31.1 in.) |
| Feed auger type | Adjustable paddles |

km00321,1761295453203 -19-24OCT25-1/1

## C35 Pickup

| | |
|---|---|
| Transport Width | 3.49 m (11 ft. 5.4 in.) |
| Effective Operating Width (Tine to Tine) | 3.20 m (10 ft. 5.9 in.) |
| Overall Width | 4.65 m (15 ft. 3.1 in.) |
| Length | 1.35 m (4 ft. 5.2 in.) |
| Height | 1.45 m (4 ft. 9 in.) |
| Weight | 1900 kg (4190 lb.) |
| Number of teeth | 6 x 24 |
| Diameter of feed auger | 790 mm (31.1 in.) |
| Feed auger type | Adjustable paddles |

km00321,1761295495542 -19-24OCT25-1/1

## Front Tires

| | |
|---|---|
| Type | 18.5 x 8.5 - 8 (8 PR) |
| Width | 212 mm (8.35 in.) |
| Outside diameter | 483 mm (19.01 in.) |
| Tire pressure | 480 kPa (4.8 bar) (65 psi) |
| Speed | 40 km/h (25 mph) |
| Maximum load | 520 kg (1146 lb.) |

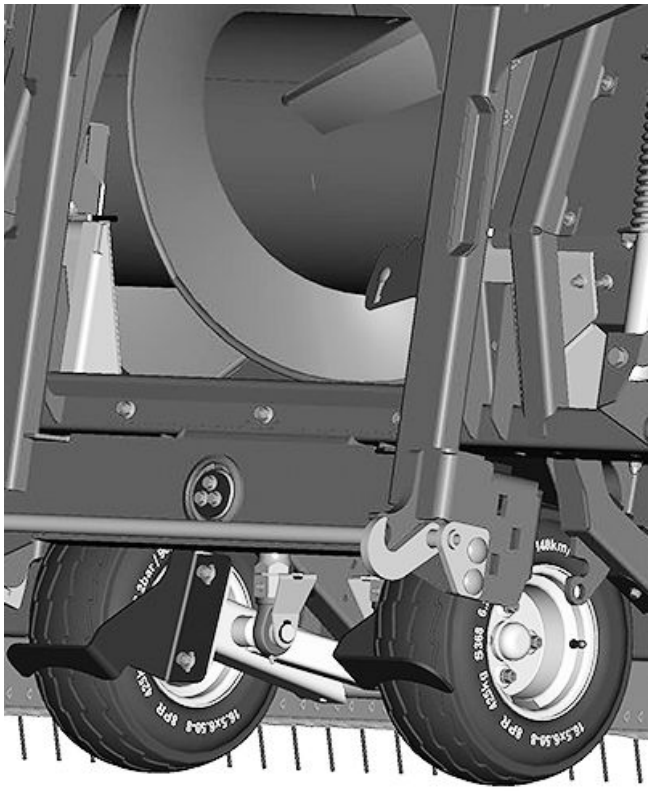
KM690677 —UN—24OCT25

*Front Tires*

km00321,1761298525722 -19-24OCT25-1/1

## Rear Tires

| | |
|---|---|
| Type | 16.5 x 6.50 - 8 (8 PR) |
| Width | 170 mm (6.69 in.) |
| Outside diameter | 420 mm (16.5 in.) |
| Tire pressure | 620 kPa (6.2 bar) (90 psi) |
| Speed | 140 km/h (87 mph) |
| Maximum load | 520 kg (1146 lb.) |



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*RearTires*

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## Sound Level

Max. sound level at operator's ear in accordance with DIN ISO 11204. Measurement method in accordance with ISO 5131 with pickup attached to the forage harvester and cab closed (average value):

| | |
|---|---|
| C30, C35 | 78.5 dB(A) |

km00321,1761305482082 -19-24OCT25-1/1

# EU Declaration of Conformity

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

The undersigned hereby declares that:

**Machine Type:** Pickup

**Models:** C30, C35

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 | EN ISO 4254-1:2015 |
| Agricultural Machinery Safety—Part 7 | EN ISO 4254-7:2017 |
| Agricultural Machinery Safety—Part 12 | EN ISO 4254-12:2012 |
| Machine safety | EN ISO 12100:2010 |
| Safety of Power take-off (PTO) drive shafts and their guards | EN 12965:2019 |

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 Stadtlohn, Germany
service@kemper-stadtlohn.de

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

**Place of Declaration:** 48703 Stadtlohn, Germany

**Date of Declaration:** 01 May 2025

**Manufacturing Unit:** Kemper, Stadtlohn, Germany

Name: Martin Rittershofer

Title: Manager Product Engineering Heads

DXCE01 —UN—28APR09

CE

km00321,1761298784987 -19-24OCT25-1/1

## UK Declaration of Conformity

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

The undersigned hereby declares that:

**Machine Type:** Pickup

**Models:** C30, C35

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 4254-1:2015 |
| Agricultural Machinery Safety—Part 7 | EN ISO 4254-7:2017 |
| Agricultural Machinery Safety—Part 12 | EN ISO 4254-12:2012 |
| Machine safety | EN ISO 12100:2010 |
| Safety of Power take-off (PTO) drive shafts and their guards | EN 12965:2019 |

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

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

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

**Place of Declaration:** 48703 Stadtlohn, Germany

**Date of Declaration:** 01 May 2025

**Manufacturing Unit:** Kemper, Stadtlohn, Germany

Name: Martin Rittershofer

Title: Manager Product Engineering Heads

RXA0179545 —UN—16APR21

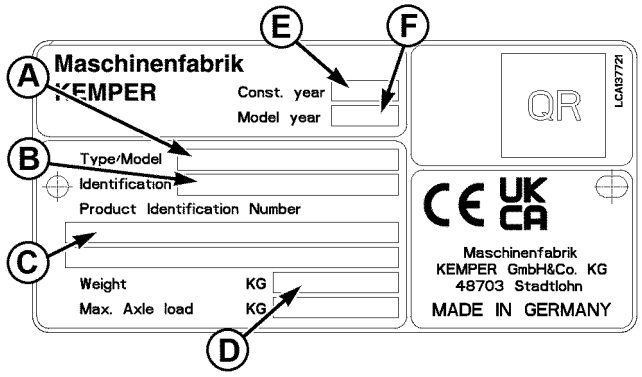
UK CA

km00321,1761298801960 -19-24OCT25-1/1

# Serial Number

## Serial Number Plate

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

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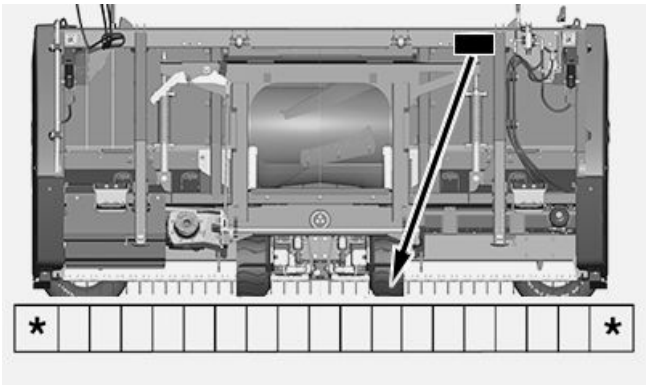
## Record Pickup Serial Number

The serial number plate is located on the right-hand side of the pickup.

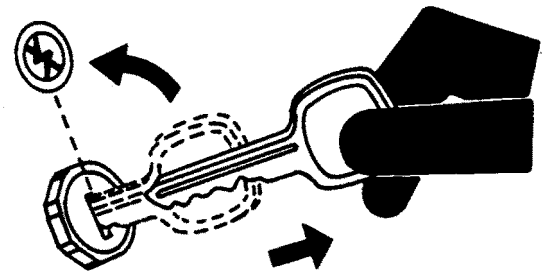


KM690681 —UN—24OCT25

km00321,1761312436840 -19-24OCT25-1/1

## Keep Machines Secure

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



**KM1002283**

KM1002283 —UN—03MAY12

KM00321,0000928 -19-12APR19-1/1

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