

**814, 816, 818
and 820
Cutting Platforms**
(from Serial No. 014557)

**John Deere Werke Zweibrücken
OMZ92510 Issue K6**

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ENGLISCH

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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.

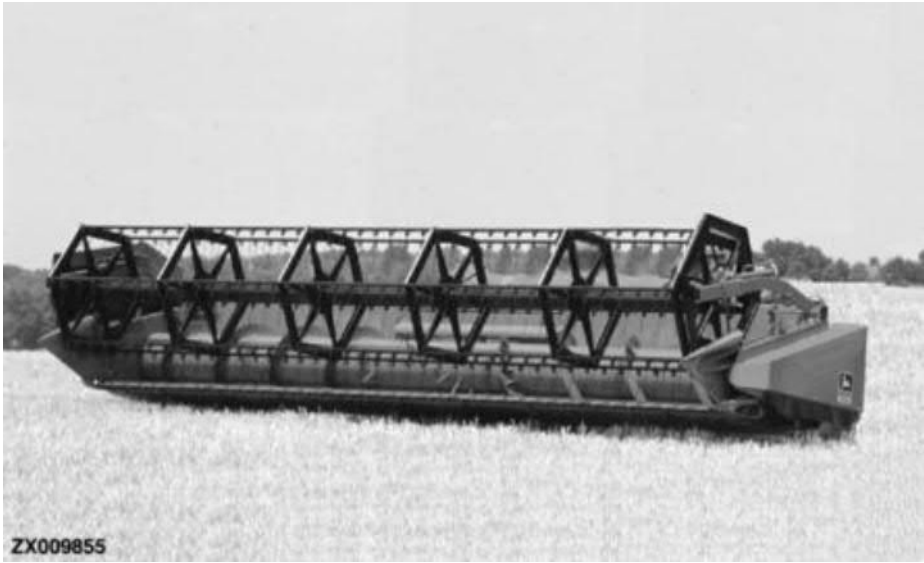
OMZ92510 K6-19-01NOV96

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Identification View



ZX009855

ZX009855 -JUN-30OCT96

ZX.OMCUPL006984-19-01OCT96

Safety

RECOGNIZE SAFETY INFORMATION

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

Follow recommended precautions and safe operating practices.



DX,ALERT -19-03MAR93

T81389 -UN-07DEC68

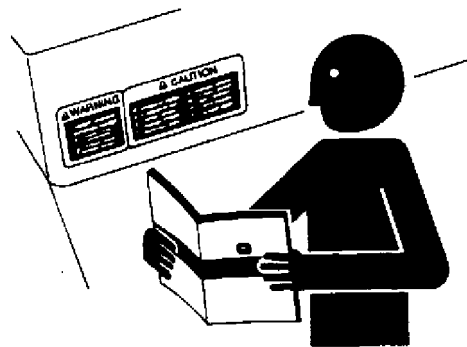
FOLLOW SAFETY INSTRUCTIONS

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

Learn how to operate the machine and how to use controls properly. Do not let anyone operate without instruction.

Keep your machine in proper working condition. Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.

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



DX,READ -19-03MAR93

T5201 -UN-23AUG88

UNDERSTAND SIGNAL WORDS

A signal word—DANGER, WARNING, or CAUTION—is used with the safety-alert symbol. DANGER identifies the most serious hazards.

DANGER or WARNING safety signs are located near specific hazards. General precautions are listed on CAUTION safety signs. CAUTION also calls attention to safety messages in this manual.



DX,SIGNAL -19-03MAR93

TS187 -19-30SEP88



OBSERVE ROAD TRAFFIC REGULATIONS

Always observe local road traffic regulations when using public roads.



H28930 -UN-30JUN89

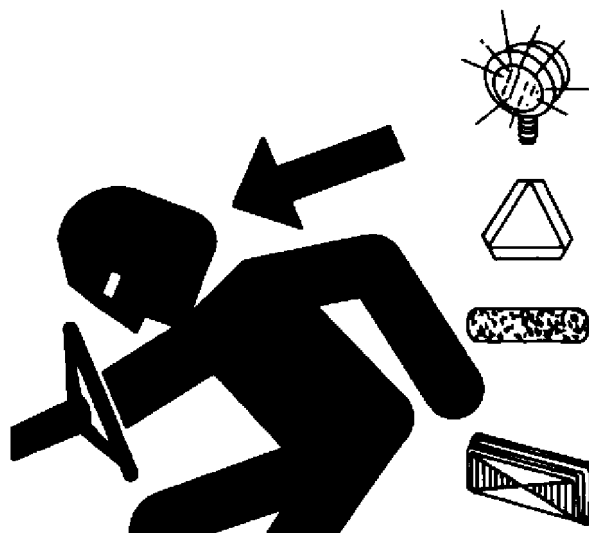
FX,ROAD -19-01MAY91

USE SAFETY LIGHTS AND DEVICES

Slow moving tractors, self-propelled equipment and towed implements or attachments can create a hazard when driving on public roads. They are difficult to see, especially at night. Avoid personal injury or death resulting from collision with a vehicle.

If legally permitted, use flashing warning lights or rotary beacons whenever driving on public roads. To increase visibility, use the lights and devices provided with your machine. For some equipment, install additional flashing warning lights.

Keep safety items in good condition. Replace missing or damaged items. An implement safety lighting kit is available from your John Deere dealer.



T5951 -UN-12APR90

ZX,FLASH -19-01OCT91

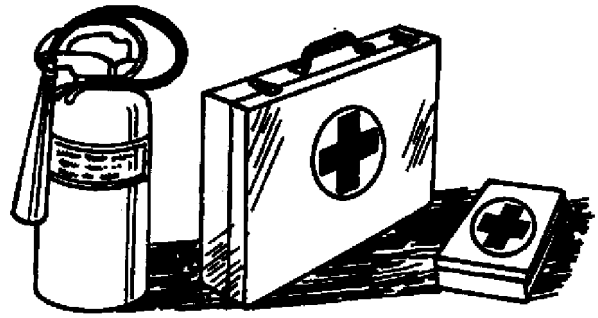


PREPARE FOR EMERGENCIES

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.



DX.FIRE2 -19-03MAR93

TS291
-UN-23AUG88

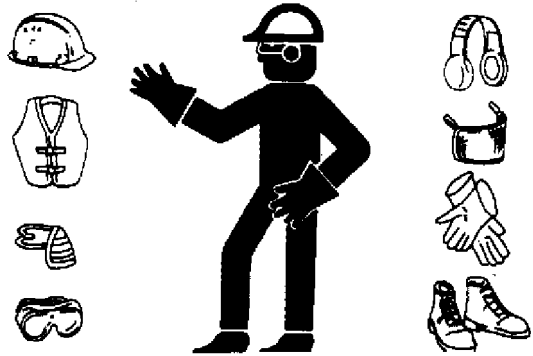
WEAR PROTECTIVE CLOTHING

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.



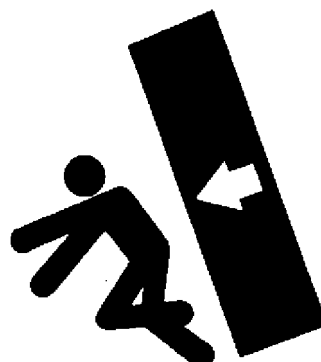
DX.WEAR -19-10SEP90

TS206
-UN-23AUG88

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.



DX.STORE -19-03MAR93

TS219
-UN-23AUG88

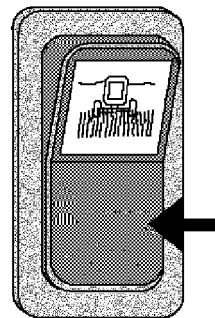


ROAD SAFETY SWITCH

IMPORTANT: Before driving combine on public roads, make sure that road safety switch is in road position. Also move harvesting unit and unloading auger to transport position.

This ensures that all hydraulic functions — with exception of the steering system — are not working.

ZX 002418



ZX, SWITCHXZCO -19-01MAR95

ZX002418 -UN-16JUN95

DRIVING THE COMBINE

Operate machine only when all guards are correctly installed.

Before moving away, always check immediate vicinity of machine (e.g. for children). Ensure adequate visibility. Use the horn as a warning immediately before moving away.

Always adapt ground speed to road or field conditions. Avoid making sharp turns when driving up or down slopes or when driving across a slope. Be especially careful when turning on slopes with full grain tank.

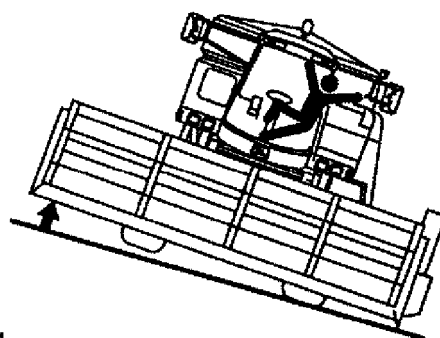
Attach harvesting units and other implements to combine with extreme care.

When making turns, always take into consideration the width of the attachment and the fact that the rear end of the combine swings out. Attachments and ground conditions affect the driving characteristics of the combine.

Reduce ground speed when driving on slopes or over uneven ground and before making sharp turns. Before descending a steep hill, shift to a lower gear.

Avoid holes, ditches and obstructions which may cause the combine to tip, particularly on hillsides.

ZX002461



ZX, DRIVEXZCO -19-27JAN92

ZX002461 -UN-16JUN95

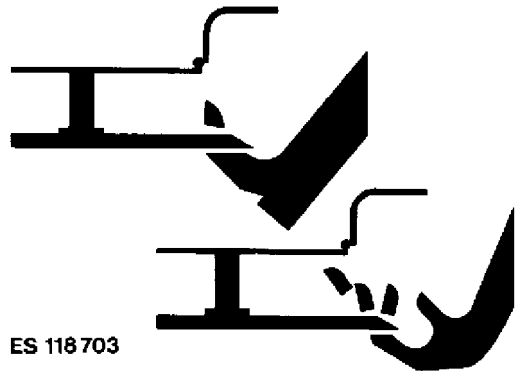


GUARDS AND SHIELDS

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

FX,DEVICE -19-04DEC90

ES118703 -UN-21MAR95

STAY CLEAR OF HARVESTING UNITS

Cutterbar, auger, reel and feed rolls cannot be completely shielded due to their function. Stay clear of these moving elements during operation. Always disengage main clutch, shut off engine and remove key before servicing or unclogging machine.



ES 118 704

FX,CUT -19-21DEC90

ES118704 -UN-21MAR95

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 machine before starting the engine.



FX,KNIFE1 -19-15FEB93

TS254 -UN-23AUG88

STAY CLEAR OF ROTATING DRIVELINES

Entanglement in rotating driveline can cause serious injury or death.

Keep tractor master shield and driveline shields in place at all times. Make sure rotating shields turn freely.

Wear close fitting clothing. Stop the engine and be sure PTO driveline is stopped before making adjustments, connections, or cleaning out PTO driven equipment.



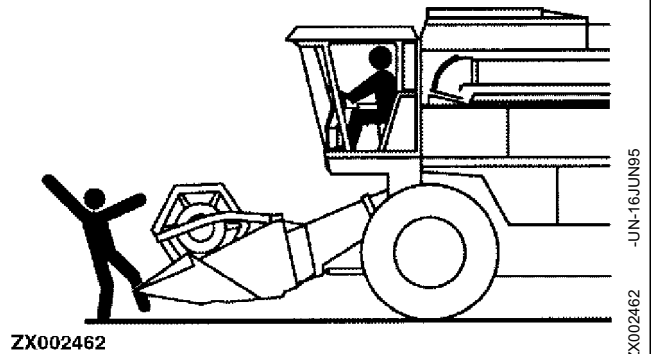
DX,PTO -19-12SEP95

TS1644 -UN-22AUG95



TRANSPORT WITH HARVESTING UNIT INSTALLED

Before driving combine on public roads, harvesting unit must be raised and secured in this position. It must not, however, obstruct operator's view of the road. Remove crop dividers (if equipped) and install protective cover.

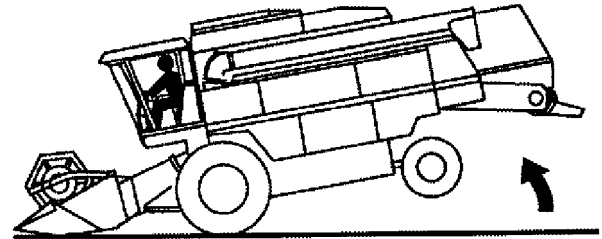


ZX,HEADERXZCO -19-27JAN92

-UN-16JUN95
ZX002462

BALLASTING FOR SAFE GROUND CONTACT

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



ZX002463

ZX,WEIGHTXZCO -19-27JAN92

-UN-16JUN95
ZX002463

PARKING AND LEAVING THE COMBINE

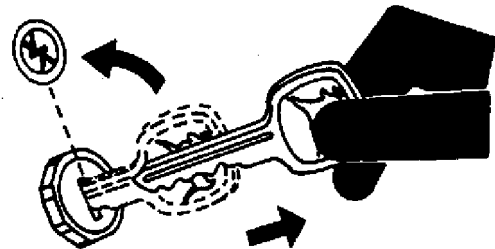
Lower harvesting unit to the ground.

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

NOTE: Use only chock blocks provided with the machine.

Never leave combine unattended as long as engine is running.

Never leave the operator's cab when driving.



ZX,PARKXZCO -19-13APR92

-UN-24MAY89
TS230



PRACTICE SAFE MAINTENANCE

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

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

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

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

Disconnect battery ground cable (-) before making adjustments on electrical systems or welding on machine.



DX,SERV -19-03MAR93

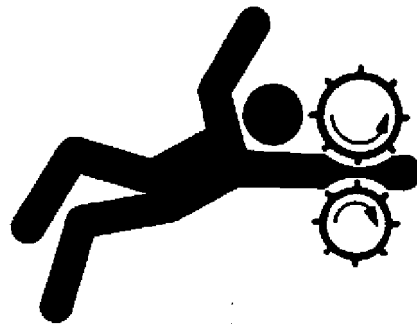
-UN-23AUG88

TS218

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.



DX,LOOSE -19-04JUN90

-UN-23AUG88

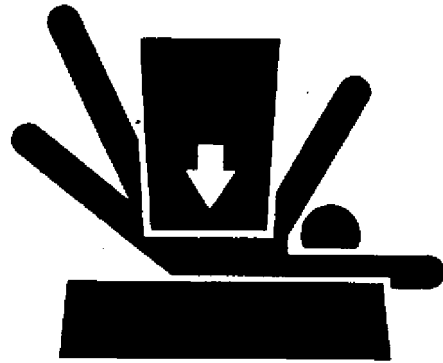
TS228



SUPPORT MACHINE PROPERLY

Always lower the attachment or implement to the ground before you work on the machine. If you must work on a lifted machine or attachment, securely support the machine or attachment.

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.



DX,LOWER -19-04JUN90

-UN-23AUG88
TS229

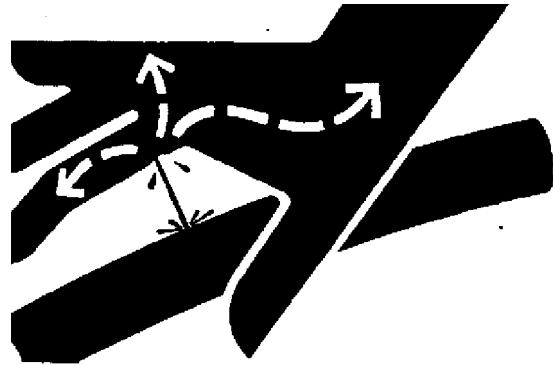
AVOID HIGH-PRESSURE FLUIDS

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

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

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

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



DX,FLUID -19-03MAR93

-UN-23AUG88
X9811



DISPOSE OF WASTE PROPERLY

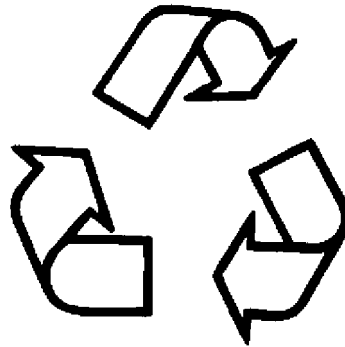
Improperly disposing of waste can threaten the environment and ecology. Potentially harmful waste used with John Deere equipment include such items as oil, fuel, coolant, brake fluid, filters, and batteries.

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

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

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

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



DX,DRAIN -19-03MAR93

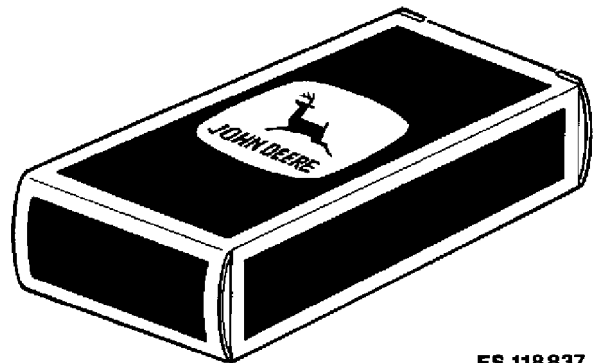
TS1133 -UN-26NOV90

USE GENUINE JOHN DEERE PARTS

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

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

Avoid this risk by using only genuine John Deere parts.



ES 118837

FX,PARTS -19-01MAY91

ES118837 -UN-07JUN95

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.

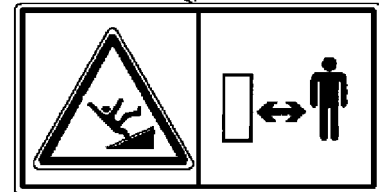
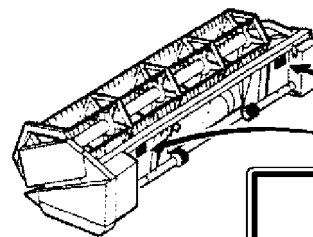


FX,WBZ -19-19NOV91

TS231 -19-07OCT88

CUTTING PLATFORM

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



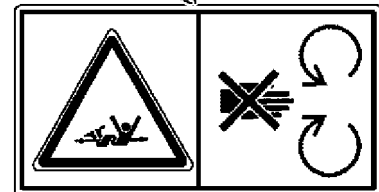
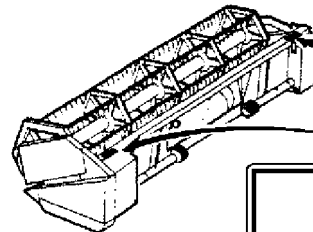
ZX009632

ZX,8140M1 -19-01NOV96

ZX009632 -UN-30OCT96

CUTTING PLATFORM DRIVE SHAFT

DANGER — stay clear of universal drive shaft.



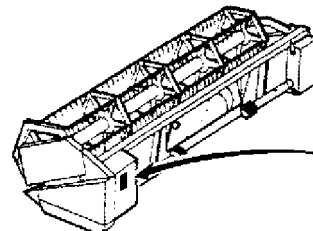
ZX009633

ZX,8140M2 -19-01NOV96

ZX009633 -UN-30OCT96

CUTTING PLATFORM DRIVE SHAFT SHIELD

Do not open the shield or remove it when the engine is running.



ZX009634

ZX,8140M3 -19-01NOV96

ZX009634 -UN-31OCT96

Attaching and Detaching

PREPARATIONS FOR ATTACHING CUTTING PLATFORM

Align feeder house parallel to cutting platform (with cutting platform on the ground), or platform parallel to feeder house (with cutting platform on trailer).

At both sides, push locking bolts (A) inward.



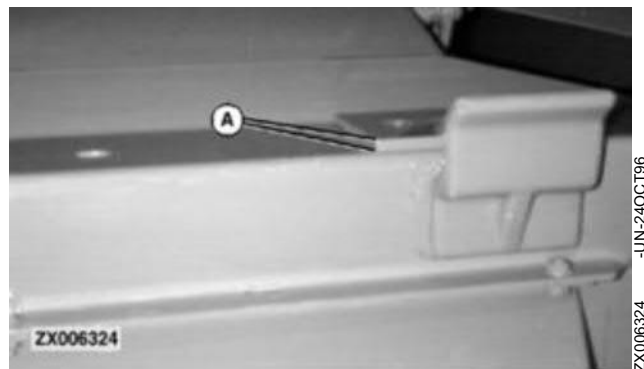
ZX,OMCUP001593-19-05DEC92

FEEDER HOUSE SHIMS

On combines without Hillmaster leveling system, feeder house shims (A) are installed as follows at the factory:

- for 814,816,818 cutting platforms two shims on left-hand side
- for 820 cutting platform one shim on each side

The shims will align cutting platform and combine. It is also possible to position one shim on each side for installation of 814,816,818 cutting platforms, if necessary.



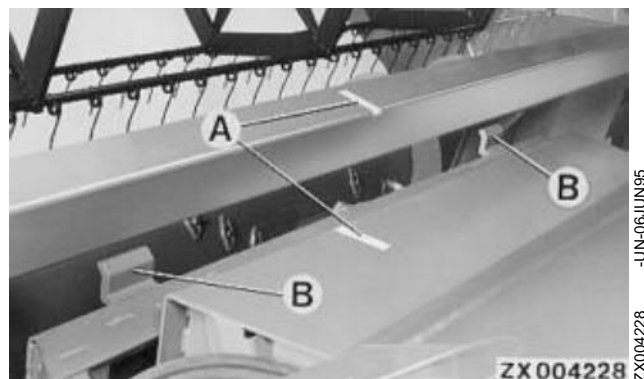
ZX,OMCUP003405-19-16JUN94

ATTACHING CUTTING PLATFORM

Align marks (A) on cutting platform and feeder house.

Drive combine forward, making sure that feeder house clears the wheel of the trailer.

Lower feeder house to correct position.



ZX,OMCUP001594-19-05DEC92

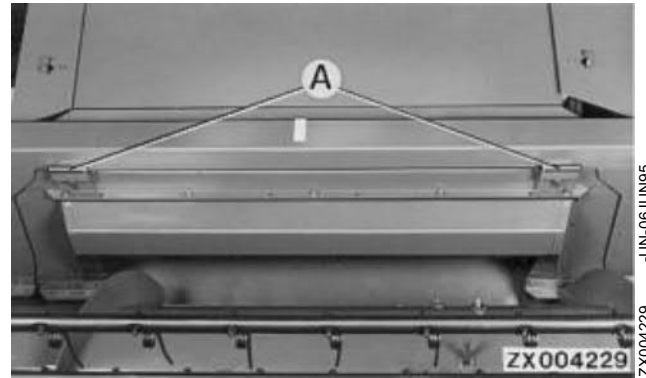
Attaching and Detaching

Drive combine slowly forward toward cutting platform frame.

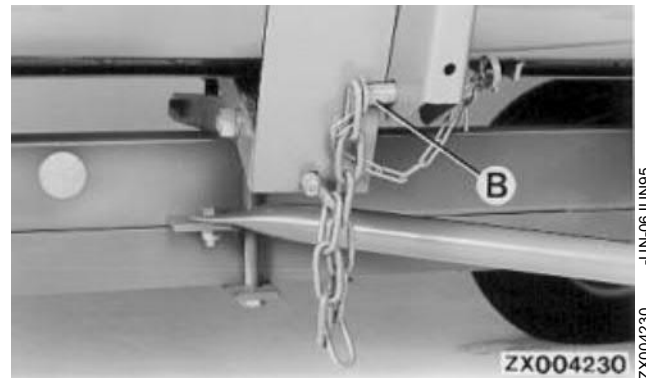
NOTE: If the cutting platform is on a trailer, pull out locking bolts (B) at both sides.

As soon as lugs (A) are in front of the platform frame, raise feeder house.

Insert safety rail above the lift cylinders.



-UN-06JUN95
ZX004229



-UN-06JUN95
ZX004230

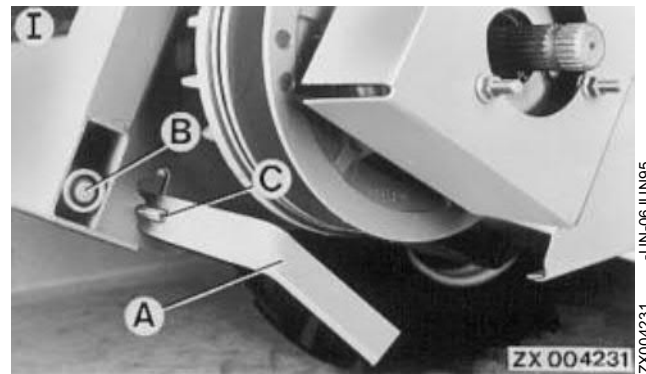
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LOCKING THE CUTTING PLATFORM

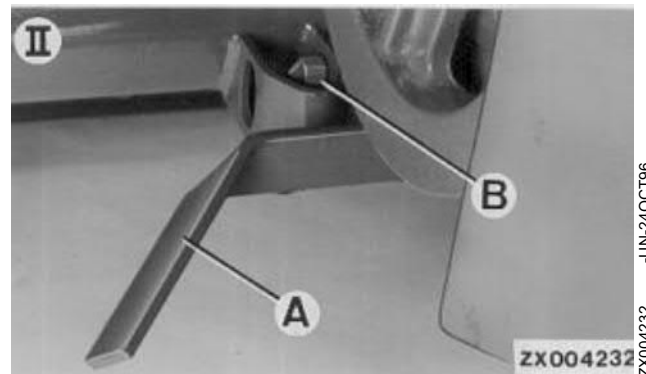
Feeder house WITHOUT levelling system

Release lever (A) from catch (C) and push it inward. The cutting platform is locked at both sides by means of bolts (B).

- I—Bolt unlocked
- II—Bolt locked
- A—Lever
- B—Bolt
- C—Catch



-UN-06JUN95
ZX004231



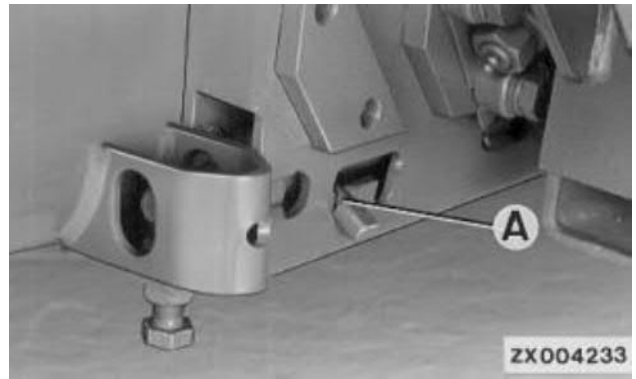
-UN-24OC196
ZX004232

ZX.OMCUPL001596-19-05DEC92

Feeder house WITH levelling system

Push locking bolts (A) outward at both sides, and lock them.

NOTE: Bottom of feeder house pivoting shield must have contact/support along the entire width. The guide rolls have a supporting function only and prevent the pivoting shield from being lifted off when reversing.

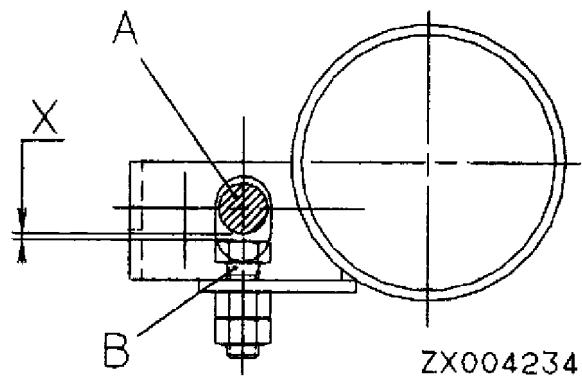


ZX.OMCUPL001597-19-01NOV96

-UN-24OCT96
ZX004233

ADJUSTING THE LOCKING BOLTS

Use adjusting screw (B) to adjust the locking bolts (A) to $X = 3\text{--}4\text{ mm}$ (0.12—0.16 in.).



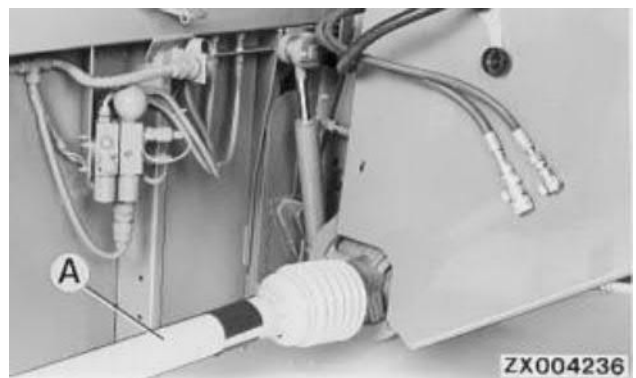
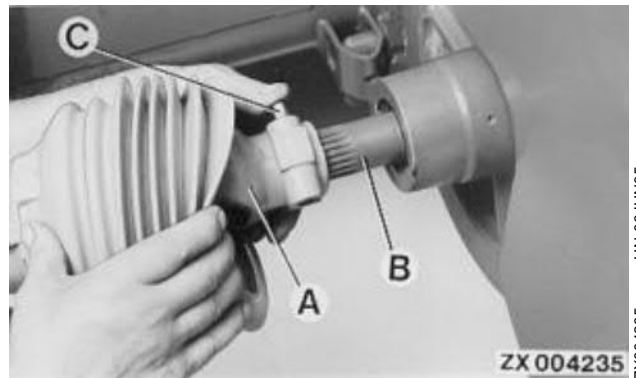
ZX.OMCUPL002530-19-05DEC92

-UN-25OCT96
ZX004234

CUTTING PLATFORM DRIVE SHAFT

Slide universal jointed shaft (A) onto the splined drive shaft (B) at the feeder house. Press pin (C) and simultaneously slide universal jointed shaft (A) onto the drive shaft (B) until pin (C) engages.

- A—Universal jointed shaft
- B—Drive shaft
- C—Pin



ZX.OMCUPL001598-19-05DEC92

-UN-06JUN95
ZX004235

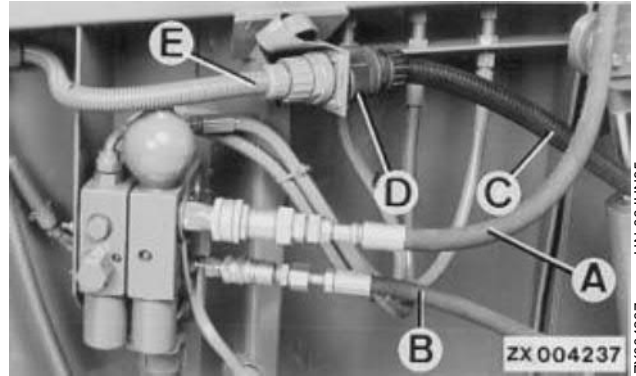
-UN-06JUN95
ZX004236

HYDRAULIC AND ELECTRICAL CONNECTIONS

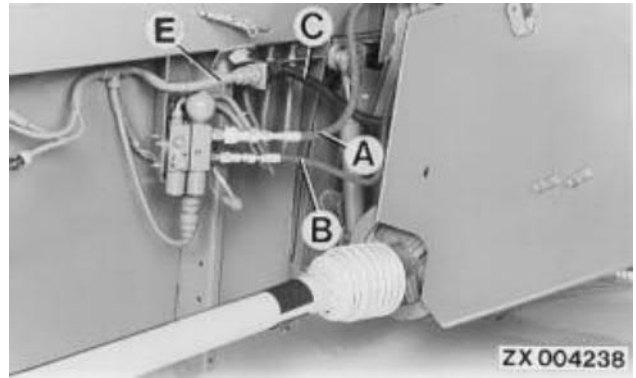
Use quick-couplers to connect hydraulic hoses (A) and (B) to the cutting platform.

Use plug connection (D) to connect wiring harness (C) to the cutting platform wiring harness (E).

- A—Hydraulic hose (return)
- B—Hydraulic hose (inlet)
- C—Wiring harness (combine)
- D—Plug connection
- E—Wiring harness (cutting platform)



ZX004237 -UN-06JUN95



ZX004238 -UN-06JUN95

ZX_OMCUPL001599-19-01NOV96

Transport

TRANSPORTING THE CUTTING PLATFORM

If local traffic regulations permit combines to drive on public roads with the cutting platform attached, the cutting platform may remain on the combine.

NOTE: Comply with maximum width limits.

In countries where maximum width limits do not permit such transport, the cutting platform must be carried separately on a suitable trailer.

For further road transport instructions, see the relevant combine Operator's Manual.

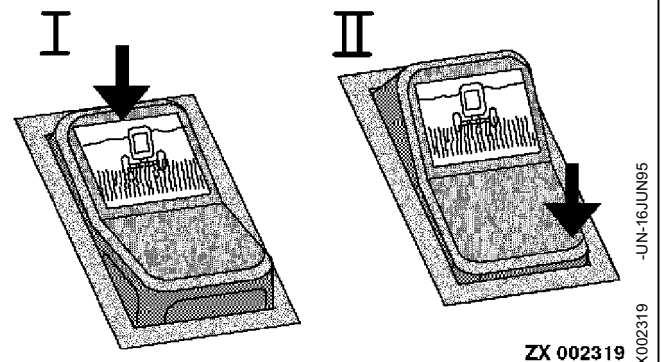


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ROAD SAFETY TUMBLER SWITCH

IMPORTANT: For road travel, road safety switch must be in road position (II). Before driving on public roads, also move header and unloading auger to transport position.

This ensures that all hydraulic functions — with the exception of the steering system — are not working. With road safety switch in road position, it is also not possible to engage separator and header drives.



I—Field position
II—Road position

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