

4435 Combine



OPERATORS MANUAL

4435
Combine

OMZ91908 A9 English

OMZ91908 A9

LITHO IN U.S.A.
ENGLISH



Introduction

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 safety alert symbol identifies all the important safety messages in this manual. When you see this symbol, be alert to the possibility of personal injury and carefully read the message that follows.

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

ALL MEASUREMENTS in this manual are given in SI metric units followed immediately by the U.S. customary units.

RIGHT-HAND AND LEFT-HAND SIDES are determined by facing in the direction the combine will travel when in use.

WRITE PRODUCT IDENTIFICATION NUMBERS in the Identification Numbers section. Accurately record all the numbers to help in tracing the machine should it be stolen. Your dealer also needs these numbers when you order parts. If this manual is kept on the machine, also file the identification numbers in a secure place off the machine.

WARRANTY is provided as part of John Deere's support program for customers who operate and maintain their equipment as described in this manual. The warranty is explained on the warranty certificate which you should have received from your dealer.

This warranty provides you the assurance that John Deere will back its products where defects appear within the warranty period. In some circumstances, John Deere also provides field improvements, often without charge to the customer, even if the product is out of warranty. Should the equipment be abused, or modified to change its performance beyond the original factory specifications, the warranty will become void and field improvements may be denied. Setting fuel delivery above specifications or otherwise overpowering machines will result in such action.

THE TIRE MANUFACTURER'S warranty supplied with your machine may not apply outside the U.S. and Canada.

All information, illustrations, and specifications contained in this operator's 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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A John Deere ILLUSTRATION™ Manual

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The full manual is available for immediate download.

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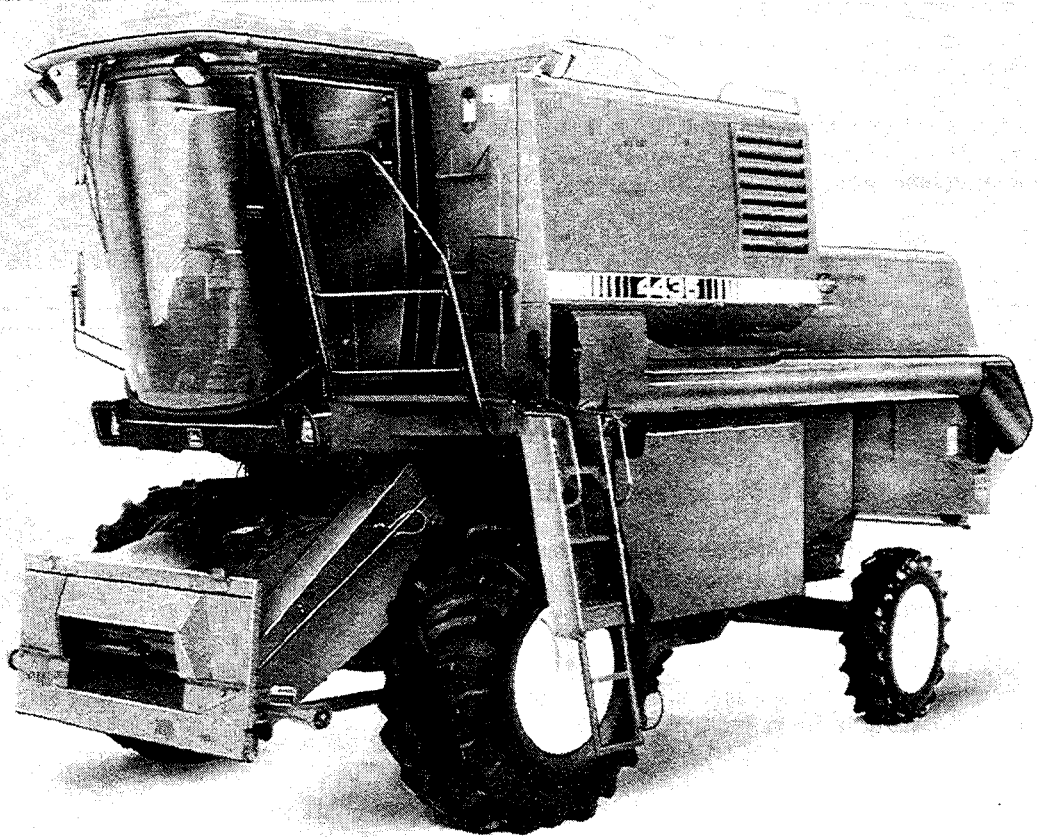
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Identification Views

4435 - LEFT-HAND VIEW



Z116637

Z116637-4435AZE-051289

Safety (General)

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 as well as the general safety and accident prevention regulations in order to avoid accidents.



T 81389

T81389-ESPD AE-260188

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.

Learn how to operate the machine and how to use the controls before starting work. During work is too late! Do not let anyone operate without instruction.

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



TS201

TS201-ESPD AE-260188

UNDERSTAND SIGNAL WORDS

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

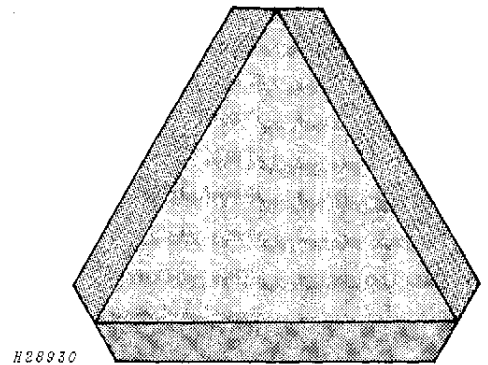
Safety signs with signal words DANGER or WARNING are typically located near specific hazards.

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

SIGNAL-ESPD AE-140388

OBSERVE ROAD TRAFFIC REGULATIONS

Always observe local road traffic regulations when using public roads.



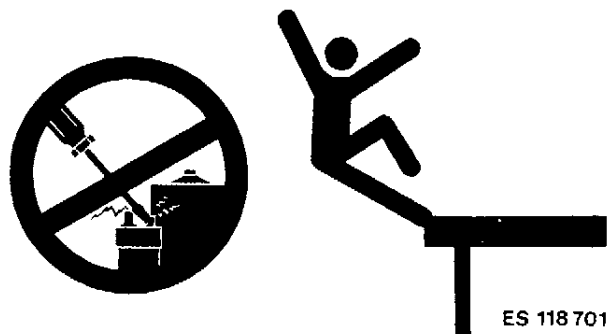
H28930-ESPDAE-16C288

PREVENT MACHINE RUNAWAY

Avoid possible injury or death from a machine runaway.

Do not start the engine by shorting across starter terminals. Machine will start in gear if normal circuitry is bypassed.

NEVER start engine while standing on service platform. Start engine only from operator's seat with transmission in neutral.



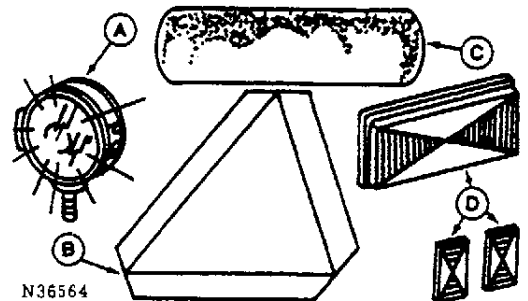
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USE SAFETY LIGHTS AND DEVICES

When transporting your machine on a public road either at night or during the day, use the necessary safety lights. Check local government regulations.

Keep safety items in good condition. Replace missing or damaged items.

A-Lights
B-Slow moving vehicle emblem
C-Reflector tape
D-Reflectors



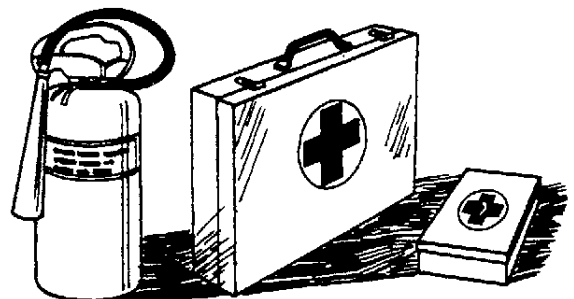
N36564-ESPDAE-260188

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.



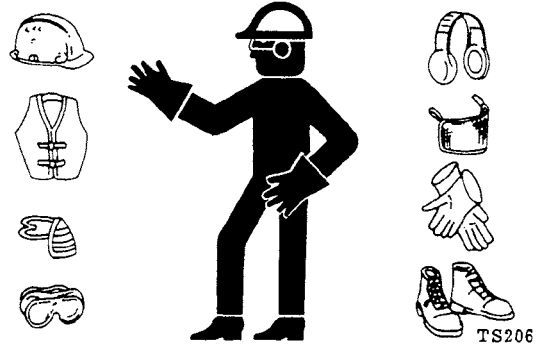
L114052-ESPDAE-170360

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 ear-muffs or earplugs to protect against objectionable or uncomfortable loud noises.



TS206-ESPD AE-230487

HANDLE FUEL SAFELY – AVOID FIRES

Handle fuel with care: It is highly flammable. Do not refuel the machine while smoking or when near an open flame or sparks.

Always stop engine and remove key from main switch before refueling machine. Fill fuel tank outdoors.

Prevent fires by keeping machine clean of accumulated trash, grease and debris. Always clean up spilled fuel.



TS202-ESPD AE-260188

STORE ATTACHMENTS SAFELY

Stored attachments such as crop dividers, headers, etc. can fall and cause serious injury or death.

Securely store attachments and implements to prevent from falling. Keep playing children and bystanders away from storage area.



TS219-ESPD AE-070488

Safety (Operation)

CHECK MACHINE SAFETY

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

SAFETY-ESPDAE-260188

DRIVING THE COMBINE

Operate combine only when all guards are fitted and in their correct position.

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.

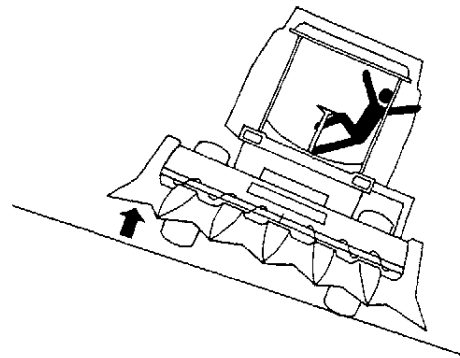
Always adapt your ground speed to meet the ground conditions. Avoid making sharp turns when driving up or down slopes or when driving across the slope. Be extra careful when turning on slopes with a full grain tank. When driving down slopes, never depress clutch and change gear!

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. Combine attachments and the ground conditions affect the driving characteristics of the combine.

Reduce ground speed when driving combine on slopes or over uneven ground and before making sharp turns. Before descending a steep hill, shift to a lower gear. Never coast downhill!

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



ES 118 702

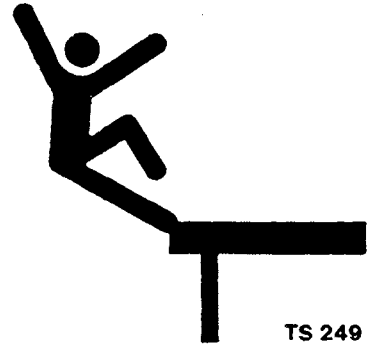
ES118702-ESPDAE-270568

KEEP RIDERS OFF MACHINE

Only allow the operator on the machine.
Keep riders off.

Riders are subject to injury such as being thrown off the machine. Riders also obstruct the operator's view resulting in the machine being operated in an unsafe manner.

On machines equipped with a passenger seat, one rider is permitted.



TS249-ESPD AE-090289

STAY CLEAR OF ROTATING DRIVELINES

Entanglement in rotating driveline can cause serious injury or death. When operating, no-one may be allowed to remain in the vicinity of the rotating drive shaft. Always ensure that drive shaft guards are in position.

Wear close-fitting clothing. Stop engine, remove key and be sure the drive shaft has stopped before making adjustments, connections or cleaning out machine.



TS198-ESPD AE-030588

STAY CLEAR OF AUGER

The auger located inside grain tank cannot be shielded completely against accidental contact. Use a rod to clear blockages and a scoop or similar vessel to take grain samples. Never use hands or feet. Never enter grain tank when engine is running.



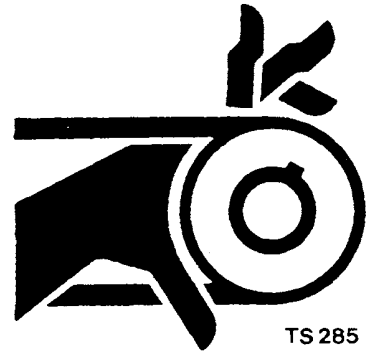
TS256-ESPD AE-270588

GUARDS AND SHIELDS

Keep guards and shields in place at all times. Ensure that they are serviceable and installed correctly.

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

Keep hands, feet and clothing away from moving parts.



TS 285
TS285-ESPD AE-090289

STAY CLEAR OF HEADER

Mower bar, cutting platform auger, reel, gatherer chain and stalk rolls of the corn head, etc., cannot be completely shielded by constructional measures due to their function. Stay clear of these moving elements during operation! Always disengage header drive, shut off the engine and remove key before servicing or unclogging header.



ES 118 704
ES118704-ESPD AE-270588

KEEP HANDS AWAY FROM KNIVES

Never attempt to clear obstructions in front of or on header unless separator is disengaged, engine shut off and key removed.

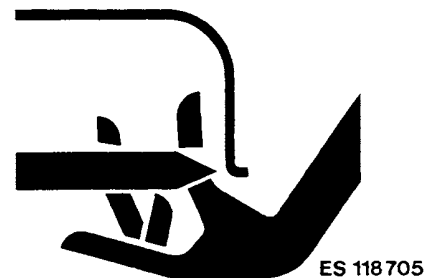
Everyone must be clear of the combine before starting the engine.



TS 254
TS254-ESPD AE-270588

STAY CLEAR OF STRAW CHOPPER

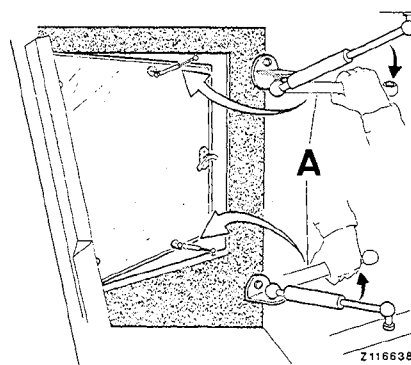
The straw chopper has safety guards which surround dangerous rotating blades. The blades may continue to rotate for a short time after drive has been switched off. Stay clear of the straw chopper during operation. Disengage drive, shut off engine, remove key and wait until drive parts have stopped moving prior to servicing the straw chopper.



ES 118 705
ES118705-ESPD AE-270588

EMERGENCY EXIT

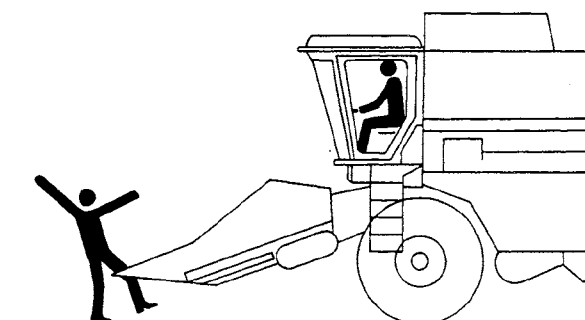
For an emergency exit, cab side window can be opened. Unlatch window, disconnect both the cylinders (A) and push window wide open.



Z116638-ESDAE-051288

TRANSPORT WITH HEADER INSTALLED

Before driving combine on public roads, header must be raised. It must not, however, obstruct operator's view of the road. Header height control must be in locked position. Remove crop dividers (if equipped) and install protective cover.



ES 118 706

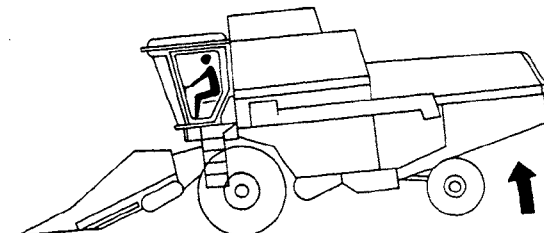
ES118706-ESDAE-270588

BALLASTING FOR SAFE GROUND CONTACT

Operating, steering and braking performance of combine can be considerably affected by heavy front end attachments which alter the center of gravity of the combine.

To maintain the necessary ground contact, ballast the combine at the rear end as necessary.

Observe the maximum permissible axle loads and total weights.

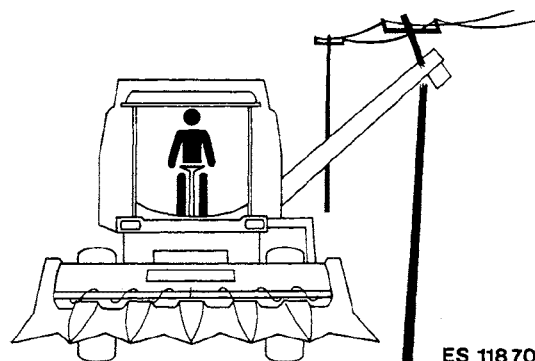


ES 118 707

ES118707-ESDAE-270588

SWING IN GRAIN TANK UNLOADING AUGER

Swing in the grain tank unloading auger to its transport position before driving on public roads. Otherwise collisions may occur with roadside installations, e.g. telegraph poles, street lights, etc.

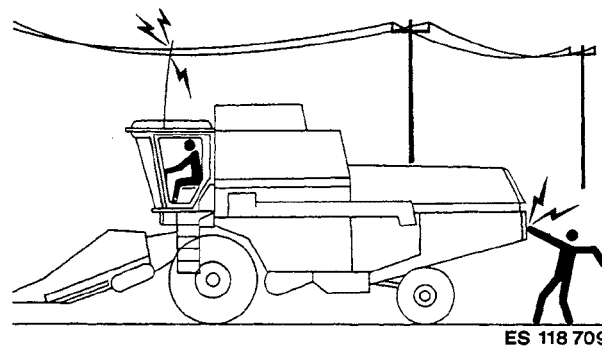


ES 118 708

ES118708-ESDAE-270588

RADIO AERIAL

If radio aerial is not secured in its transport position before driving on public roads, it may come into contact with low-hanging electrical cables. This would result in the operator suffering a severe electrical shock.



ES118709-ESPDAE-270588

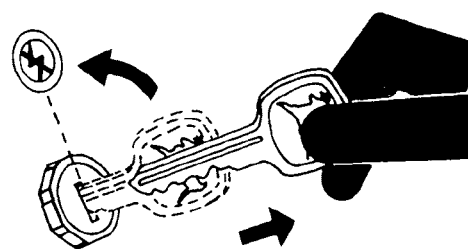
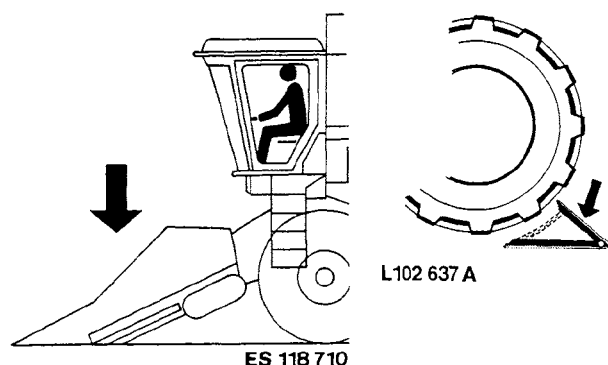
PARKING AND LEAVING THE COMBINE

Lower headers or other equipment to the ground before leaving the combine.

When leaving the combine, disengage separator/header drive, shut off engine, move gear shift lever to neutral and apply parking brake, remove main switch key and lock the operator's cab (when equipped). Position chock blocks.

Never leave combine unattended as long as engine is still running.

Never leave the operator's platform/cab when driving.



TS 230

ES118710, L102637A, TS230-ESPDAE-270588

OPERATING THE ENGINE

Never operate the engine in a closed building.
Danger of asphyxiation!

When starting engine, ensure that all hydraulic controls and transmission are in neutral and separator/header drive is disengaged.



ES118711-ESPDAE-270588

Safety (Service)

PRACTICE SAFE MAINTENANCE

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

Never lubricate or service machine while it is moving. Keep hands, feet and clothing from power-driven parts. Disengage all power and operate the 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(s) (–) before making adjustments on electrical system or welding on machine.



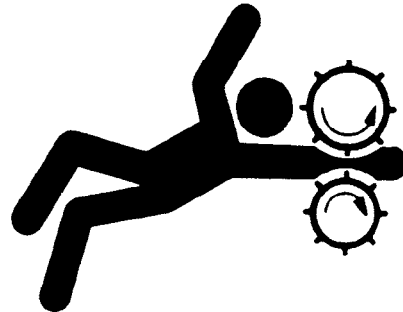
TS 218

TS218-ESPD AE-160288

SERVICE MACHINE 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.



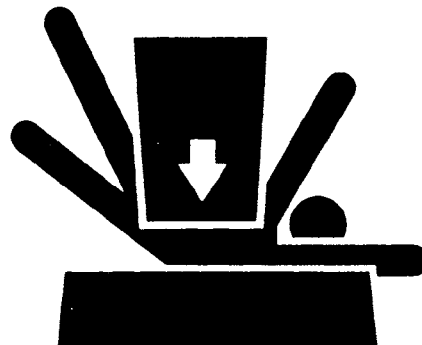
TS 228

TS228-ESPD AE-160288

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.

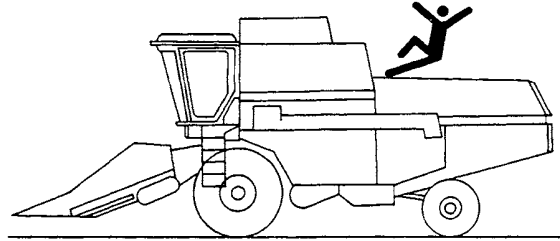


TS 229

TS229-ESPD AE-160288

SERVICING THE ENGINE

Use the service platform when servicing the engine. Climbing onto other parts of the combine may result in accidents such as falling off the machine.

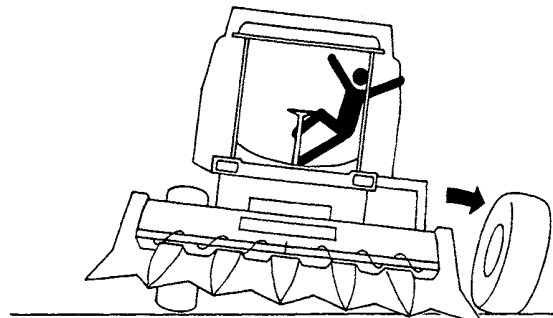


ES 118712

ES118712-ESDAE-270588

RETORQUE WHEEL NUTS

Retorque machine wheel nuts and bolts as specified in section "Break-In Period" and "Service". Failure to do this could result in a wheel falling off during operation, causing the combine to tip over with serious injury to the operator and extensive damage to the machine.



ES 118713

ES118713-ESDAE-270588

AVOID HIGH-PRESSURE FLUIDS

Escaping fluid (fuel or hydraulic oil) under pressure can penetrate the skin causing serious injury. Relieve pressure before disconnecting hydraulic or other lines. Tighten all connections before applying pressure. Keep hands and body away from pinholes and nozzles which eject fluids under high pressure. Use a piece of cardboard to search for leaks.

If ANY fluid is injected into the skin, it must be surgically removed within a few hours by a doctor familiar with this type of injury, or gangrene may result.



X9811-ESDAE-260188



Suggest:

If the above button click is invalid.

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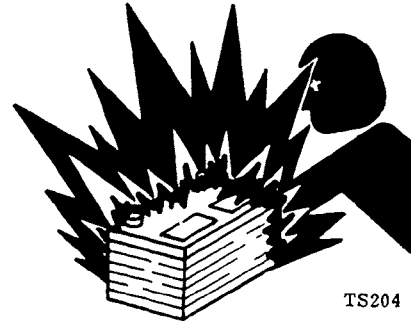
Thank you so much for reading

AVOID BATTERY EXPLOSIONS

Battery gas can explode. Keep sparks and flames away from batteries. Use a flashlight to check battery electrolyte level.

Never check battery charge by placing a metal object across the posts. Use a voltmeter or hydrometer.

Always remove grounded (–) battery clamp first and replace it last.



TS204

TS204-ESPD AE-270588

HANDLE BATTERIES SAFELY

Sulfuric acid in battery electrolyte is poisonous. It is strong enough to burn skin, eat holes in clothing and cause blindness if splashed into eyes.

Avoid the hazard by:

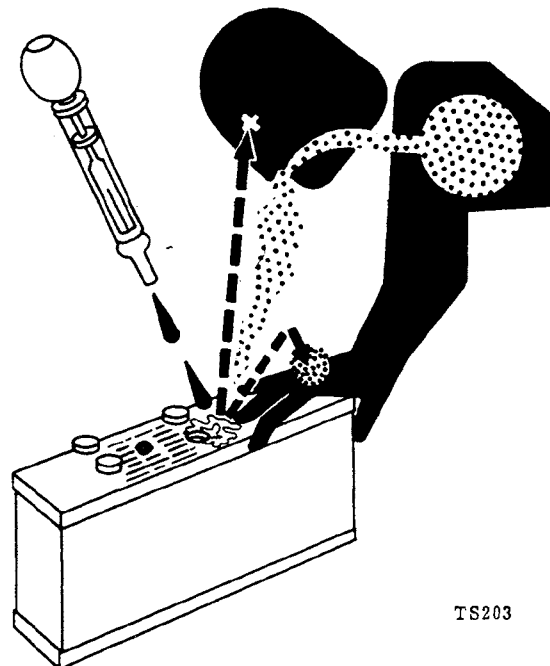
1. Filling the batteries in a well-ventilated area.
2. Wearing eye protection and rubber gloves.
3. Avoiding breathing in the fumes when electrolyte is added.
4. Avoiding spilling or dripping electrolyte.
5. Using the proper jump start procedure.

If you spill acid on yourself:

1. Flush your skin with water.
 2. Apply baking soda or lime to help neutralize the acid.
 3. Flush your eyes with water for 10 – 15 minutes.
- Get medical attention immediately.

If acid is swallowed:

1. Drink large amounts of water or milk.
2. Then drink milk of magnesia, beaten eggs or vegetable oil.
3. Get medical attention immediately.



TS203

TS203-ESPD AE-160288

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