

**9410, 9510  
and 9610  
Combines**

**John Deere Harvester Works  
OMH167086 Issue I8  
(This manual replaces H167055 D8)**

LITHO IN U.S.A.  
ENGLISH

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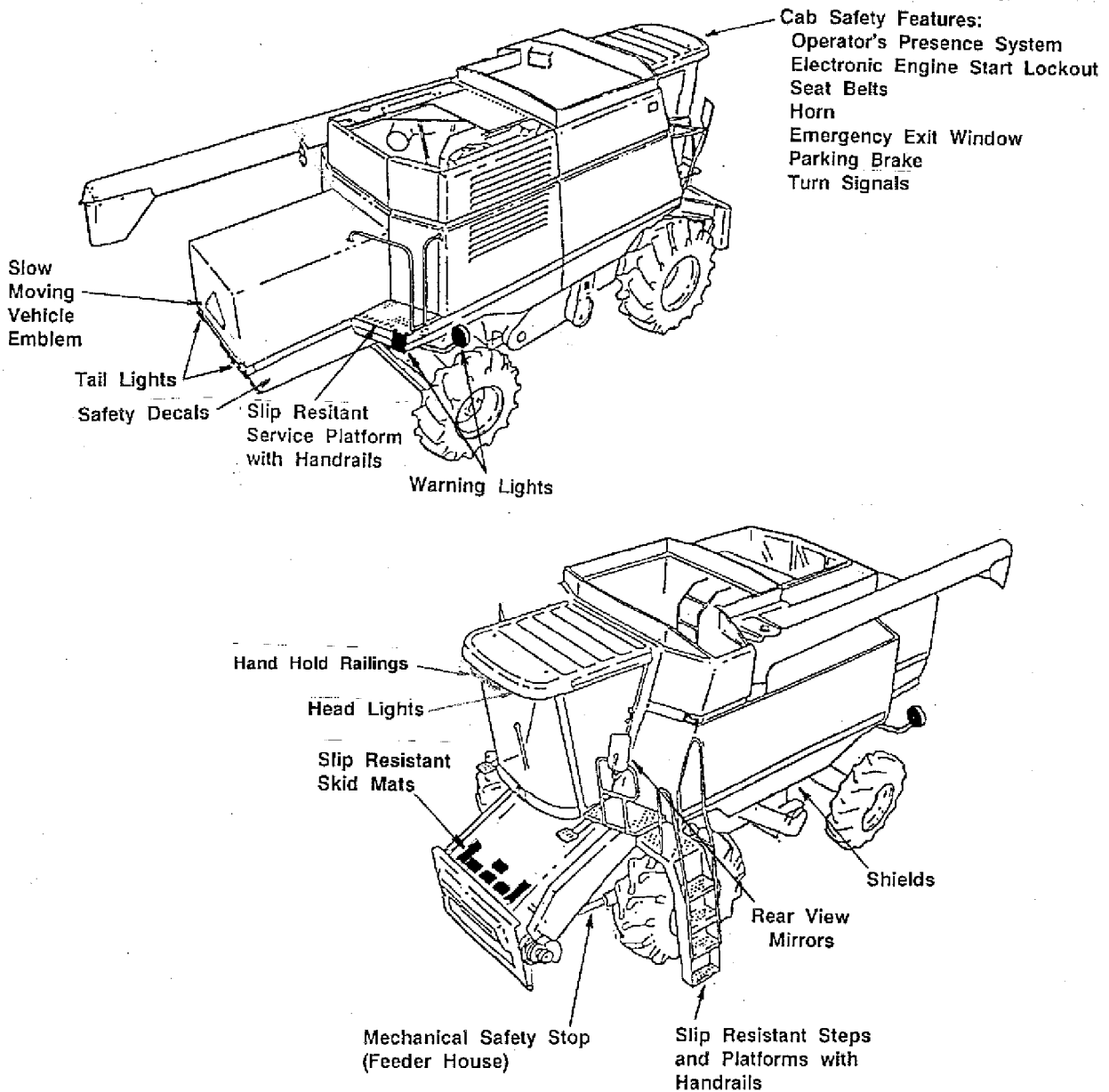
*All information, illustrations and specifications in this manual are based on the latest information available at the time of publication. The right is reserved to make changes at any time without notice.*

OMH167086 18-19-01SEP98

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# Safety Features

## COMBINE SAFETY FEATURES



In addition to the safety features shown here, other components and systems, safety signs on the machine, and safety messages and instructions in the operator's manual contribute to the safe operation of this combine when combined with the care and concern of a capable operator.

H48256

-UN-08AUG97

H48256

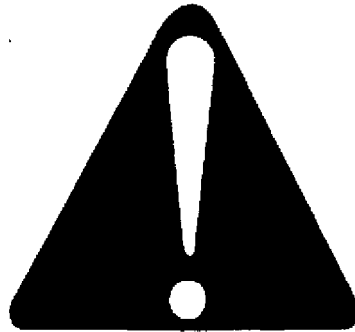
HX.9000SP,A -19-21MAR98

# 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

## 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

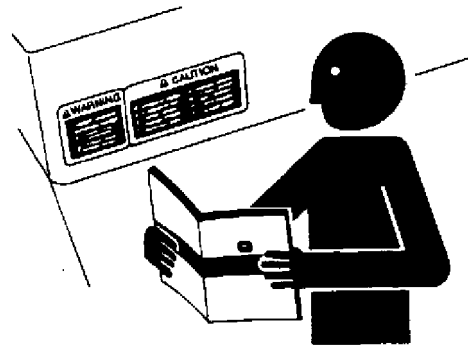
## FOLLOW SAFETY INSTRUCTIONS

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

TS201 -UN-23AUG88



## DRIVING THE COMBINE

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

Before driving away, check immediate vicinity of machine for bystanders. Use the horn as a warning immediately before driving away.

Attach headers to combine with extreme care.

H01.9000SA,A -19-11SEP92

## 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.

The extra seat should only be used for training purposes or short periods of observation.



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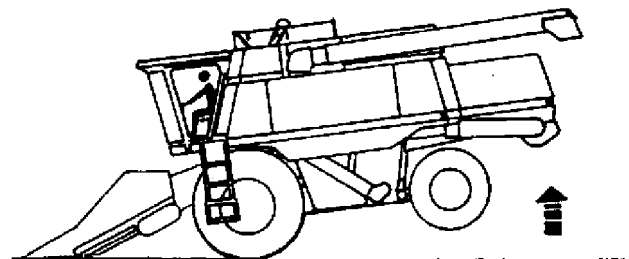
TS253  
-UN-23AUG88

## 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.



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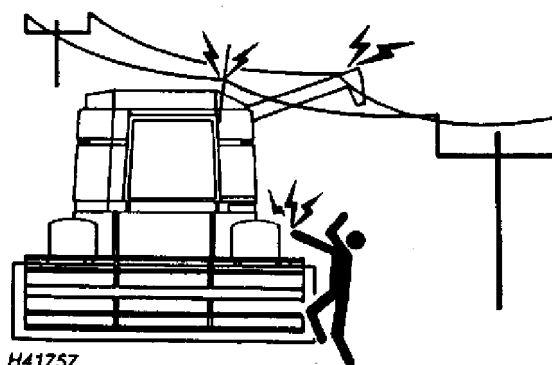
H46192  
-UN-15APR94



## AVOID ELECTRICAL POWER LINES

Put the grain tank unloading auger in transport position before driving on public roads.

Secure radio aerial 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.



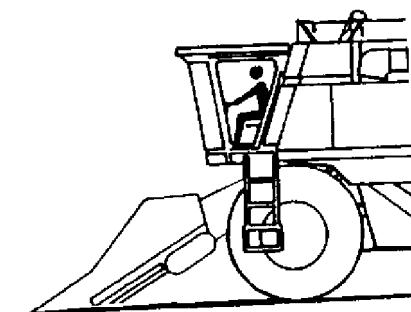
H41757

H01,9000SA,H -19-09OCT91

H41757 -UN-10MAR90

## PARK THE COMBINE SAFELY

Lower headers or other equipment to the ground before leaving the combine. Set park brake, turn off engine and remove keys.



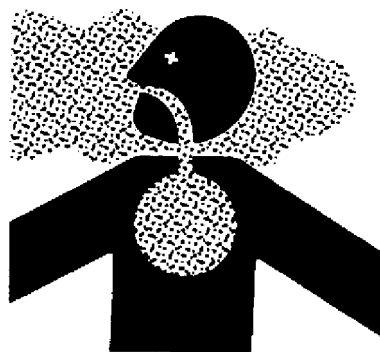
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## OPERATE THE ENGINE OUTDOORS

Never operate the engine in a closed building.



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TS220 -UN-23AUG88

## HANDLE FUEL SAFELY—AVOID FIRES

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

Always stop engine before refueling machine. Fill fuel tank outdoors.

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



DX,FIRE1 -19-03MAR93

TS202 -UN-23AUG88

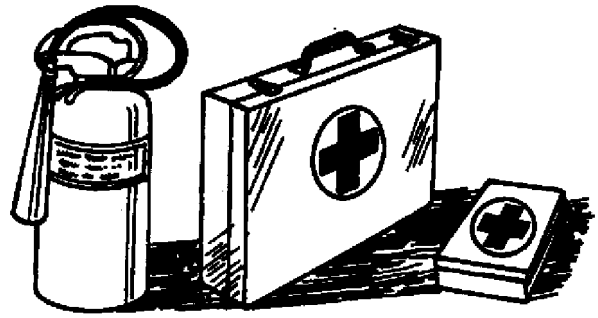


## PREPARE FOR EMERGENCIES

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-23AUG68

## HANDLE STARTING FLUID SAFELY

Starting fluid is highly flammable.

Keep all sparks and flame away when using it. Keep starting fluid away from batteries and cables.

To prevent accidental discharge when storing the pressurized can, keep the cap on the container, and store in a cool, protected location.

Do not incinerate or puncture a starting fluid container.



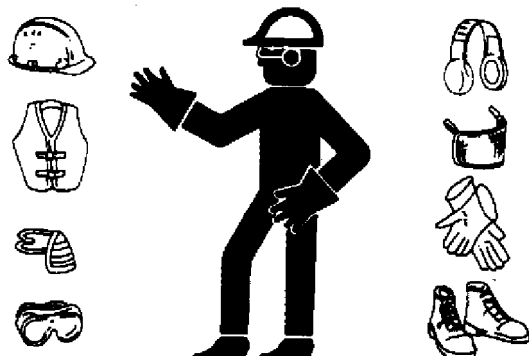
DX.FIRE3 -19-16APR92

TS1356 -UN-18MAR92

## WEAR PROTECTIVE CLOTHING

Wear close fitting clothing and safety equipment appropriate to the job.

Operating equipment safely requires the full attention of the operator. Do not wear radio or music headphones while operating machine.



DX.WEAR2 -19-03MAR93

TS206 -UN-23AUG68



## HANDLE CHEMICAL PRODUCTS SAFELY

Direct exposure to hazardous chemicals can cause serious injury. Potentially hazardous chemicals used with John Deere equipment include such items as lubricants, coolants, paints, and adhesives.

A Material Safety Data Sheet (MSDS) provides specific details on chemical products: physical and health hazards, safety procedures, and emergency response techniques.

Check the MSDS before you start any job using a hazardous chemical. That way you will know exactly what the risks are and how to do the job safely. Then follow procedures and recommended equipment.

(See your John Deere dealer for MSDS's on chemical products used with John Deere equipment.)



DX.MSDS.NA -19-03MAR93

TS1132 -UN-26NOV90

## STAY CLEAR OF HEADER

Many moving parts such as the cutting platform auger, reel, gatherer chain and stalk rolls of the corn head, cannot be completely shielded 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.



H42442

H01,9000SA,C -19-11SEP92

H42442 -UN-10JAN91

## 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



H01,9000SA,D -19-20MAR90

T5254 -UN-23AUG88

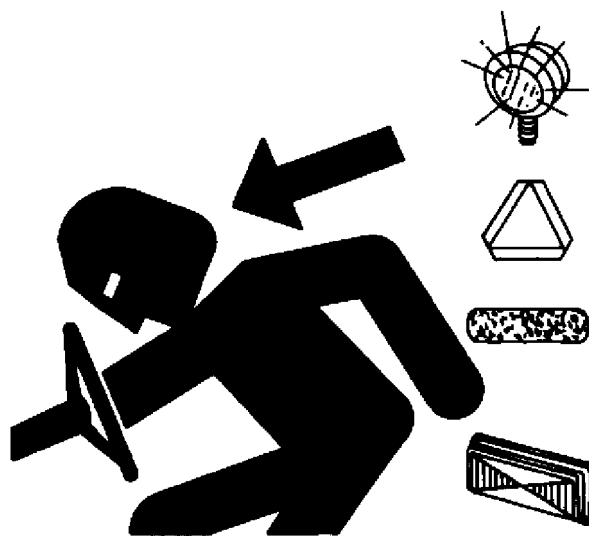




## USE SAFETY LIGHTS AND DEVICES

Prevent collisions between other road users, slow moving tractors with attachments or towed equipment, and self-propelled machines on public roads. Frequently check for traffic from the rear, especially in turns, and use hand signals or turn signal lights.

Use headlights, flashing warning lights, and turn signals day and night. Follow local regulations for equipment lighting and marking. Keep lighting and marking visible and in good working order. Replace or repair lighting and marking that has been damaged or lost. An implement safety lighting kit is available from your John Deere dealer.

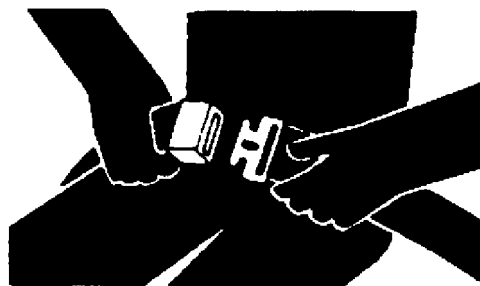


DX,FLASH -19-12SEP95

TS951 -UN-12APR90

## USE SEAT BELTS

Use the seat belt whenever you operate the combine or ride as an observer.



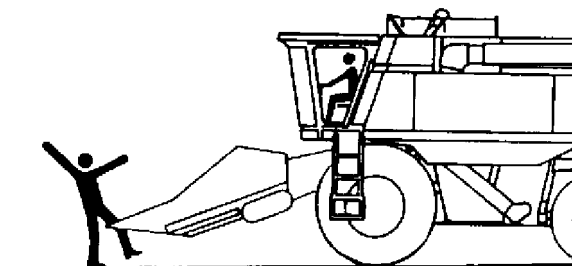
H47137

HX.9000SA,K -19-25OCT95

-UN-25OCT95  
H47137

## TRANSPORT COMBINE WITH HEADER SAFELY

Before driving combine on public roads, raise the header. It must not, however, obstruct operator's view of the road.



H46194

HX.9000SA,F -19-12SEP94

-UN-15APR94  
H46194



## 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, and set the parking brake. 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.



HX,9010SA,A -19-23AUG97

-UN-23AUG88

TS218

## REMOVE PAINT BEFORE WELDING OR HEATING

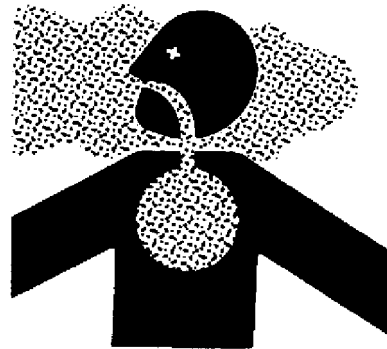
Avoid potentially toxic fumes and dust.

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

Do all work outside or in a well ventilated area. Dispose of paint and solvent properly.

Remove paint before welding or heating:

- 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.



DX,PAINT -19-03MAR93

-UN-23AUG88

TS220



## 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 be accidentally cut when heat goes beyond the immediate flame area.



DX,TORCH -19-03MAR93

TS953  
-UN-15MAY90

## AVOID CONTACT WITH MOVING PARTS

Keep hands, feet and clothing away from power driven parts. Never clean, lubricate or adjust machine when it is running.



H01,9000SA,E -19-15JUN90

TS256  
-UN-23AUG88

## CLEANING THE GRAIN TANK AND REMOVAL OF BLOCKAGES

Avoid serious injury or death from entanglement in the grain tank cross augers. For functional purposes the cross augers cannot be completely covered. Do not enter the grain tank when the engine is running. Before entering the tank to clean out residual grain, always shutoff the engine and remove the key

If grain bridges and fails to flow into the cross augers, shut off the engine, remove the key and from a position on the engine compartment door use a rod, broom or shovel to break the bridge and restore grain flow.



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TS256  
-UN-23AUG88



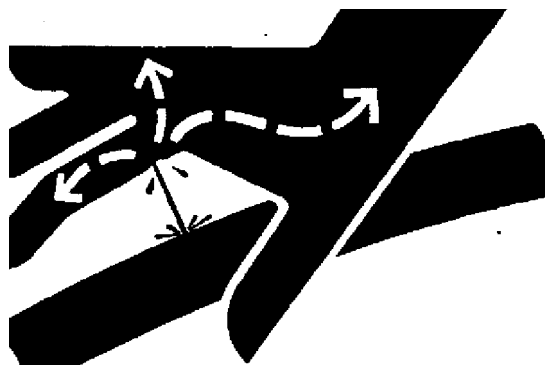
## AVOID HIGH-PRESSURE FLUIDS

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.



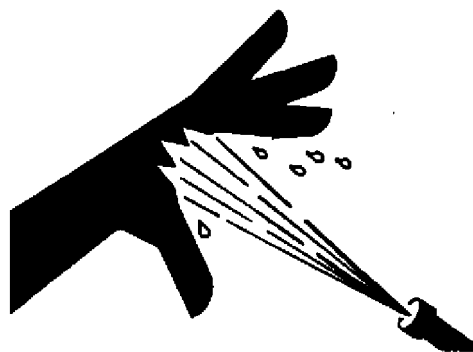
X9811 -UN-23AUG88

DX,FLUID -19-03MAR93

## PROTECT AGAINST HIGH PRESSURE SPRAY

Spray from high pressure nozzles can penetrate the skin and cause serious injury. Keep spray from contacting hands or body.

If an accident occurs, see a doctor immediately. Any high pressure spray 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.



TS1343 -UN-18MAR92

DX,SPRAY -19-16APR92



## DISPOSE OF WASTE PROPERLY

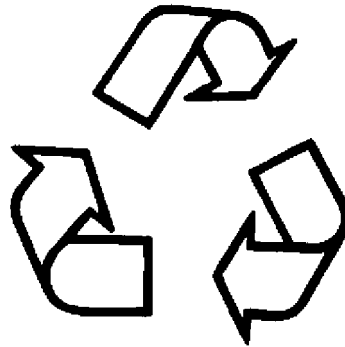
Improperly disposing of waste can threaten the environment and ecology. Potentially harmful waste used with John Deere equipment include such items as oil, fuel, coolant, brake fluid, filters, and batteries.

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.



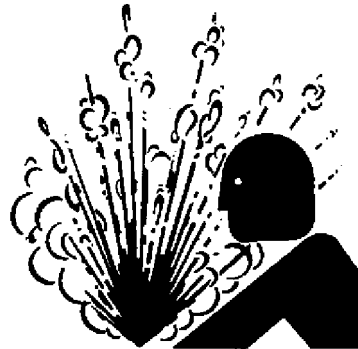
DX,DRAIN -19-03MAR93

TS1133 -UN-26NOV90

## SERVICE COOLING SYSTEM SAFELY

Explosive release of fluids from pressurized cooling system can cause serious burns.

Shut off engine. Only remove filler cap when cool enough to touch with bare hands. Slowly loosen cap to first stop to relieve pressure before removing completely.



DX,RCAP -19-04JUN90

TS281 -UN-23AUG88

## REMOVE ACCUMULATED CROP DEBRIS

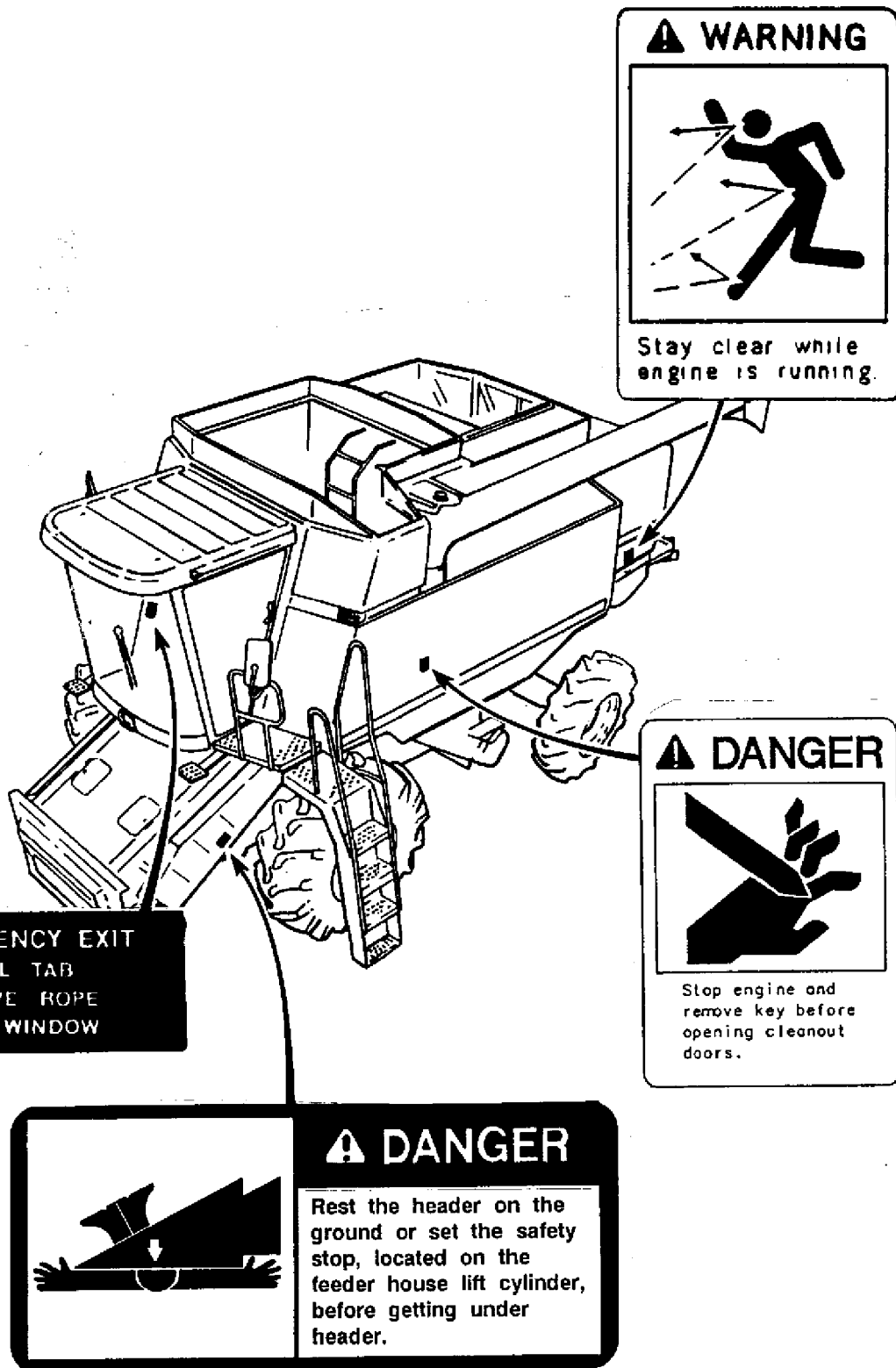
The build up of chaff and crop debris in the engine compartment, on the engine, and near moving parts is a fire hazard. Check and clean these areas frequently. Before performing any inspection or service, shut off the engine, set the parking brake and remove the key.



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TS227 -UN-23AUG88

# Safety Decal Location



H49873

-UN-01APR98

H49873

HX.9000SS,A -19-15APR98

Safety Decal Location

**CAUTION**

Avoid bodily injury from rotating auger and components:

Shut engine off and remove key before opening or closing auger.

Keep hands from pinch points when closing auger.

**DANGER**



**DO NOT enter grain tank when engine is running.**

**DANGER**



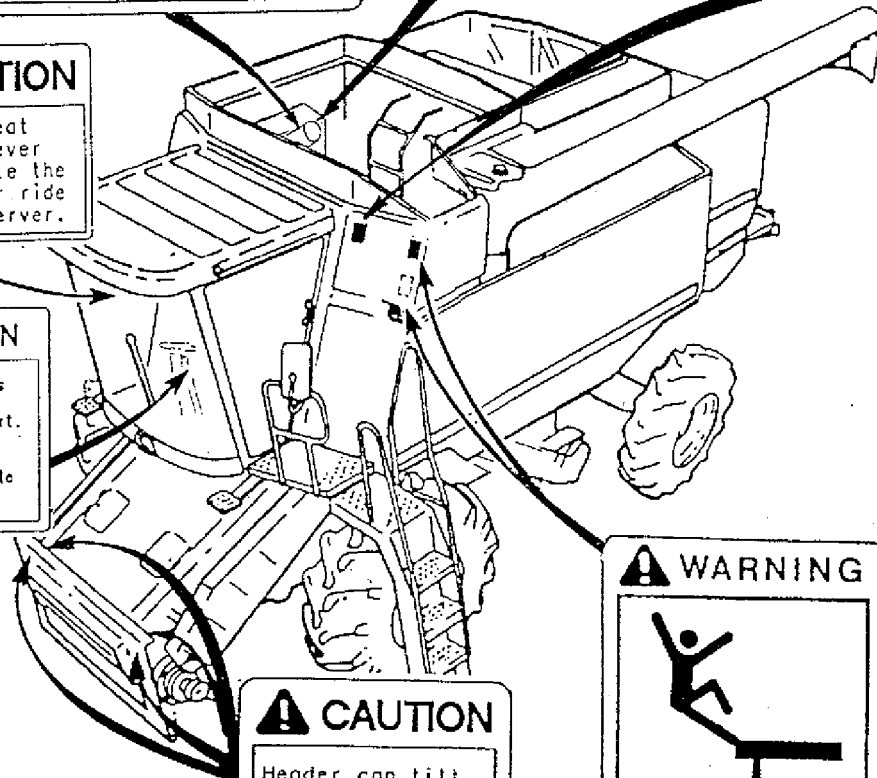
**To avoid injury or death, DO NOT contact electric lines.**

**CAUTION**

Use the seat belt whenever you operate the combine or ride as an observer.

**CAUTION**

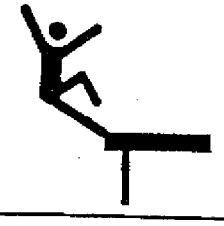
1. Couple brakes together for road transport.
2. Engage park brake prior to leaving cab.



**CAUTION**

Header can tilt. Avoid crushing injuries. Stay clear when engine is running.

**WARNING**



**Do not enter grain tank in this area.**

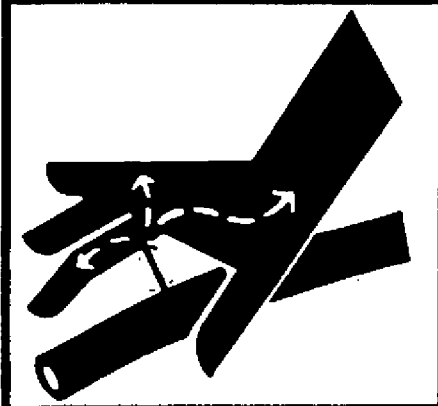
(COMBINES WITH CONTOUR MASTER ONLY)

H48278

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H48278

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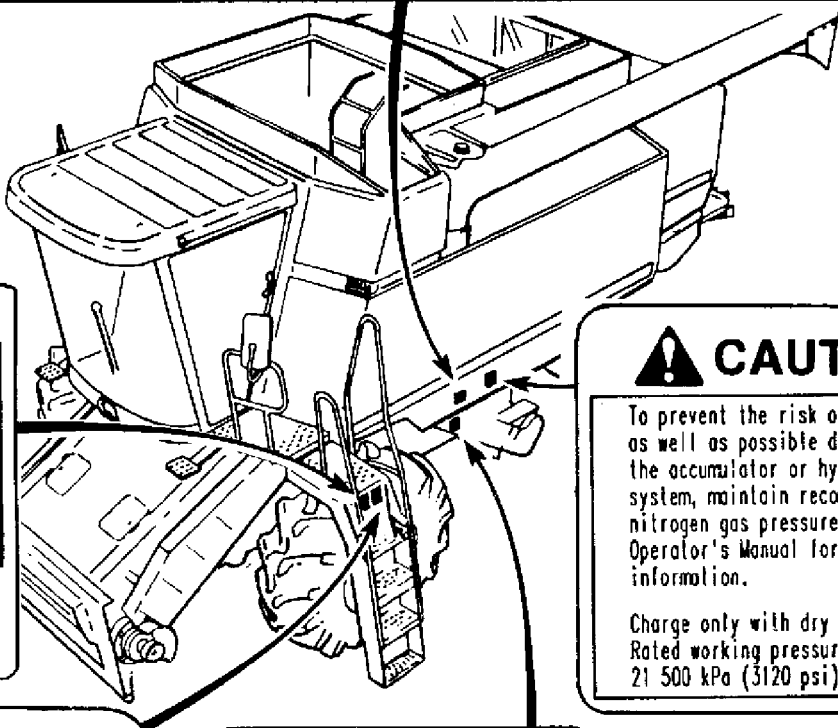
**⚠ WARNING**

Avoid bodily injuries from hydraulic oil and gas under pressure.

Before removing, disassembling or changing accumulator:

1. With feederhouse or header on the ground or in a supported position, open hand valve.
2. Start engine and hold header height control to lower position for 5 seconds to relieve system hydraulic pressure.
3. Stop engine.

Use only DRY NITROGEN for recharging accumulator. See your John Deere dealer



**⚠ WARNING**



Do not ride ladder while combine is moving.

**⚠ CAUTION**

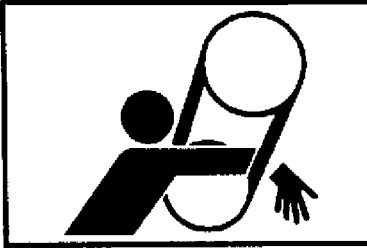
To prevent the risk of injury, as well as possible damage to the accumulator or hydraulic system, maintain recommended nitrogen gas pressure. See Operator's Manual for additional information.

Charge only with dry nitrogen. Rated working pressure is 21 500 kPa (3120 psi)

**⚠ CAUTION**

1. Keep all shields in place.
2. Disengage and shut off all engine and/or motor power before servicing or unclogging machine.
3. Keep hands, feet, and clothing away from power-driven parts.

**⚠ WARNING**



Never raise shield with the engine running. Stop engine and remove key.

H48053

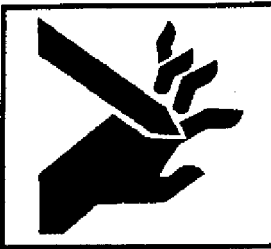
-19-12AUG96

H48053

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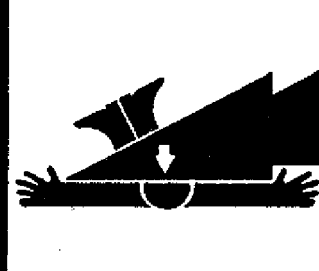


**⚠ WARNING**

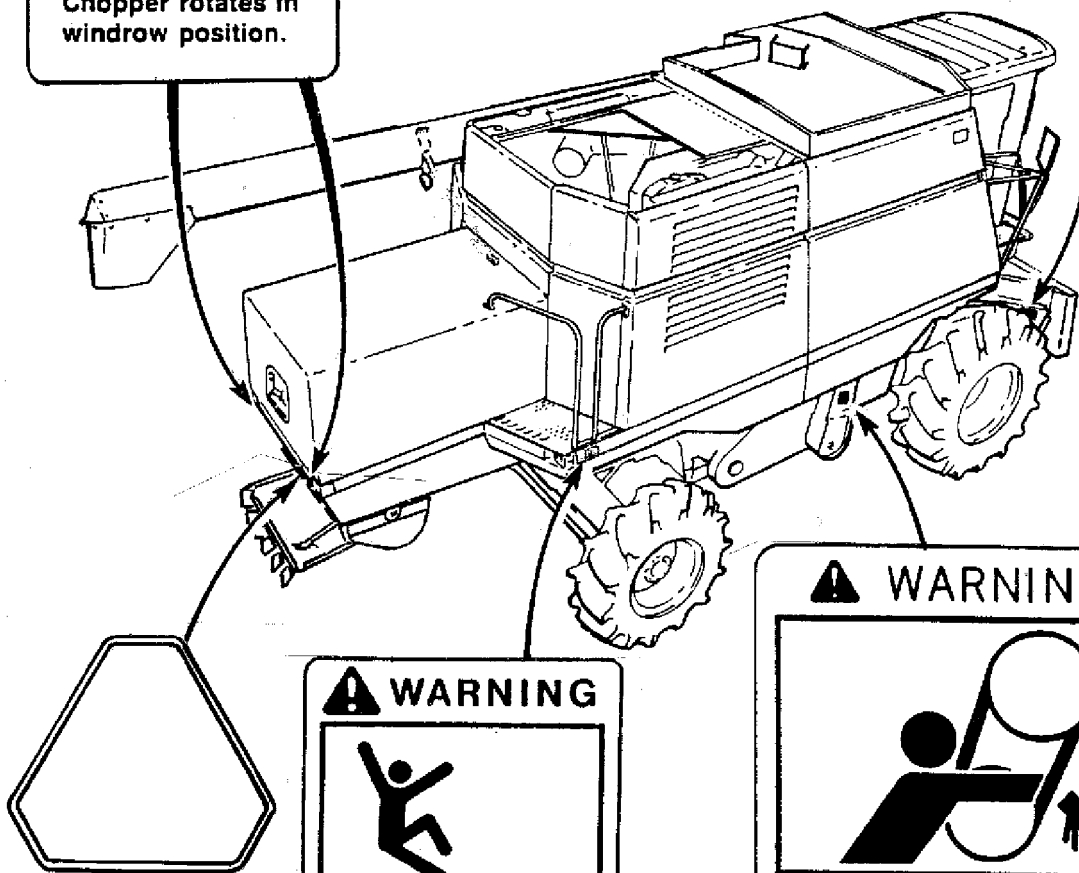


Chopper rotates in windrow position.

**⚠ DANGER**



Rest the header on the ground or set the safety stop, located on the feeder house lift cylinder, before getting under header.

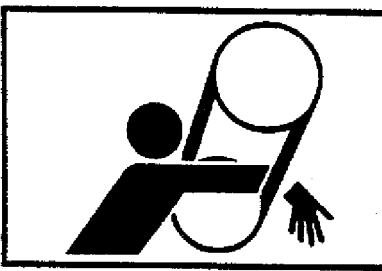


**⚠ WARNING**



Do not ride ladder while combine is moving.

**⚠ WARNING**



Never raise shield with the engine running. Stop engine and remove key.

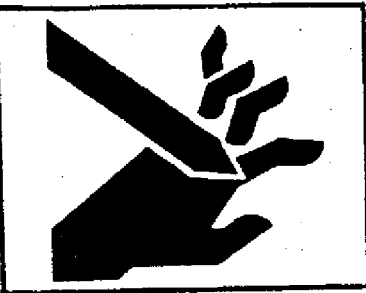
H48280

-19-15AUG97

H48280

HX.9000SS.D -19-23AUG97

**! WARNING**



Avoid bodily injury from rotating fan and screen components:  
Shut engine off and remove key before opening rotary screen door.

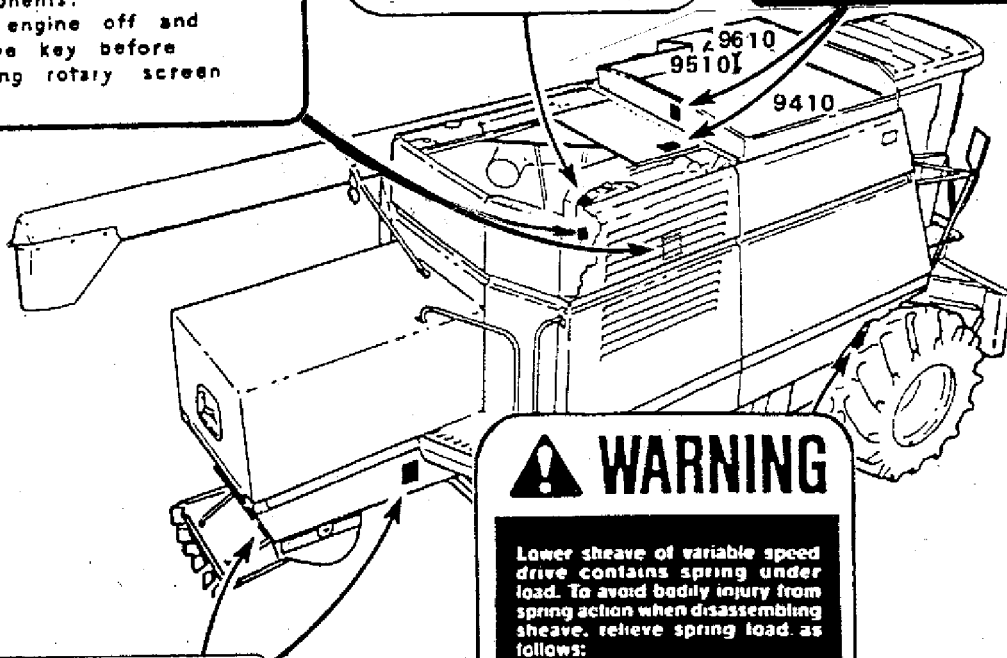
**! WARNING**

Pressure cooling system  
Remove cap slowly.

**! DANGER**



DO NOT enter grain tank when engine is running.



**! WARNING**



Stay clear while engine is running.

**! WARNING**

Lower sheave of variable speed drive contains spring under load. To avoid bodily injury from spring action when disassembling sheave, relieve spring load as follows:

1. Set variable speed drive at low speed position (lower sheaves closed).
2. Loosen bolt on outer end of shaft but **DO NOT REMOVE**.
3. Release outer sheave half from shaft taper (by tapping or with a puller) so that spring forces bearing against bolt head.
4. Remove bolt.

See detailed instructions in the Operator's Manual.

H48279

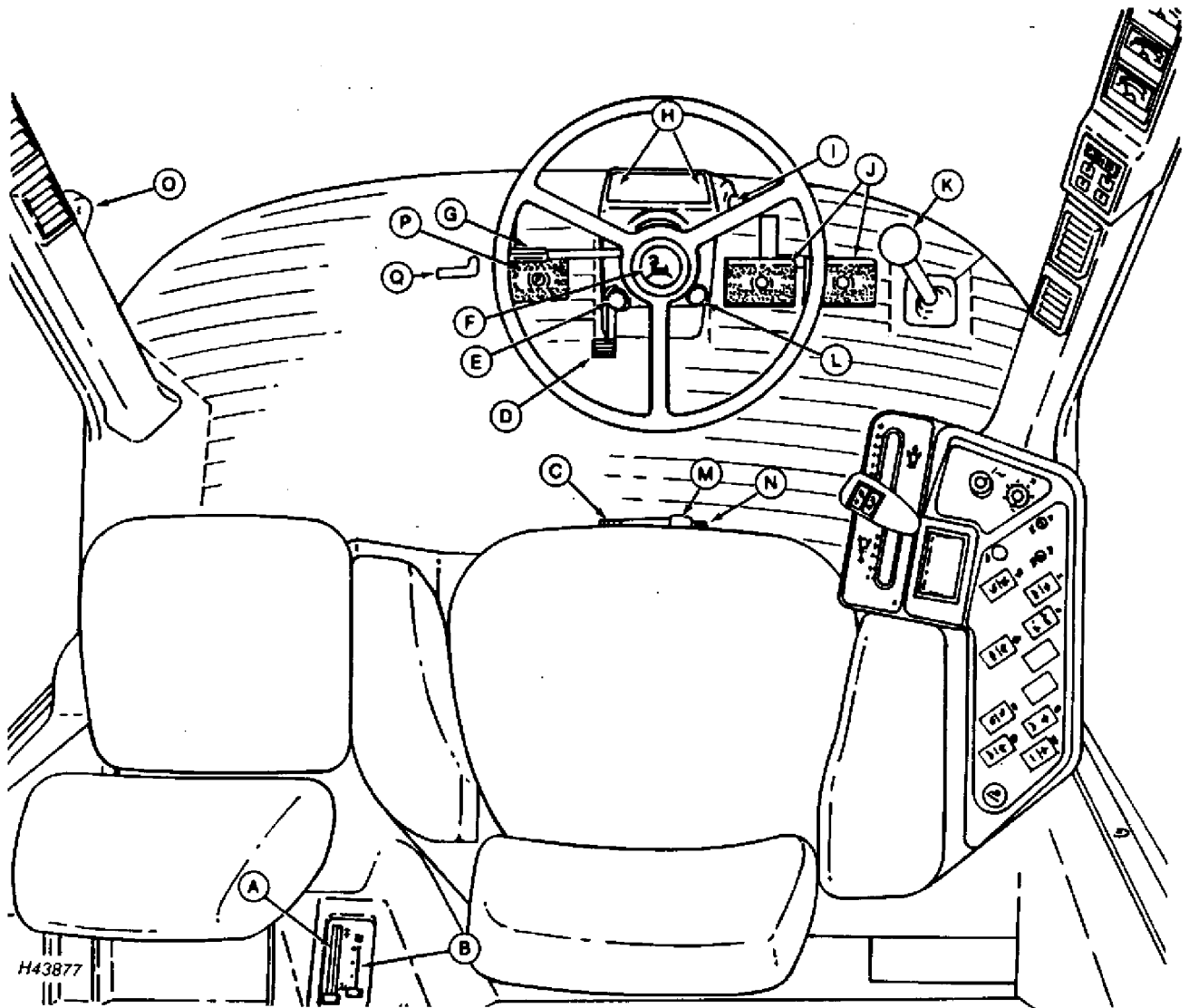
-19-26AUG97

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# Operators Station

## INSTRUMENT AND CONTROL IDENTIFICATION



A—Air Conditioning/Heater,  
Temperature Control  
B—Cab Fan Speed Control  
C—Reverser Control  
D—Steering Column Tilt  
Pedal

E—Ether Aid Button  
F—Steering Wheel  
Lock Knob  
G—Turn Signal Lever  
H—Turn Signal Indicators  
I—Start Switch

J—Brake Pedals  
K—Gearshift Lever  
L—Horn Button  
M—Seat Position Lever  
N—Seat Height Lever

O—Accumulator Gauge  
(Optional)  
P—Manual Park Brake Pedal  
Q—Park Brake Disengage  
Pedal

H01,90000S.A -19-24MAR97

## SWITCH AND KNOB COLORS

Before operating this combine for the first time, become familiar with the switches and controls. These controls are color "coded" to help you quickly locate them when operating the combine.

- Red - Engine Stop
- Orange - ground drive and engine speed.
- Yellow - drive engagement.
- Black - operating adjustments and controls.

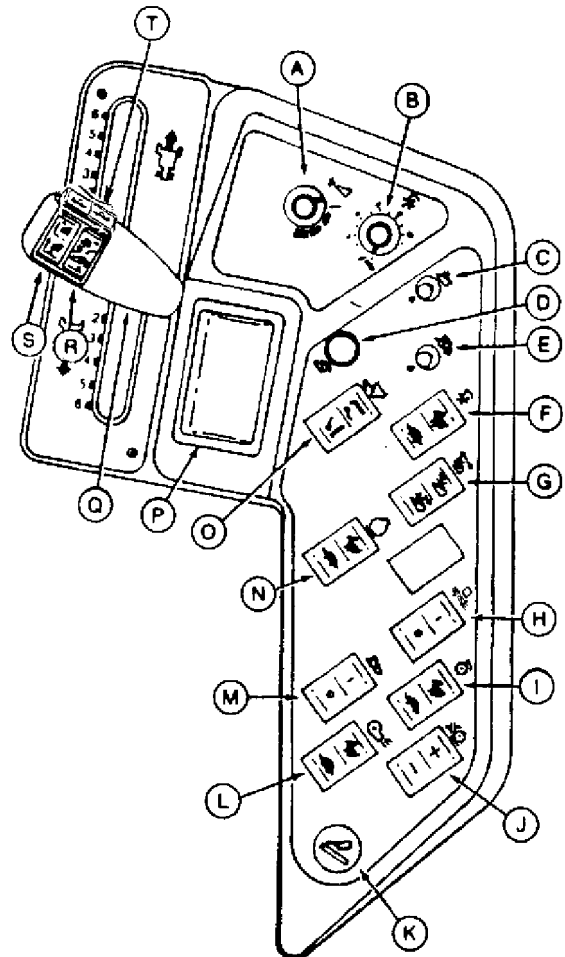


H42330 -UN-11SEP90

H01,9000OS,B -19-24MAR97

## ARMREST CONTROL PANEL

- A—DIAL-A-MATIC™ (Optional)
- B—DIAL-A-SPEED™ Control (Optional)
- C—Header Engage
- D—Unloading Auger Engage
- E—Separator Engage
- F—Manual Reel Speed
- G—Reel Fore-and-Aft (Optional)
- H—CONTOUR MASTER™ On/Off Switch (Optional)
- I—Cylinder Speed
- J—Concave Spacing
- K—Cigarette Lighter
- L—Cleaning Fan Speed
- M—Four-Wheel Drive (Optional)
- N—Engine Speed
- O—Unloading Auger Swing
- P—Ash Tray
- Q—Hydrostatic Drive Control Lever
- R—Reel Lift/Feederhouse Speed
- S—Header Lift
- T—CONTOUR MASTER™ Manual Tilt Switch (Optional)



H46248

H46248 -UN-13DEC94

OM,9500OS,C -19-21DEC94

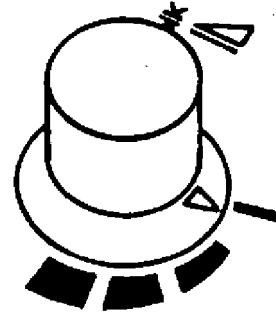
### DIAL-A-MATIC (OPTIONAL)

The knob controls header automatic height with three "ON" positions. See your header Operator's Manual for details.

The DIAL-A-MATIC automatically shuts off when the header is raised by using the rocker switch in the hydro handle. The system will turn itself back on when the header is lowered.

If the reel lift, variable speed feeder house or variable speed cylinder drive are operated when the DIAL-A-MATIC is functioning, these systems may not work properly.

**IMPORTANT: Be certain knob is in the "OFF" position when the platform cutterbar is locked out.**



H43710

H43710 -UN-06AUG91

H01,9000OS,AC -19-09OCT91

### DIAL-A-SPEED (OPTIONAL)

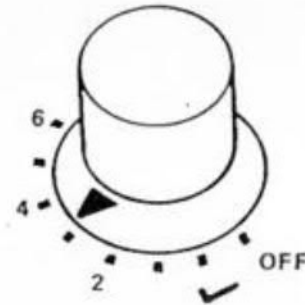
The DIAL-A-SPEED knob controls the ratio of the reel speed or the belt pickup to ground speed.

To operate, start the engine and drive forward with the separator and header engaged.

Turn the DIAL-A-SPEED knob to position 3.

Watch the speed of the reel or belt pickup and adjust the DIAL-A-SPEED knob until you get the desired ratio to ground speed.

The reel or belt pickup will now speed up or slow down in relation to the ground speed.



H48241

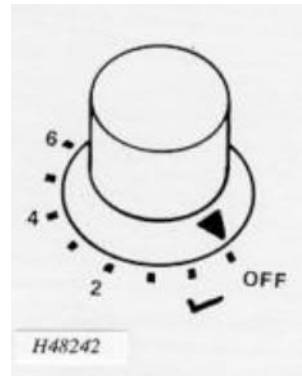
H48241 -UN-18FEB97

H01,9000OS,AD -19-24MAR97

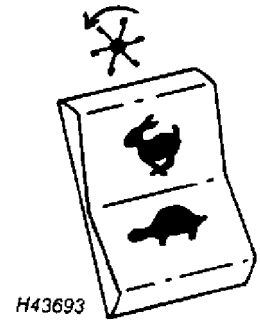
## Operators Station

DIAL-A-SPEED will not operate if ground speed is less than 1.2 kph (0.75 mph).

Use the manual reel speed switch to get the desired reel speed or belt pickup speed.



H48242 -UN-18FEB97



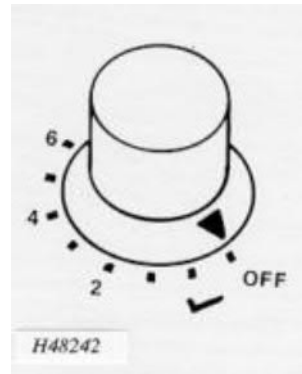
H43693 -UN-06AUG91

H01.9000OS,CB -19-24MAR97

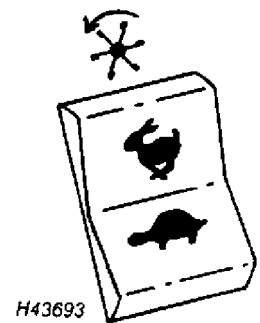
The minimum reel speed and belt pickup speed can be increased when operating at slower speeds. To change the minimum speed:

Turn the DIAL-A-SPEED knob to the "OFF" position.

Press the manual switch to get the minimum reel or belt pickup speed desired.



H48242 -UN-18FEB97

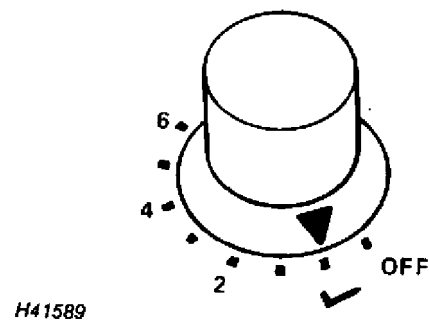


H43693 -UN-06AUG91

H01.9000OS,CC -19-24MAR97

Turn the DIAL-A-SPEED knob to the check position for two or three seconds.

Return the DIAL-A-SPEED knob to the prior setting and continue operating. This minimum speed is kept until the engine is shut off.



H41589 -UN-14FEB90

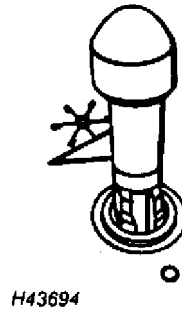
H01.9000OS,CD -19-11SEP92

### HEADER ENGAGE (YELLOW)

The switch turns on header. Lift and push to turn on, or pull to turn off. This switch must be off to start the engine.

Operator must be seated to operate header. If operator leaves seat after engagement, header will continue to operate for five seconds before it disengages. To re-engage, sit in seat then turn switch off and then back on.

If the header fails to engage or stops suddenly, sit squarely on the seat, turn the switch off, lift and push switch to re-engage.



H43694

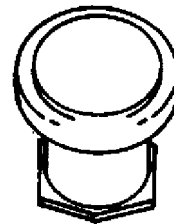
-UN-06AUG91

H43694

H01,9000OS,AE -19-09OCT91

### UNLOADING AUGER ENGAGE (YELLOW)

Switch turns on unloading auger. Pull to turn on; push to turn off. This switch must be off to start the engine.



H43695

-UN-06AUG91

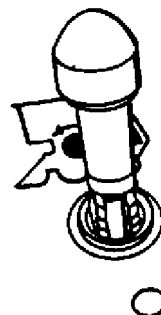
H43695

H01,9000OS,AF -19-13DEC93

### SEPARATOR ENGAGE (YELLOW)

Switch turns on separator. Lift and push to turn on; pull to turn off. Switch must be in OFF position to start engine.

The cylinder speed adjust and the fan speed adjust systems only work when the separator is engaged. The separator should be engaged at low idle, however, the separator may be engaged at fast idle without damage to the drive.



H43697

-UN-06AUG91

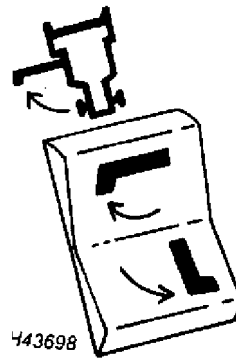
H43697

H01,9000OS,AG -19-13DEC93

### AUTOMATIC UNLOADING AUGER SWING (YELLOW)

Push upper half of switch to swing auger to the full out position. Return switch to neutral position to stop auger in any desired position. The switch must be in neutral position before engine will start. If the auger is swung out half way and the engine is stopped, you must press the upper half of the switch and swing the auger to the full out position before you can swing the auger back in.

If the reel lift, variable speed feeder house or cylinder speed are operated when swinging the auger, these systems may operate the opposite way.



H43698

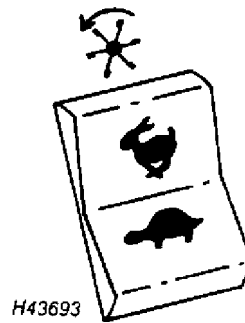
-UN-06AUG91

H43698

H01,9000OS,AI -19-23AUG97

### MANUAL REEL SPEED (BLACK)

Switch controls reel speed. Push and hold rabbit symbol to go faster or push and hold turtle symbol to go slower. If equipped with DIAL-A-SPEED, the automatic function can be overridden by the manual control, but will resume auto operation when the switch is released.



H43693

-UN-06AUG91

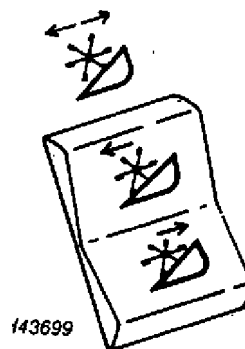
H43693

H01,9000OS,AJ -19-13DEC93

### REEL FORE-AND-AFT (BLACK) (OPTIONAL)

Engine must be running for this control to function.

The switch controls position of reel. Push and hold forward arrow symbol to go to front. Push and hold rearward arrow symbol to go to rear.



H43699

-UN-06AUG91

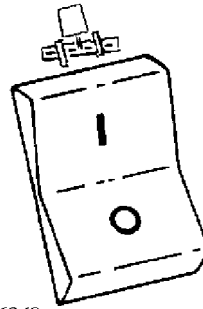
H43699

H01,9000OS,AK -19-13DEC93



### CONTOUR MASTER AUTOMATIC TILT ON/OFF SWITCH (OPTIONAL)

Press top of switch to engage or bottom of switch to disengage Contour Master automatic tilt.



H46249

-UN-13DEC94

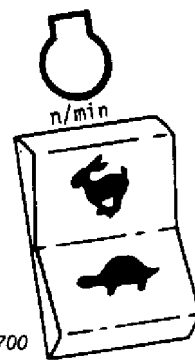
H46249

HX,CTSOS,A -19-08JAN96

### ENGINE SPEED (ORANGE)

The switch controls engine rpm. Push:

- Turtle (slow idle) 1350 rpm 9410 Combine  
1200 rpm 9510 and 9610 Combine
- Mid Speed 9510 and 9610 Combines  
-1650 rpm
- Rabbit (fast idle) 9410 Combine-2350 with  
Separator engaged  
9510 and 9610 Combines-2340  
with separator engaged-  
2200 rpm rated



H43700

-UN-06AUG91

H43700

H01,9000OS,AL -19-23AUG97

## CYLINDER SPEED (BLACK)

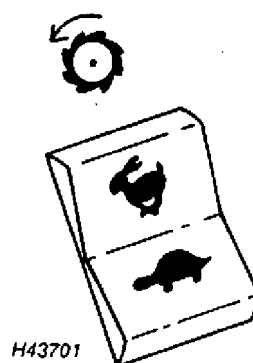
The switch controls cylinder rpm. Separator must be running to adjust the cylinder speed. Push and hold rabbit symbol for higher rpm or push and hold turtle symbol for lower rpm. Check rpm on tachometer.

This switch also inputs to the tachometer for low cylinder speed alarm that is displayed in the overhead panel. Whenever cylinder speed is changed, the low cylinder speed alarm is also reset.

As system oil temperature increases, cylinder speed may increase about 30 rpm in four hours. Readjust cylinder speed as needed.

If any of the following controls are operated when operating this switch, the system may not respond properly:

- Auger Swing
- Reel Lift
- Reel Fore-and-Aft
- Header Lift



H43701 -UN-06AUG91

H01.9000OS\_AN -19-13DEC93

## FOUR-WHEEL DRIVE (ORANGE) (OPTIONAL)

**IMPORTANT:** To prevent damage to the hydrostatic system, do not switch 4-Wheel Drive on or off while driving combine in third gear (road gear) at maximum travel speed.

Move hydrostatic control lever to number (4) on decal (when in third gear) before switching 4-Wheel Drive on or off.

When driving the combine in conditions which cause high pressures in the hydrostatic system and the combine slows down or stops, move hydrostatic drive lever to neutral and shift to a lower gear.

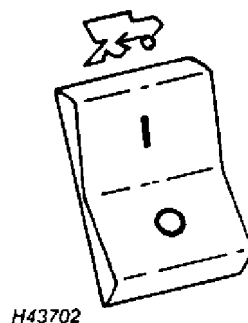
The switch controls 4-wheel drive. Push upper symbol of switch to engage or push lower symbol of switch to disengage.

**CAUTION:** Ground speed will increase when disengaging four-wheel drive and will decrease when engaging four-wheel drive.

It is NORMAL for front wheels to lose traction and spin out before the rear wheels in most conditions. In extremely muddy conditions, it may be necessary to apply both brakes momentarily to increase hydrostatic pressure to the 4-wheel drive motors.

When the drive is engaged, these approximate reductions in ground speed occur:

- First Gear: 20%
- Second Gear: 30%
- Third Gear: 50%



H43702 -UN-06AUG91

H01.9000OS,AO -19-13DEC93

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