

# SideHill 9550 Combine

(Serial No. 695701- )



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## OPERATOR'S MANUAL SideHill 9550 Combine

OMH202899 Issue L1 (ENGLISH)

CALIFORNIA  
Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

If this product contains a gasoline engine:

 **WARNING**

The engine exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

The State of California requires the above two warnings.

**John Deere Harvester Works**  
(This manual replaces OMH175215 A1)

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# Introduction

## Foreword



9550 Sidehill

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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 manual and safety signs on your machine may also be available in other languages. (See your John Deere dealer to order.)

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

MEASUREMENTS in this manual are given in both metric and customary U.S. unit equivalents. 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 of forward travel.

WRITE PRODUCT IDENTIFICATION NUMBERS (P.I.N.) in the Specification or 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. 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.

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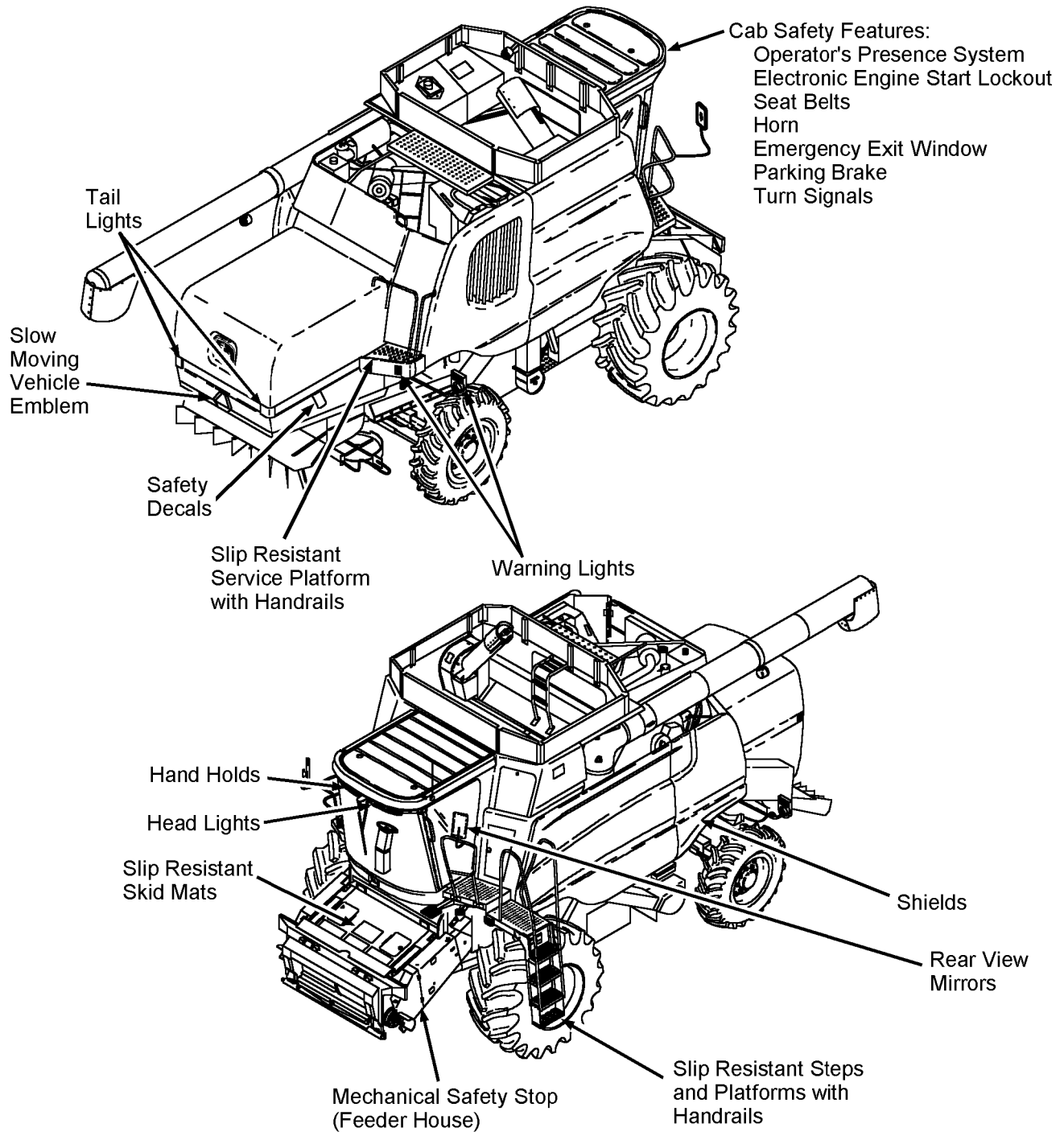
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# Safety Features

## 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.

H67674 -19-04MAY01

OU06075,000199C -19-03AUG01-1/1

# Safety

## Recognize Safety Information

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

Follow recommended precautions and safe operating practices.



DX,ALERT -19-29SEP98-1/1

T81389 -UN-07DEC88

## 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.



**▲ WARNING**

**▲ CAUTION**

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

TS187 -19-30SEP88

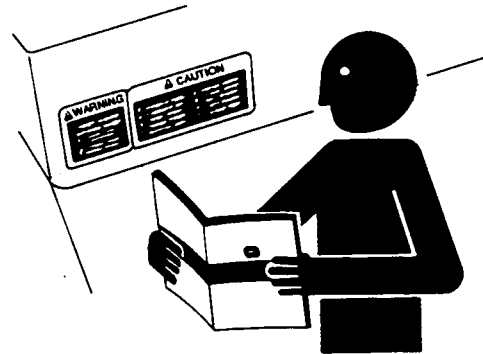
## Follow Safety Instructions

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 -19-03MAR93-1/1

TS201 -UN-23AUG88

## Look for Supplemental Information

Occasionally, new or revised information will become available after manuals are printed. To get this up-to-date information into your hands, publication supplements are prepared and supplied to the field in the machine literature package.

Supplements can be supplied in the following forms and are usually identified with one of these titles:

- Direction(s) Sheet
- Installation Instructions
- Publications Supplement

Before your initial review of the Operator's Manual, look through the machine literature package to see if any supplemental information has been provided. If supplied, review this information to determine which operating procedures are impacted or modified by the revised instructions. Pay close attention to "CAUTION" and "IMPORTANT" statements as they address your safety, the safety of others, and the safe operation of the machine.

Operator's Manuals are revised annually, at which time the supplemental information is incorporated directly into the manual, thereby eliminating the supplement

AG,OUO6018,604 -19-22SEP99-1/1

## 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.

Follow instructions in header Operator's Manual when attaching or detaching the header.

HX,AG,SF6781 -19-08JUL99-1/1

### Keep Riders and Children Off Machine

Only allow the operator on the machine. Keep riders off the machine except for periods of training or short periods of observation.

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.

Children should never be allowed on the machine or in the combine cab when the engine is running.

The instructional seat should only be used for instruction or short periods of machine observation, and not for the accommodation of children.



TS253 -UN-23AUG88

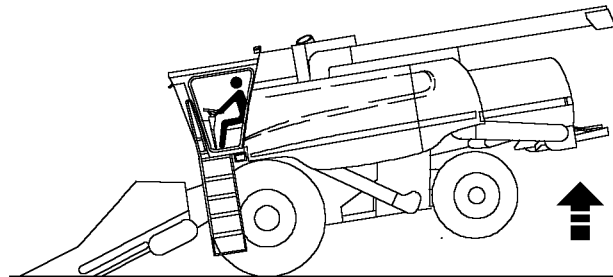
AG,OUO6075,255 -19-01AUG00-1/1

### 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.



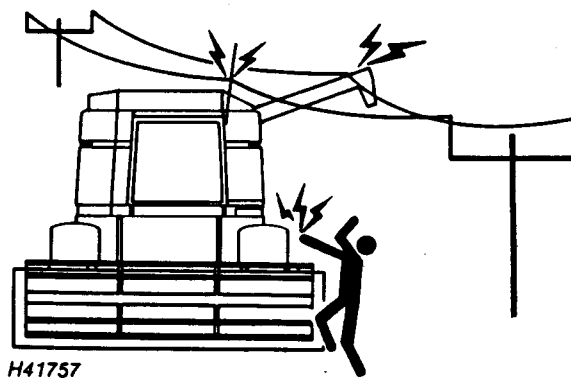
H51907 -UN-10FEB99

HX,AG,SF6782 -19-05FEB99-1/1

### 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

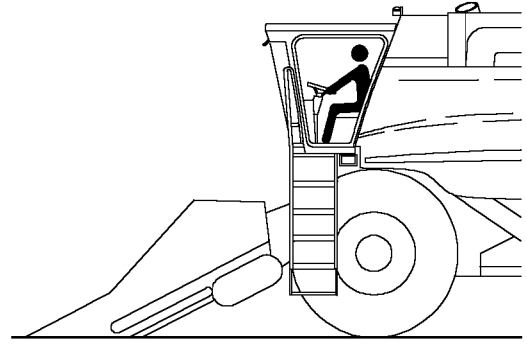
H41757 -UN-10MAR90

HX,AG,SF6783 -19-09OCT91-1/1



### 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.

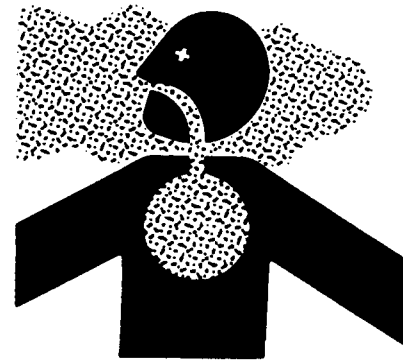


H51908 -UN-10FEB99

HX,AG,SF6784 -19-05FEB99-1/1

### Operate the Engine Outdoors

Never operate the engine in a closed building.



TS220 -UN-23AUG88

HX,AG,SF6785 -19-09OCT91-1/1

### 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.



TS202 -UN-23AUG88

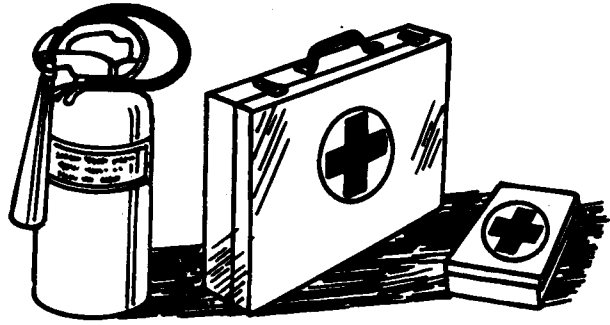
DX,FIRE1 -19-03MAR93-1/1

### 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-23AUG88

DX,FIRE2 -19-03MAR93-1/1

### 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.



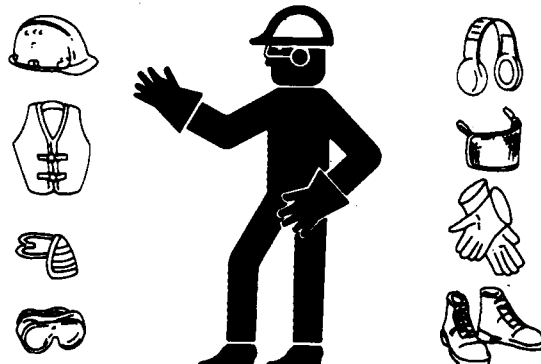
TS1356 -UN-18MAR92

DX,FIRE3 -19-16APR92-1/1

### 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.



TS206 -UN-23AUG88

DX,WEAR2 -19-03MAR93-1/1

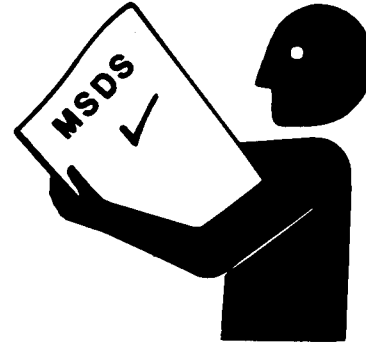
### Handle Chemical Products Safely

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.)



TS1132 -UN-26NOV90

DX,MSDS,NA -19-03MAR93-1/1

### 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, set parking brake, and remove key before servicing or unclogging header.



H42442

H42442 -UN-10JAN91

AG,OUO1035,1803 -19-07MAR00-1/1

### Keep Hands Away From Knives

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

Everyone must be clear of the combine before starting the engine



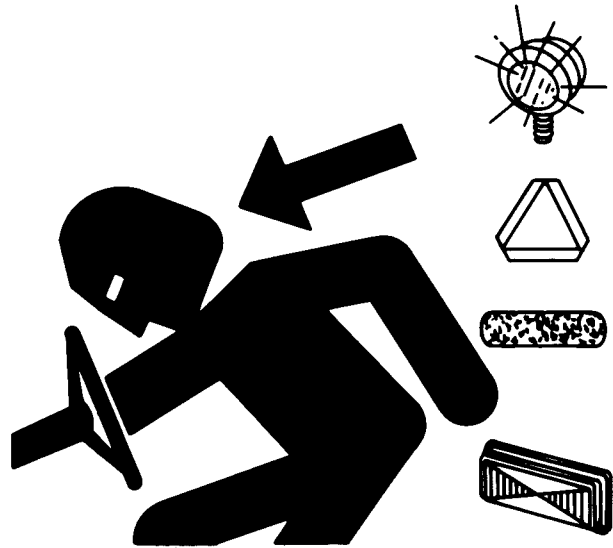
TS254 -UN-23AUG88

AG,OUO1035,1804 -19-07MAR00-1/1

### 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 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, clean, 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.

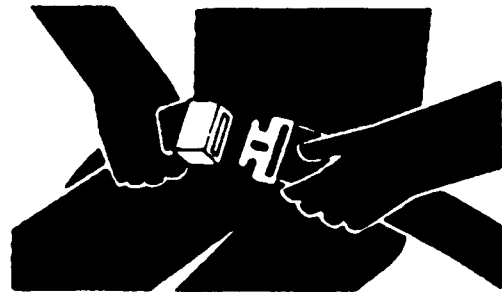


TS951 -JUN-12APR90

DX,FLASH -19-07JUL99-1/1

### Use Seat Belts

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



H47137

H47137 -JUN-25OCT95

HX,AG,SF6786 -19-25OCT95-1/1

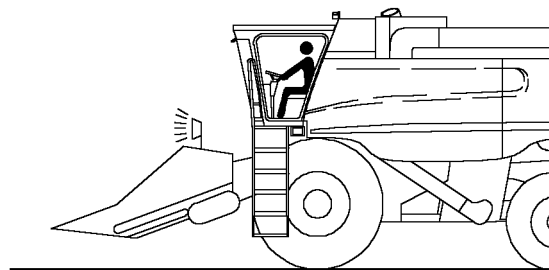
### Transport Combine With Header Safely

Whenever possible avoid transporting on public roadways with the header attached.

If the combine must be transported with the header attached, make sure that the flashing warning lights on the header are operating and the reflective material is clean and visible.

The use of a spotter or pilot vehicle is recommended on busy, narrow or hilly roads and when crossing bridges.

Drive at a speed that is safe for conditions.



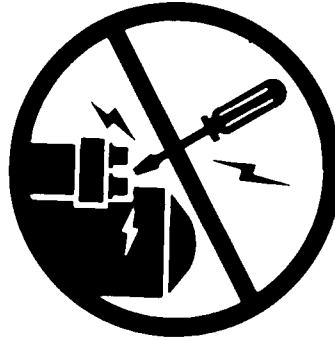
H51909 -JUN-07MAY99

HX,AG,SF6787 -19-05FEB99-1/1

### Prevent Machine Runaway or Unexpected Movement

Avoid injury or death from unexpected movement of machine or components.

Do not start engine by shorting across starter or solenoid terminals. Machine or components may move if the normal circuitry is bypassed.



H58737 -UN-08JUL99

HX,AG,SF6788 -19-08JUL99-1/1

### Practice Safe Maintenance

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

Never lubricate, service, or adjust machine while it is moving. Keep hands, feet, and clothing 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.



TS218 -UN-23AUG88

HX,AG,SF6789 -19-05MAY99-1/1

### Prevent Machine Damage When Welding

To prevent damage to electronic components be sure to disconnect the single point ground and ECU wiring harness connectors before welding on combine.

HX,AG,SF6790 -19-20JAN00-1/1

## Remove Paint Before Welding or Heating

Avoid potentially toxic fumes and dust.

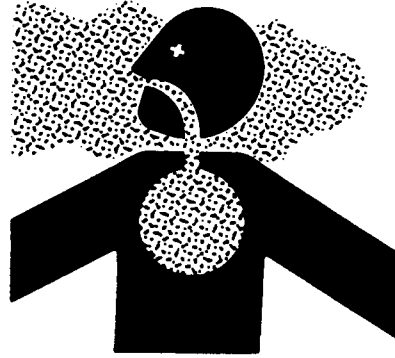
Hazardous fumes can be generated when paint is heated by welding, soldering, or using a torch.

Remove paint before heating:

- Remove paint a minimum of 76 mm (3 in.) from area to be affected by 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.

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

Dispose of paint and solvent properly.



TS220 -UN-23AUG88

DX,PAINT -19-22OCT99-1/1

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



TS953 -UN-15MAY90

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

## 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.



TS256 -UN-23AUG88

HX,AG,SF6791 -19-15JUN90-1/1



## 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 shut off 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.



TS256 -UN-23AUG88

HX,AG,SF6792 -19-09SEP97-1/1

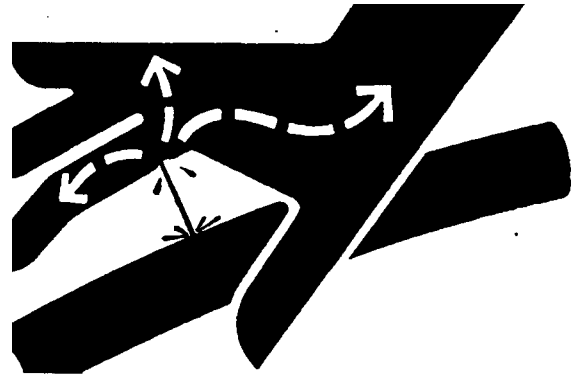
## Avoid High-Pressure Fluids

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 -19-03MAR93-1/1

## 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 -JUN-18MAR92

DX,SPRAY -19-16APR92-1/1

## Dispose of Waste Properly

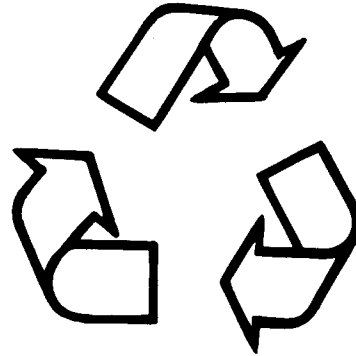
Improperly disposing of waste can threaten the environment and ecology. Potentially harmful waste used with John Deere equipment include such items as oil, fuel, coolant, brake fluid, filters, and batteries.

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.



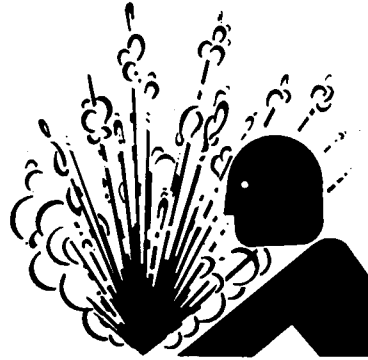
TS1133 -JUN-26NOV90

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

### 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 -19-04JUN90-1/1

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.



HX,AG,SF6793 -19-23AUG97-1/1

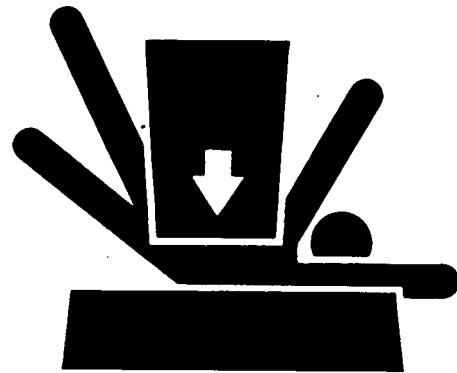
TS227 -UN-23AUG88

### 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.

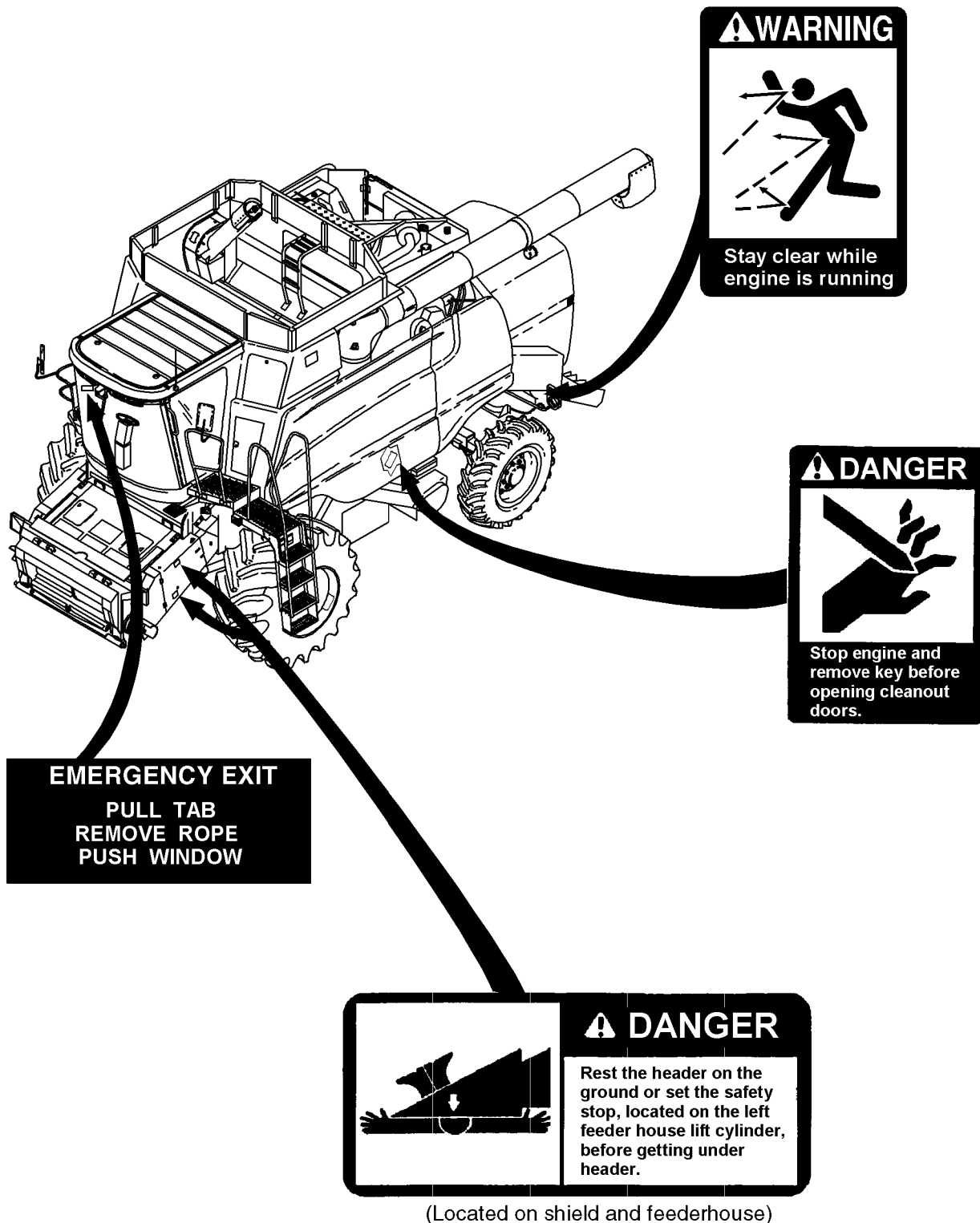
When implements or attachments are used with a machine, always follow safety precautions listed in the implement or attachment operator's manual.



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

TS229 -UN-23AUG88

# Safety Sign Location



Continued on next page

OUO6075,000199D -19-06AUG01-1/5

H70290 -19-05NOV01

**CAUTION**

Avoid bodily injury from rotating auger and components :

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

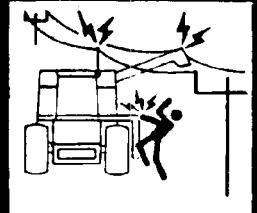
Keep hands from pinch points when closing auger.

**DANGER**



DO NOT enter grain tank when engine is running.

**DANGER**



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

**CAUTION**

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

**CAUTION**

The instructional seat is for training operators or diagnosing machine problems. Keep all other riders and children off. Use the seat belt whenever operating the machine or riding as an observer.

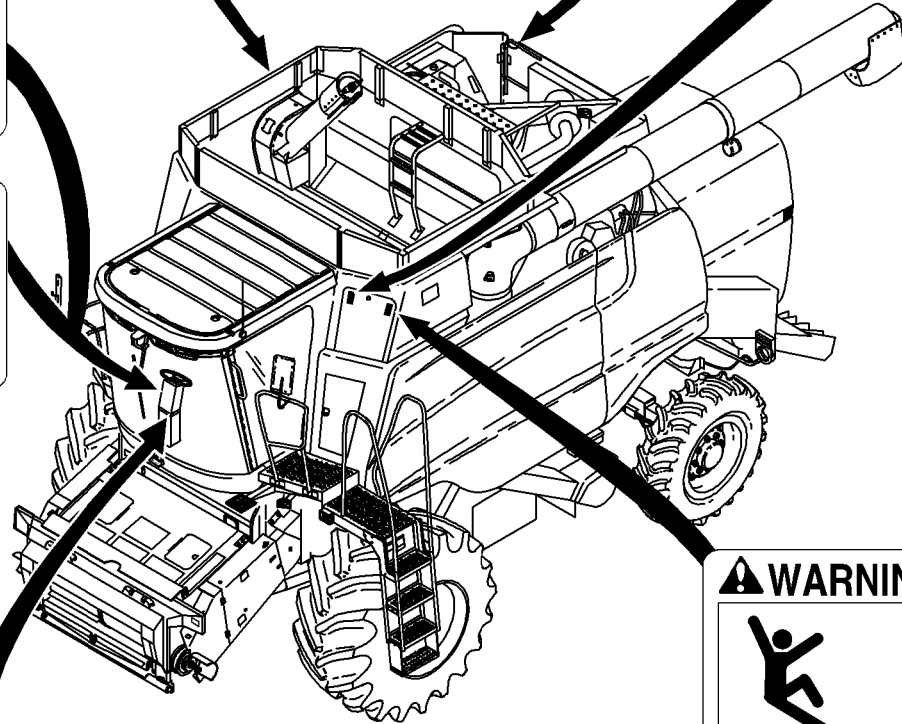
**CAUTION**


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

**WARNING**



Do not enter grain tank in this area.





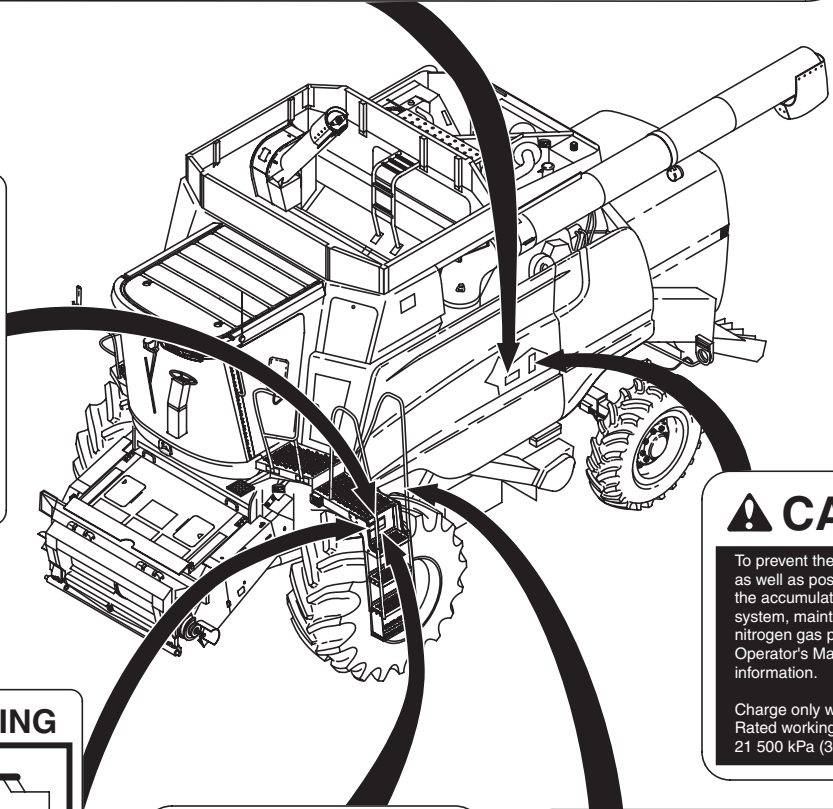
**WARNING**

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)

**WARNING**



Avoid motor vehicle collision and serious injury or death. Always swing ladder to forward locked position before driving combine on roadways.

**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.



**WARNING**

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

**WARNING**

PRESSURIZED COOLING SYSTEM TO PREVENT BURN INJURY DUE TO UNCONTROLLED RELEASE OF STEAM AND HOT COOLANT \*UNTIL THE RADIATOR HAS COOLED TO THE TOUCH TO REMOVE RADIATOR CAP SLOWLY

**DANGER**

DO NOT enter grain tank when engine is running.

**WARNING**

Chopper rotates in windrow position.

(With wide spread chopper)

**WARNING**

Chopper rotates in windrow position.

**WARNING**

Stay clear while engine is running

**CAUTION**

Avoid combine fires.

The accumulation of chaff, leaves and other crop material in the engine compartment, on the engine or near moving parts can cause a fire. Inspect and clean these areas frequently.

**WARNING**

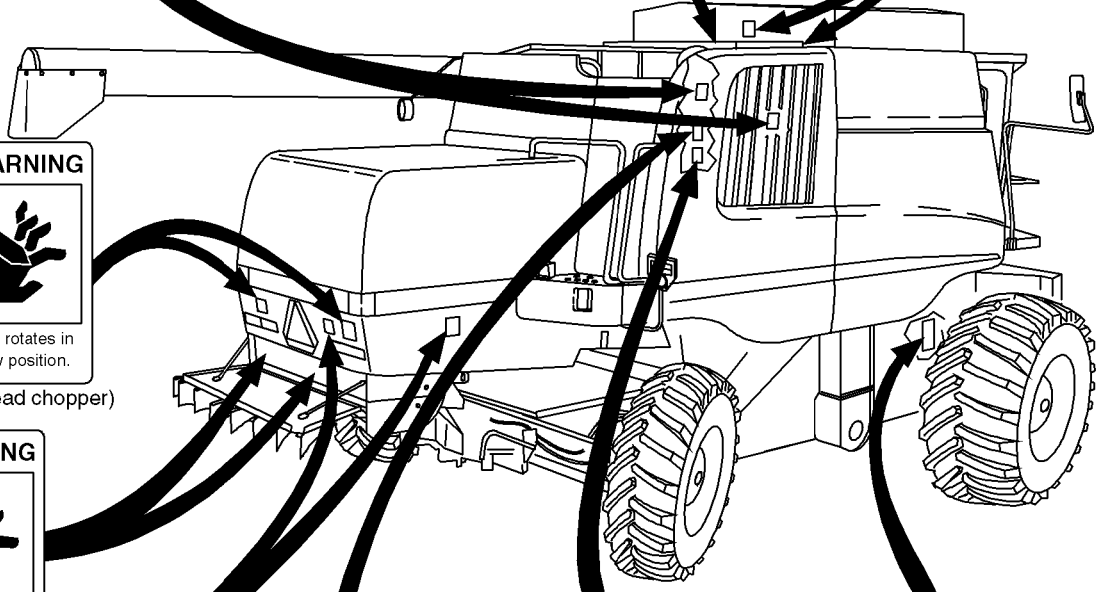
Do not enter grain tank in this area.

**WARNING**

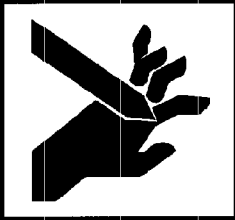
Lower sheave of variable speed drive contains spring under load. To avoid bodily injury from spring action when disassembling sheave, relieve spring load as follows :

1. Set variable speed drive at low speed position (lower sheaves closed.)
2. Loosen bolt on outer end at 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.

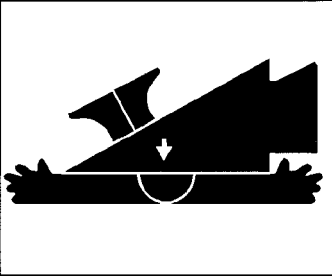


**⚠ WARNING**



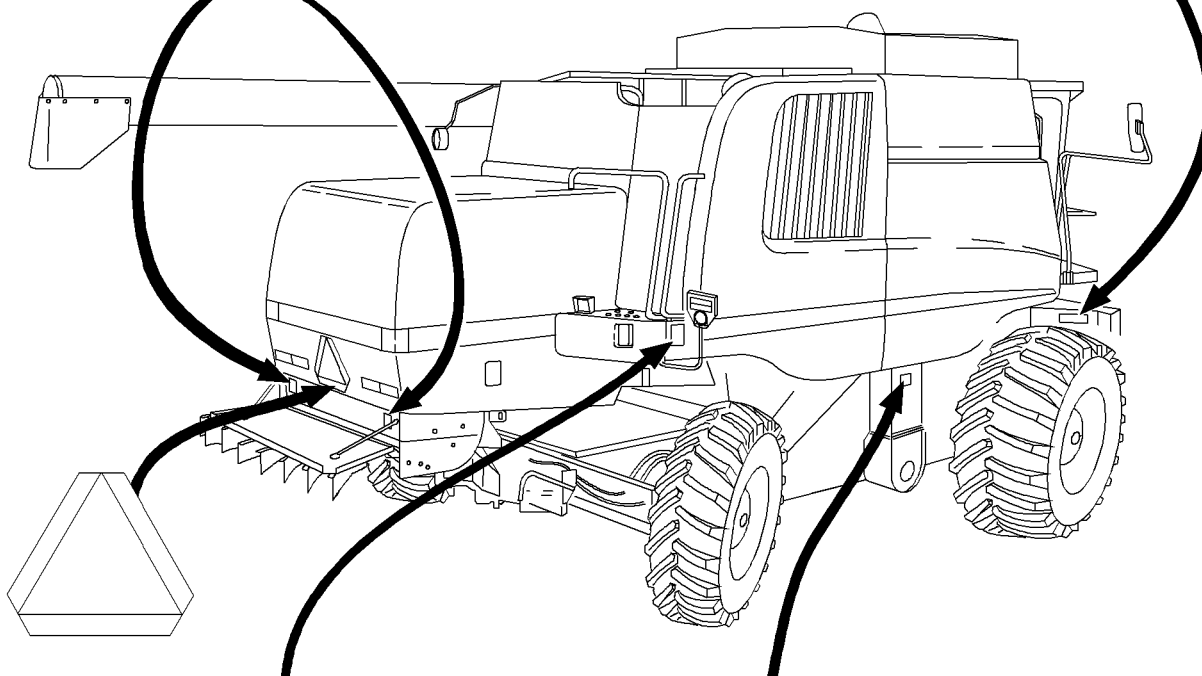
Chopper rotates in windrow position.

**⚠ DANGER**



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

( Located on shield and on feederhouse )



**⚠ WARNING**



Do not ride ladder while combine is moving.

**⚠ WARNING**

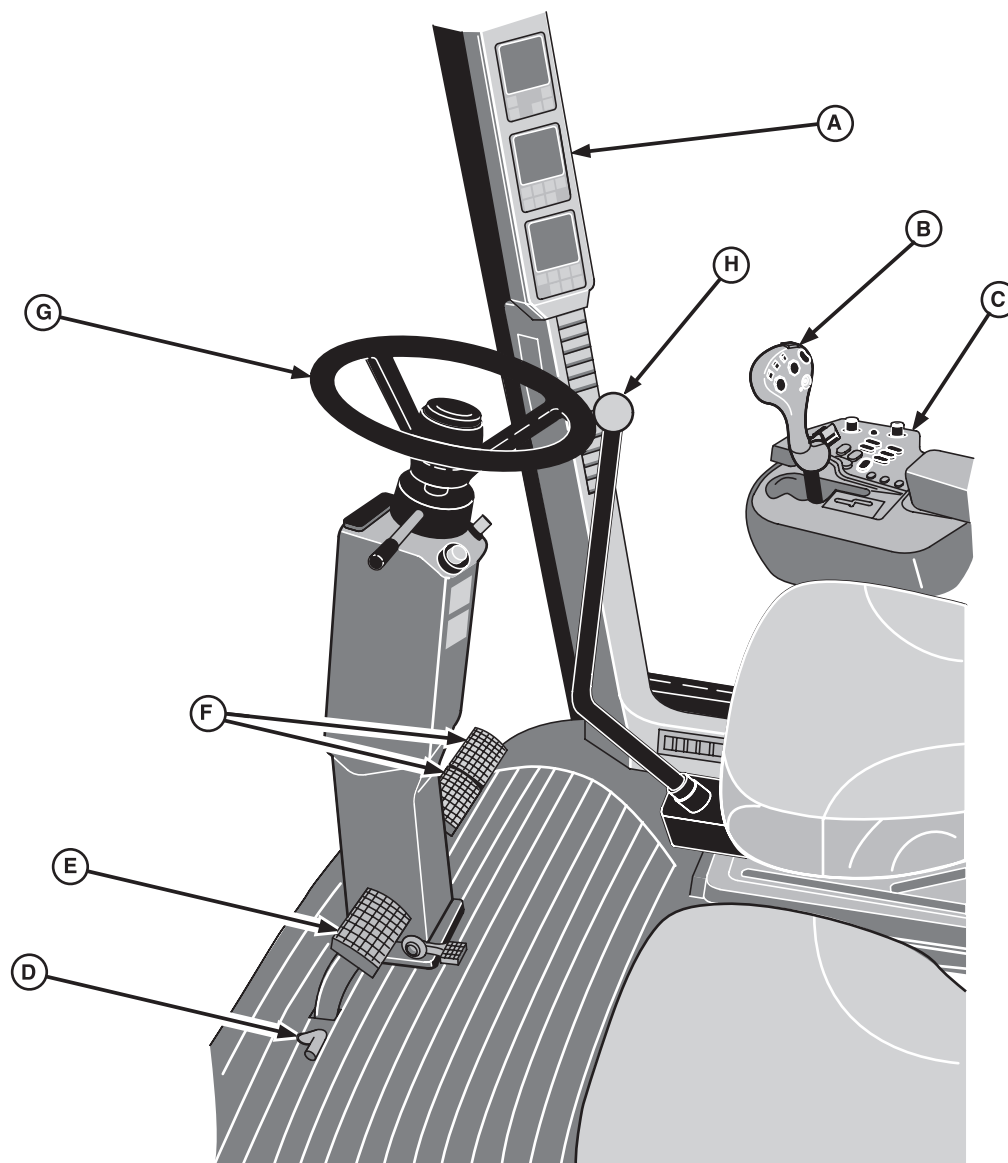


Never raise shield with the engine running. Stop engine and remove key.

H69536 -19-05SEP01

# Controls and Instruments

## General View of Controls and Instruments



A—COMMANDTOUCH™ Cab  
Corner Post

B—Multi- function Control  
Handle

C—COMMANDTOUCH Armrest  
Console

D—Park Brake Disengage  
Pedal

E—Park Brake Engage Pedal  
F—Brake Pedals

G—Steering Column  
H—Gearshift Lever

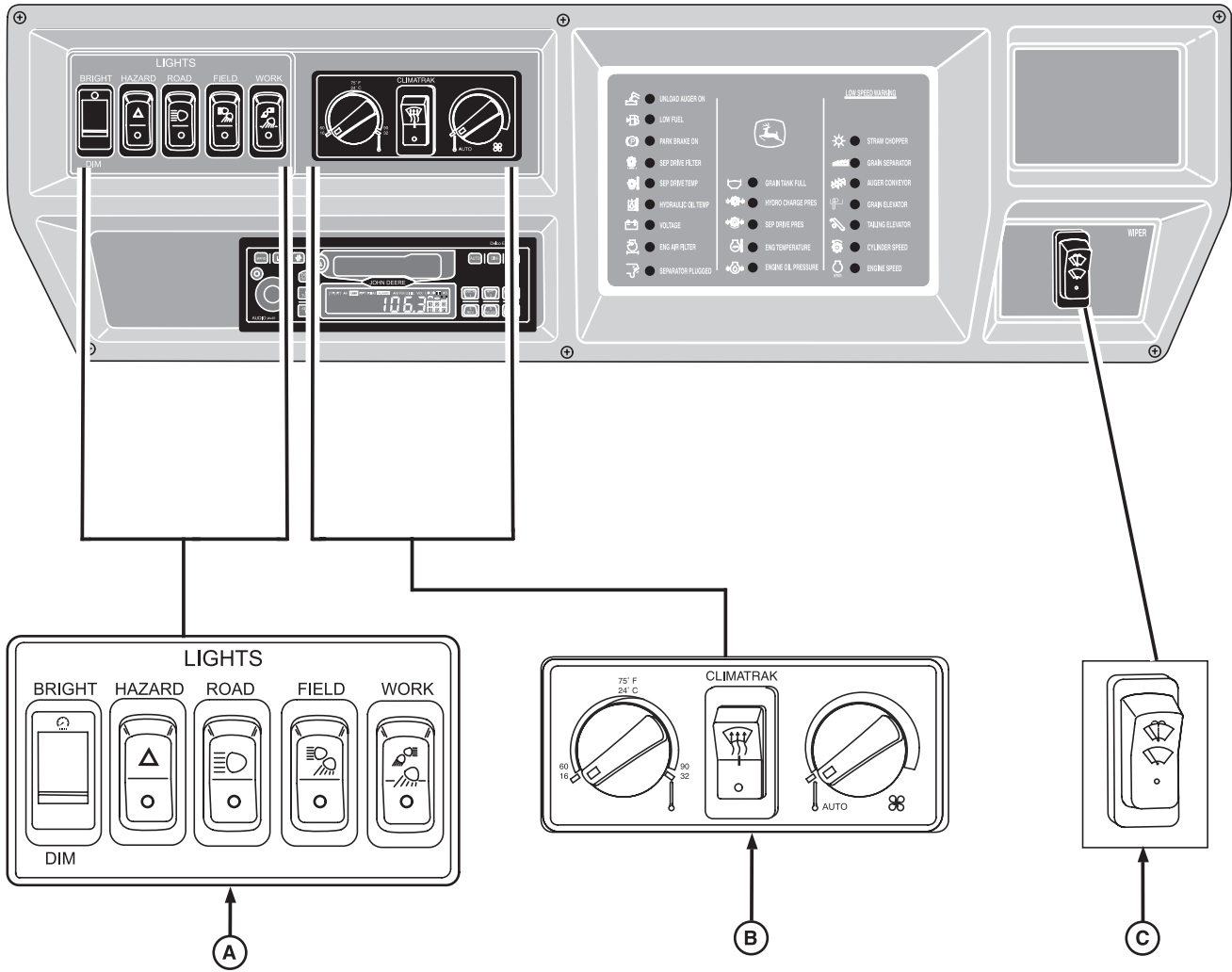
H68142 -UN-23MAY01

COMMANDTOUCH is a trademark of Deere & Company

OOU6075,00016D9 -19-17MAY01-1/1

# Overhead Control Panel

## Overhead Control Panel



**A—Light Switches**

**B—ClimaTrak™ Control Switches**

**C—Windshield Wiper and Windshield Washer Switch (optional)**

H67063 -UN-23APR01

ClimaTrak a trademark of Deere & Company

HX,AG,SF6796 -19-06MAY99-1/1

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