

9470 STS and 9570 STS Argentine Combines



OPERATOR'S MANUAL Argentine Combines 9470 STS and 9570 STS OMCQ100193 ISSUE B3 (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.

Additional Proposition 65 Warnings can be found in this manual.

Industrias John Deere Argentina S.A.
South American Edition
LITHO IN U.S.A.



Introduction

Foreword

READ THIS MANUAL carefully in order to learn how to correctly operate and service your machine. Bodily injury or damage to the machine may occur if this procedure is not followed. This manual as well as the safety signs on your machine may be available in other languages (contact your John Deere dealer for more information).

THIS MANUAL SHOULD BE CONSIDERED a permanent part of your machine and it should accompany the machine if sold.

Measurements in this manual are presented both in the metric system and in the commonplace measurement system used in the United States. Only use system the correct replacement parts and attaching accessories. Bolts and screws in inches and millimeters may require a drive tool in inches or millimeters.

RIGHT-HAND AND LEFT-HAND sides are determined with reference to the direction of forward travel.

WRITE DOWN THE P.I.N.'s (Product Identification Numbers) in the Specifications or I.D. Numbers section. Note down all numbers precisely in order to aid in the location of the machine in the case of theft. Your John Deere dealer shall also require that these numbers are provided when you request parts. Archive the I.D. numbers in a safe place, exterior to the machine.

SETTING FUEL INJECTION BEYOND PUBLISHED factory specifications, or any other modification made with the purpose of increasing engine power, will result in loss of warranty cover for the machine.

BEFORE DELIVERING THIS MACHINE, your dealer performed a predelivery inspection. The machine was first used operationally after the dealer had carried out the Technical Delivery. The dealer monitored the machine during its first few hours of operation. Before completing 600 operating hours or 12 months of use, schedule a post-sales inspection by your dealer to tune the machine to perform at its best.

This machine was designed solely for use in regular agricultural operations or similar such operations ("INTENDED USE"). Its use in any other way is deemed contrary to the intended use. The manufacture accepts no liability for damage or injury resulting from misuse, such risks must be borne solely by the user. Compliance with and strict adherence to the operating, service and repair conditions specified by the manufacturer also constitute essential elements of the intended use.

THIS MACHINE SHOULD BE OPERATED and repaired only by persons familiar with all its particular characteristics and acquainted with the relevant safety rules (accident prevention). Accident prevention regulations, all other generally recognized regulations on safety and occupational medicine as well as road traffic regulations must always be complied with at all times. Any arbitrary modifications carried out on this machine will release the manufacturer of all liability for any resulting damage or injury.

ML70882,0000516 -19-06JUN05-1/1

Interpreting the Serial Number of Your Machine - 13 digits PIN

Interpreting the Serial Number of Your Machine		
1	Code of producing unit	CQ — Machines produced at JD Horizontina NW — Machines produced at JD Catalão BM — Machines produced at JD Montenegro
2	Machine model	
3	Serial code of Machine	A, B, C...
4	Year of production of the machine	06, 07, 08, 09, 10...
5	Sequential number	0001, 0002, 0003, 0004...

Each model has its own "sequential number". The sequential number restarts at 0001 with the first machine produced each year.

CQ1450B060001
 (1) (2) (3) (4) (5)
 CQ0600A060001

13 digits PIN examples

Each model has its "Serial code of Machine". This code will change whenever there is a significant change of the machine's configuration.

ML70882,0000943 -19-21MAY09-1/1

CC286870 —UN—06MAR06

Interpreting the Serial Number of Your Machine - 17 digits PIN

Interpreting the Serial Number of Your Machine		
1	World Manufacturer Code	CQ — Machines produced at JD Horizontina NW — Machines produced at JD Catalão BM — Machines produced at JD Montenegro
2	Machine model	
3	Model Identifier Suffix	N, T, W...
4	Check Letter	A, B, C, D...
5	Year of manufacture	According to the Year of manufacture table
6	Additional information	
7	Sequential Manufacturing Serial Number	000001, 000127....

1CQ1450XC9A123456

① ② ③ ④ ⑤ ⑥ ⑦

1CQ0600XC9A123456

CQ282811—UN—21MAY09

Year of Manufacture Code							
Year	Code	Year	Code	Year	Code	Year	Code
2008	8	2018	J	2028	W	2038	8
2009	9	2019	K	2029	X	2039	9
2010	A	2020	L	2030	Y	2040	A
2011	B	2021	M	2031	1	2041	B
2012	C	2022	N	2032	2	2042	C
2013	D	2023	P	2033	3	2043	D
2014	E	2024	R	2034	4	2044	E
2015	F	2025	S	2035	5	2045	F
2016	G	2026	T	2036	6	2046	G
2017	H	2027	V	2037	7	2047	H

Each model has its own sequential number. For new models, the sequential number restarts at 000001.

Each model has its Serial code of Machine. This code will change whenever there is a significant change of the machine's configuration.

GB52027.0000B34 -19-04FEB13-1/1

Information of Company

John Deere Brasil Ltda.

Avenue Eng. Jorge A. D. Logeman, 600

City: Horizontina/RS - Brasil

Zip Code: 98920-000

CNPJ: 89.674.782/0001-58



JOHN DEERE

CQ291459—UN—23JAN12

JG50163.0000279 -19-30MAR12-1/1

Contents

	Page		Page
Safety Features			
Machine Safety Features.....	05-1	Use Seat Belts.....	15-2
Safety			
Recognize Safety Information	10-1	Emergency Exit	15-2
Understand Signal Words.....	10-1	Avoid Contacting Power Lines.....	15-3
Follow Safety Instructions.....	10-1	Cab Access Ladder and Platform.....	15-3
Driving the Machine.....	10-2	Avoid Motor Collisions.....	15-3
Keep Riders and Children Off Machine	10-2	Feeder House Safety Stop	15-4
Ballasting for Safe Ground Contact.....	10-2	Drive Shafts Lubrication	15-4
Avoid Electrical Power Lines	10-3	Hydraulic Diagnostic Ports	15-4
Parking and Leaving the Machine	10-3	Hydraulic Reservoir	15-5
Work In Ventilated Area.....	10-3	Chain Tension Adjustment.....	15-5
Handle Fuel Safely—Avoid Fires.....	10-4	Drive Shafts Lubrication	15-5
Prepare for Emergencies.....	10-4	Cleaning Shoe Settings	15-6
Wear Protective Clothing.....	10-4	Cooling Package Cleanout.....	15-6
Stay Clear of Harvesting Units	10-5	Feeder House Conveyor Chain.....	15-6
Keep Hands Away From Knives.....	10-5	Feeder House Tilt Frame.....	15-7
Use Safety Lights and Devices.....	10-5	Left-Hand Guard.....	15-7
Use Seat Belts.....	10-6	Grain Tank Cleanout Doors	15-7
Transport Combine With Header Safely.....	10-6	Hydraulic Oil and Gas Under Pressure	15-8
Prevent Machine Runaway or		Accumulator.....	15-8
Unexpected Movement.....	10-6	Chopper.....	15-8
Practice Safe Maintenance.....	10-7	Chopper or Spreader Lock-Out Pins	15-9
Prevent Machine Damage When Welding.....	10-7	Rotary Screen and Radiator Fan.....	15-9
Remove Paint Before Welding or Heating.....	10-7	Rear Access Ladder and Service Platform.....	15-9
Avoid Heating Near Pressurized Fluid Lines	10-8	Grain Tank	15-10
Avoid Contact With Moving Parts.....	10-8	Battery Box.....	15-10
Cleaning Grain Tank and Removal of		Clean Grain Elevator	15-10
Blockages Safely.....	10-8	Stone Trap.....	15-11
Replace Safety Signs	10-9	Feeder Conveyor Drive Guard	15-11
Avoid High-Pressure Fluids	10-9	Dual Wheels	15-11
Service Accumulator Systems Safely.....	10-9	Starter.....	15-12
Protect Against High Pressure Spray	10-10	Radiator Cooling System.....	15-12
Dispose of Waste Properly	10-10	Controls and Instruments	
Service Cooling System Safely	10-10	General View of Controls and Instruments.....	20-1
Remove Accumulated Crop Debris	10-11	Overhead Control Panel	
Support Machine Properly	10-11	CLIMATRAK Automatic Temperature Control	25-1
Service Drive Belts Safely	10-11	Windshield Wiper/Windshield Washer Switch	25-1
Service Tires Safely.....	10-12	Antenna	25-2
Prevent Battery Explosions	10-12	Communications/CB Radio Mounting.....	25-2
Safety Sign Location			
Pictorial Safety Signs.....	15-1	CommandCenter Display Indicators	
Operator's Manual.....	15-1	CommandCenter Display Warning Indicators	30-1
Repair and Maintenance	15-1	Informational Display Warnings.....	30-2
Parking Brake.....	15-2		

Continued on next page

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

COPYRIGHT © 2013
DEERE & COMPANY
European Office Mannheim
All rights reserved.
A John Deere ILLUSTRATION © Manual

Page	Page
CommandCenter Display Screens	
CommandCenter Display	35-1
CommandCenter Display Icon Identification	35-3
Home Pages	35-6
Manual Recording ON/OFF	35-7
Reconfigure Detail Machine Settings Page	35-8
Harvesting Information Pages	35-9
Select Yield Wet or Dry and Cut Width Change	35-12
Clear Distance Area Counter or Weight and Moisture Counter	35-13
Clear Field Totals/Print Field Totals	35-14
Clear Crop Totals/Print Crop Totals	35-15
Setup Pages	35-16
Automatic Combine Adjust (ACA) Crop Settings	35-19
Change Machine Settings	35-20
Change Crop and Seed Sensitivity Size	35-22
Choose Existing Farm/Field or Name New Farm/Field	35-23
Delete Existing Farm/Field Name	35-26
Change Header Settings	35-27
Change Moisture Settings and Yield Units	35-29
Payable Moisture and Density Chart	35-31
Standard Weights Chart	35-31
Harvest Smart Feed Rate (Optional)	35-32
Diagnostics and Calibration Pages	35-32
Backlight Level Control and Boundary Box Color	35-33
Regional Settings, Time/Date Settings, Units of Measurement	35-35
Diagnostic Readings, Tests, About	35-38
User Interface Module (UIM)	35-40
Message Center	35-42
CommandTouch Armrest Console	
Switch and Knob Colors	40-1
Armrest Console Controls	40-2
Header Engage and Feeder House Reverser Switch (Yellow)	40-3
Shifting Feeder House Reverser	40-3
Separator Engage Switch (Yellow)	40-4
Automatic Self-Leveling Shoe Switch (Black) (Optional)	40-4
Setpoint Modes (Manual or Automatic)	40-5
Cutterbar Pressure Adjust Switch (Black)	40-6
Header Height/HydraFlex™ Pressure Control Dial (Black)	40-6
Manual Self-Leveling Shoe Switch (Black) (Optional)	40-7
Feeder House Rate/Sensitivity Adjust Switch (Black)	40-7
Road Transport Disconnect Switch (Black)	40-8
Threshing Clearance Adjust Switch (Black)	40-8
Threshing Speed Adjust Switch (Black)	40-9
Cleaning Fan Speed Adjust Switch (Black)	40-9
Dial-A-Speed Dial (Black)	40-10
Harvest Smart Feed Rate Enable Switch (Black) (Optional)	40-11
Chaffer Adjust Switch (Black) (Optional)	40-12
Sieve Adjust Switch (Optional) (Black)	40-12
Engine Speed Switches (Orange)	40-12
Operator Interface Controls	40-13
Spreader Speed Adjust Switch (Black)	40-13
Four Wheel Drive Switches (Orange) (Optional)	40-14
Multifunction Control Handle (Orange)	40-14
Multifunction Control Handle and Palm Adjustment	40-15
Quick Stop Switch (Yellow)	40-15
Air Compressor Switch (Black)	40-16
Unloading Auger Swing Switch (Black)	40-16
Unloading Auger Drive Switch (Yellow)	40-17
Header Raise/Lower Switch (Black)	40-18
Contour-Master Tilt Switch (Black)	40-18
Platform Reel Lift/Reel Fore and Aft Switch (Black)	40-19
Corn Head Backshaft Speed/Ad- justable Deck Plate Spacing Switch (Black)	40-19
Header Activation Buttons (Black)	40-20
CommandTouch Cab Cornerpost	
CommandTouch Cab Cornerpost	45-1
Active Header Control Display	45-2
Description of Automatic Header Height Control System	45-3
Header Height Resume	45-4
Header Height Sensing	45-6
Header Height Sensing—HydraFlex Platforms ..	45-8
Dial-A-Speed System	45-10
Contour-Master System	45-13
Active Header Float (Optional) — Rigid Platforms	45-15
Reel Position Resume/Deck Plate Position Resume	45-17
Deck Plate Position — Adjusting (Optional) ..	45-19
VisionTrak Display	45-19
VisionTrak Tailings Sensor Display	45-20
VisionTrak Tailings Sensor Display—Operational Check	45-20
VisionTrak Performance Monitor	45-21
VisionTrak Performance Monitor (General Information)	45-22
VisionTrak—Preliminary Adjustments on Machine	45-22
VisionTrak—How the Monitor Works	45-23
VisionTrak Performance Monitor— Operating ..	45-24
VisionTrak Operational Checks	45-25
Triple Tachometer Display	45-26
Triple Tachometer Digital Display Lines	45-26
Fuel Gauge	45-27
Engine Coolant Temperature Gauge	45-27
Warning Indicator Display	45-27

Continued on next page

	Page		Page
Calibration Procedures		Work Lights.....	65-6
Calibration Procedures - When to Calibrate.....	50-1	Side Finder and Grain Tank Lights.....	65-7
User Calibration Procedures.....	50-2	Cleaning Shoe Lights.....	65-7
Calibration Error Codes.....	50-2	Service Lights (Optional).....	65-8
Operator's Station		Engine Compartment Service Lights (Optional) ..	65-9
Windshield Washer Reservoir—Filling.....	55-1	Rear Residue Discharge Lights.....	65-10
Armrest Storage Box.....	55-1	Turn Signals.....	65-10
Manual Storage Location.....	55-1	Cab Interior Light.....	65-10
Emergency Exit.....	55-2	Stop Lights.....	65-11
ComfortCommand™ Operator's Seat.....	55-2	Exit Lighting.....	65-11
ComfortCommand Operator's Seat—Adjusting ..	55-3	Unloading Auger Light.....	65-11
Left-Hand Armrest and Seat Back—Adjusting ..	55-3	Feeder House	
Right-Hand Armrest and Control		Hydraulic Cylinder Safety Stop.....	70-1
Console—Adjusting.....	55-4	Feeder House Side Shields.....	70-1
Field Office™ Seat (if equipped).....	55-4	Feeder House Doors.....	70-2
Seat Belts.....	55-4	Feed Accelerator Top Access Door.....	70-2
Auxiliary Power Outlet Strip and		Feeder House Bottom Door and	
Service ADVISOR™ Diagnostic Connector ..	55-5	Feedplate Seal Support.....	70-3
GreenStar™ Display and Harvest		Stone Trap.....	70-3
Monitor/Harvest Doc™ Systems		Feeder House Fore/Aft Tilt Frame—Adjusting ..	70-4
(Attachment).....	55-5	Feeder House Conveyor Chain	
Cab Ladder.....	55-5	Links—Removing.....	70-5
Cab Ladder Positions.....	55-6	Feeder House Conveyor Chain—Adjusting.....	70-6
Cab Landing Safety Chains.....	55-6	Feeder House Drum—Height Adjustment.....	70-7
Fire Extinguisher.....	55-6	Feeder House Conveyor Speed—Changing.....	70-7
Fire Extinguisher Locations.....	55-7	Feeder House Conveyor Speed	
Washing Cab Windows, Servicing		(Optional High Speed Feeder House	
Headlights and Wiper.....	55-7	Sprocket)—Changing.....	70-9
Right-Hand Side Cab Access.....	55-8	Feeder House Conveyor Speed (Rice	
Steering Column.....	55-8	Configuration)—Changing.....	70-10
Gearshift Lever.....	55-9	Feeder House Conveyor Drive	
Manual Parking Brake.....	55-9	Chain—Adjusting.....	70-11
Brake Pedals.....	55-9	Feeder House Slip Clutch.....	70-11
Grain Tank Window/Rear Cab Window		Feeder House Top Shaft Stripper—Adjusting...	70-11
Cleaning.....	55-10	Feeder House Top Shaft Sprockets.....	70-12
Tool Box.....	55-10	Feeder House Variable Speed Drive	
CLIMATRAK Air Conditioning/Heating System		Belt—Replacing.....	70-12
CLIMATRAK Air Conditioner Servicing.....	60-1	Feeder House Variable Speed Drive	
CLIMATRAK Air Conditioning System		Belt—Adjusting.....	70-14
(General Information).....	60-2	Header Reel/Belt Pickup Pump	
CLIMATRAK Inlet Panel—Cleaning.....	60-2	Belt (Variable Speed Feeder	
CLIMATRAK Precleaner—Cleaning.....	60-2	House)—Replacing.....	70-18
CLIMATRAK Fresh Air Filter—Removing.....	60-3	Header Reel/Belt Pickup Pump	
Recirculating Filter—Removing.....	60-3	Belt (Variable Speed Feeder	
CLIMATRAK Fresh Air Filter and		House)—Adjusting.....	70-23
Recirculating Filter—Cleaning.....	60-4	Manual Tilt Indicator (Contour-Master).....	70-23
CLIMATRAK High Pressure Switch.....	60-4	Attaching Platform to Combine—9570 STS	70-24
CLIMATRAK Low Pressure Switch.....	60-4	Attaching Platform to Combine—9470 STS	70-27
Lights and Signals		Removing Header from Feeder	
Light Switches.....	65-1	House—9570 STS.....	70-29
Dimmer Switch.....	65-1	Removing Header from Feeder	
Hazard Lights.....	65-2	House—9470 STS.....	70-29
Road Lights.....	65-3	Single Point Latching—Adjusting.....	70-31
Field Lights.....	65-4	Feeder House Latching Pins (Cleanout).....	70-33
		Feeder House Manual Unlatching.....	70-33
		Shear Screw Location.....	70-33

Continued on next page

	Page		Page
Shields		Chaffer and Sieve—Measuring	80-33
Gull Wing Doors	75-1	General Purpose Chaffer 29 mm (1-1/8 in.)	80-33
Left-Hand Side Shields	75-2	Deep-Tooth Chaffer 41 mm (1-5/8 in.)	
Right-Hand Side Shields	75-4	(Attachment).....	80-34
Separator Covers	75-6	Chaffer Divider Extensions (Attachment)	80-34
Composite Panels—Cleaning.....	75-6	General Purpose Sieve 22 mm (7/8 in.)	80-34
		Sieve Round Fixed Hole (Optional).....	80-35
		Deep-Tooth Sieve 29 mm (1-1/8 in.)	
Separator		(Attachment).....	80-35
Feed Accelerator—Wing Replacing	80-1	Chaffer and Sieve Adjusting Tool Storage	80-35
Tough Crop (Rice) Feed		Chaffer or Sieve—Adjusting	80-36
Accelerator—Wing Replacing	80-2	Chaffer or Sieve Indicator—Calibration	80-37
Feed Accelerator Comb Floor Liner (Rice).....	80-2	Chaffer/Sieve Elements—Remove and	
Standard Speed High Capacity Feed		Install.....	80-38
Accelerator Belt—Replacing	80-3	Chaffer/Sieve Adjusting Switch	80-41
Feed Accelerator Belt—Adjusting.....	80-4	Chaffer/Sieve Elements—Remove and	
Feed Accelerator Slow Speed Drive		Install (Automatic Combine Adjust	
(Attachment).....	80-4	Optional).....	80-41
Feed Accelerator Speed.....	80-4	Chaffer/Sieve Elements (Self-Leveling	
Standard Speed High Capacity Feed		Shoe)—Remove and Install	80-43
Accelerator—Changing	80-5	Chaffer/Sieve Motor—Manual Adjust	
Feed Accelerator Smooth Wear Strips		(Optional)	80-48
(Attachment).....	80-5	Chaffer/Sieve Remote Shoe Adjust	
Concave Round Bar Inserts (Attachment).....	80-5	Motor (Self-Leveling Shoe)—Manual	
Concave Cover Plates (Attachment)	80-6	Adjust	80-49
Separator Grate Spacers.....	80-6	Chaffer/Sieve Tilt Motor (Self-Leveling	
Concave Sections—Remove and Install	80-6	Shoe)—Manual Adjust	80-50
Concave Leveling	80-14	Chaffer/Sieve Bay Louver Opening	
Concave Leveling—Rice	80-19	(Self-Leveling Shoe)—Fine Adjust	80-51
Posi-Torq™ Separator—Dual-Range	80-24	Clean Grain Elevator Drive Top Access Doors ..	80-51
Separator Drive Sheave Gap—Adjusting	80-24	Clean Grain Elevator Belt—Adjusting.....	80-52
Separator Variable Drive Belt—Replacing.....	80-26	Clean Grain Elevator Conveyor	
Auger Bed Dividers.....	80-26	Chain—Adjusting	80-52
Discharge Beater Belt—Adjusting	80-27	Clean Grain Elevator Perforated	
Discharge Beater Belt—Replacing	80-27	Screens (Attachment)	80-52
Rotor Discharge Paddles (Rice		Tailings Elevator Paddles	80-53
Configuration).....	80-28	Tailings Elevator Drive Belt—Adjusting	80-53
Discharge Beater—Wing Replacing	80-28	Tailings Elevator Paddle Chain—Adjusting	80-53
Discharge Beater—Wing Replacing		Upper Tailings Auger Drive Chain—Adjusting ..	80-54
(Rice Configuration)	80-28	Drive Belts—Left-Hand.....	80-54
Countershaft Right-Hand Front		Drive Belts—Right-Hand	80-55
Belt—Adjusting.....	80-29	Rotor Anti-Wrap Kit (Field Installed	
Countershaft Right-Hand Front		Attachment).....	80-55
Belt—Replacing	80-29	Threshing Elements and	
Countershaft Right-Hand Rear		Tines—Remove and Install	80-56
Belt—Adjusting.....	80-29	Threshing Element and Separator Tine	
Countershaft Right-Hand Rear		Location (Standard Configuration)	80-58
Belt—Replacing	80-30	Threshing Element and Separator Tine	
Cleaning Shoe Inspection Door.....	80-30	Location (Rice Configuration).....	80-59
Cleaning Shoe Auger Gears—Adjusting	80-30	Feed Accelerator—Unplugging	80-60
Shoe, Fan and Conveyor Auger		Separator—Unplugging	80-60
Belt—Adjusting.....	80-31	Discharge Beater—Unplugging	80-61
Shoe, Fan and Conveyor Auger			
Belt—Replacing	80-31	Chopper and Spreader	
Cleaning Fan Belt—Replacing	80-32	Chopper (General Information).....	85-1
Cleaning Fan Actuator—Adjusting	80-32	Chopper Tailboard—Adjusting.....	85-1
Slow Speed Cleaning Fan Drive (Attachment) ..	80-32	Chopper Vanes—Adjusting	85-2
Deep-Tooth Front Chaffer.....	80-33	Chopper Vanes—Factory Settings	85-3

Continued on next page

Page	Page		
Chopper Door Position	85-5	Cab Headlights—Replacing	95-9
Crop Diverter	85-5	Cab Headlights—Adjusting.....	95-9
Air Chutes.....	85-6	Safety Rules When Replacing High	
Chopper Stationary Knifebank—Adjusting	85-7	Intensity Discharge (HID) Xenon Lights	95-10
Chopper Controller Bar (Optional).....	85-7	High Intensity Discharge (Xenon)	
Chopper Stationary Knife Blades—Replacing.....	85-8	Lights (Optional)—Replacing	95-10
Chopper Blades—Replacing and		High Intensity Discharge (Xenon)	
Configuration.....	85-9	Lights (Optional)—Adjusting	95-11
Chopper Blades—Centering.....	85-12	Front Warning Light, Road Light, Field	
Chopper—Lowering.....	85-14	Light—Replacing.....	95-12
Chopper Drive Speeds—Changing	85-15	Rear Discharge Lights, Auxiliary Field	
Chopper Drive Belt Tension—Adjusting	85-17	Lights, Access Door Work Lights,	
Chopper Belt—Replacing	85-17	Stubble Lights, Grain Tank and	
Chopper to Windrow/Service Position	85-19	Unloading Auger Light—Replacing	95-13
Spreader (General Information).....	85-20	Side Finder Light—Replacing.....	95-13
Spreader—Operating	85-21	Cleaning Shoe Light—Replacing.....	95-13
Spreader to Windrow Position	85-21	Warning Lights—Replacing	95-14
Spreader—Lowering.....	85-23	Tail Light, Warning (Flasher) Light and	
Spreader Disc Assemblies	85-24	Side Lights—Replacing.....	95-14
Spreader Blade—Replacing	85-24	Turn Signal Indicator Lights—Replacing	95-14
		Cab Interior Light—Replacing	95-15
Grain Tank and Unloading System		Diagnostic Trouble Codes	
Warning Notice Regarding 9570 STS		Accessing Diagnostic Trouble Code Menu.....	
Grain Tank Extensions		100-1	
Grain Tank Cover Installation (9470 STS).....		Diagnostic Trouble Code Priorities	
90-1		100-3	
Grain Tank Cover (9570 STS).....		Diagnostic Trouble Codes - ADU -	
90-9		Armrest Display Unit	
Grain Tank/Engine Ladder.....		100-4	
Grain Tank Drain Holes		Diagnostic Trouble Codes - CAB -	
90-12		Control Unit CAB and Cab Power Module ...	
Grain Tank Sample Trough.....		100-5	
Grain Tank Full Indicator.....		Diagnostic Trouble Codes - CDU -	
90-13		Cornerpost Display Unit	
Grain Tank Cross Auger Covers.....		100-9	
Unloading Auger Drive Shear Bolt.....		Diagnostic Trouble Codes - ECU -	
90-15		Engine Control Unit.....	
Grain Tank Loading Auger Deflector		100-10	
90-15		Diagnostic Trouble Codes - LC1 -	
Grain Tank Loading Auger—Folding		Control Unit LC1 and Left Power	
90-16		Module 1	
Unloading Auger Drive Chain—Adjusting.....		100-14	
90-16		Diagnostic Trouble Codes - LC2 -	
Unloading Auger Support Stud—Adjusting		Control Unit LC2 and Left Power	
90-17		Module 2	
Unloading Auger Swing Cylinder		100-21	
Eyebolt—Adjusting		Diagnostic Trouble Codes - RCU -	
90-17		Control Unit RCU and Right Power	
Unloading Auger Drive Belt—Replacing.....		Module	
90-18		100-24	
Service - Electrical System		Diagnostic Trouble Codes - SFC -	
Basic Electrical Component Handling		Control Unit SFC (If Equipped)	
/ Precautions for Vehicles Equipped		100-28	
with Computer Controlled Systems.....		Diagnostic Trouble Codes - SSU -	
95-1		Control Unit SSU (If Equipped)	
Prevent Battery Explosions		100-29	
95-1		Diagnostic Trouble Codes - SSU - Last	
Battery Cables—Connecting		Exit Codes (If Equipped)	
95-2		100-31	
Batteries—Charging		Diagnostic Trouble Codes - VCM -	
95-2		Control Unit VCM (If Equipped).....	
Batteries—Connecting Booster		100-33	
95-2		Diagnostic Trouble Codes - HMM -	
Batteries—Removing and Installing		Moisture Sensor	
95-2		100-35	
Battery Disconnect Switch.....			
95-4		Hydraulic System	
Starter.....		Hydraulic System (General Information)	
95-4		105-1	
Alternator and Voltage Regulator		Hydraulic System Cleanliness.....	
95-4		105-1	
Header Drive Electromagnetic Clutch		Accumulator.....	
95-5		105-2	
Fuse Center.....			
95-6			
Controller and Power Module Locations.....			
95-7			
System Wakeup Power Fuse			
95-8			
Safety Rules When Replacing Halogen Bulbs ...			
95-8			
Replacing Bulbs.....			
95-8			

Continued on next page

Page	Page		
Valve for Raising/Lowering Header (Proportional Valve).....	105-2	Hot Weather Operation.....	125-5
Hydraulic Pressure Diagnostic Ports and Control Scheme	105-3	Service - Engine	
Feeder House Reverser Valve and Reverser Housing	105-3	Rear Ladder and Landing	130-1
Ground Drive and Rear Axle		Engine Access Covers	130-1
Service Tires Safely.....	110-1	Cleaning Engine Compartment	130-1
Changing Tire Radius.....	110-1	Belt Shield	130-2
Care and Service of Tires.....	110-2	Do Not Modify Engine Power or Fuel/Air System.....	130-2
Front and Rear Tire Information	110-2	Fuel System.....	130-2
Using Liquid Weight.....	110-3	Check Engine Oil.....	130-3
Tire Loading Decal	110-3	Fuel Tank—Filling.....	130-4
Drive Wheel Starter Stud.....	110-3	Fuel Tank—Draining	130-4
Rear Wheel Bolt Torque	110-4	Primary Fuel/Water Separator Filter—Draining	130-5
Drive Wheel Bolt Torque.....	110-4	Fuel Precleaner Filter—Cleaning	130-6
Dual Wheels Bolt Torque.....	110-5	Primary Fuel/Water Separator and Secondary Fuel Filter—Replacing (9570 STS).....	130-7
Front Drive Wheel Offset.....	110-6	Primary Fuel/Water Separator and Secondary Fuel Filter—Replacing (9470 STS).....	130-8
Preparing Dual Wheels for Transport or Service	110-6	Fuel System—Bleeding	130-10
Remove Front Wheels—Dual Wheels.....	110-7	Cooling System—Draining	130-10
Install Front Wheels—Dual Wheels.....	110-9	Cooling System—Filling	130-11
Single Attach Wide Spaced Dual Wheels (Optional)	110-11	Cooling System—Winterize.....	130-11
Harvest Smart Feed Rate Displacement Control Valve—Adjusting (Optional)	110-12	Engine Belt—Routing	130-12
Multifunction Control Handle Linkage—Adjusting	110-12	Engine Accessory/Fan Drive Belt—Replacing	130-12
Gearshift Linkage—Adjusting.....	110-13	Rotary Screen Belt—Routing	130-14
Brake Fluid Reservoir.....	110-13	Rotary Screen Drive Belt—Replacing	130-14
Jacking Locations.....	110-14	Rotary Screen, Oil Cooler, Condenser, Radiator and Charge Air Cooler—Cleaning	130-14
Jack Pocket Location Decal	110-14	Rotary Screen Brush—Adjustment.....	130-15
Break-In Service		Air Cleaner Filters—Removing	130-16
Breaking-In Engine.....	115-1	Inspecting Element.....	130-16
Belt Drives Adjustment - First 50 Hours	115-2	Air Compressor Operation.....	130-17
Break-In Check First 100 Hours	115-2	Transporting	
Break-In Check After 100 Hours.....	115-3	Driving Machine on Roads	135-1
Prestarting Checks		Back-Up Alarm	135-3
Engine Oil Level	120-1	Transporting Machine on a Trailer.....	135-4
Hydrostatic/Hydraulic Oil Level.....	120-2	Machine Tie Down Location Decal	135-9
Coolant Level - Type A	120-2	Towing Machine.....	135-9
Coolant Level - Type B	120-3	Rear Tow Hook.....	135-10
Fuel System.....	120-4	Harvesting Hints	
Fuel Tank Breather	120-5	Choice of Harvesting Time	140-1
Engine Air Scoop.....	120-5	Harvesting Tips.....	140-1
Cleaning Engine Compartment	120-5	Crop Settings	
After Long Storage Period	120-6	Crop Settings and Configuration Recommendations	145-1
Tires.....	120-6	Machine Performance Check	145-4
Operating the Engine		Power Shutdown Procedure.....	145-4
Starting the Engine.....	125-1		
Stopping the Engine	125-3		
Cold Weather Operation.....	125-3		

Continued on next page

Page	Page
Harvest Smart™ Feed Rate (Optional)	
Harvest Smart Feed Rate—Operating Safely (If Equipped).....	150-1
Harvest Smart Feed Rate—Description	150-1
Harvest Smart Feed Rate—Smart Mode.....	150-1
Harvest Smart Feed Rate—Capacity Mode	150-2
Harvest Smart Feed Rate—Initial Calibration... ..	150-3
Harvest Smart Feed Rate—Operation	150-4
Harvest Smart Feed Rate—Additional Information (Unloading Auger ON and Field Conditions)	150-6
Harvest Smart Feed Rate—Best Practices	150-7
Harvest Smart Feed Rate—System Adjustments	150-8
Harvest Smart Feed Rate Control—System and Field Symptoms	150-10
Harvest Smart Feed Rate Troubleshooting	150-11
Harvest Smart Feed Rate Limp and Emergency Modes	150-12
GreenStar™ Component Location	
GreenStar Display (If Equipped).....	155-1
Moisture Sensor and Mass Flow Sensor.....	155-1
Fire Prevention	
Recommended Fire Preventions	160-1
Fire Extinguisher Operation.....	160-1
Handle Fuel Safely—Avoid Fires.....	160-2
Prepare for Emergencies.....	160-2
Handle Starting Fluid Safely	160-2
Remove Accumulated Crop Debris	160-3
Fire Extinguisher.....	160-3
Fire Extinguisher Locations	160-4
In Case of Fire	160-4
Cleaning Engine Compartment	160-5
Machine Cleanout	
Cleaning Out Machine.....	165-1
Fuels and Lubricants	
Handle Fuel Safely—Avoid Fires.....	170-1
Handling and Storing Diesel Fuel.....	170-1
Diesel Fuel.....	170-2
Biodiesel Fuel.....	170-3
Lubricity of Diesel Fuel	170-4
Testing Diesel Fuel	170-4
Minimizing the Effect of Cold Weather on Diesel Engines	170-5
Heavy Duty Diesel Engine Coolant	170-6
Operating in Warm Temperature Climates	170-6
Supplemental Coolant Additives.....	170-7
Additional Information About Diesel Engine Coolants and John Deere LIQUID COOLANT CONDITIONER.....	170-8
Testing Diesel Engine Coolant.....	170-9
Diesel Engine Break-In Oil	170-10
Diesel Engine Oil	170-11
Diesel Engine Oil and Filter Service Intervals.....	170-12
Oilscan™ and CoolScan™	170-13
Hydrostatic Drive System, Main Hydraulic System and Main Engine Gearcase Oils	170-13
Transmission, Final Drives, Loading Auger, Primary Countershaft and Two-Speed Separator Drive Gearcases	170-14
Feeder House Reverser Gearcase.....	170-15
Grease.....	170-15
Brake Fluid	170-15
Oil Filters	170-16
Lubricant Storage	170-16
Alternative and Synthetic Lubricants	170-16
Mixing of Lubricants.....	170-16
Lubrication and Maintenance	
Service Intervals—Clearing or Delaying.....	175-1
Lubrication Decal Locations	175-2
Hydraulic Hose Replacement.....	175-2
Lubrication Symbols	175-3
Maintenance of Filters	175-3
Every 10 Hours.....	175-5
Every 10 Hours.....	175-6
Every 50 Hours.....	175-7
Every 50 Hours.....	175-8
Every 50 Hours.....	175-10
First 100 Hours.....	175-12
Every 100 Hours.....	175-13
Every 200 Hours.....	175-14
Every 200 Hours.....	175-15
Every 250 Hours.....	175-16
Every 400 Hours.....	175-17
Every 400 Hours.....	175-19
Every 400 Hours.....	175-21
Every 400 Hours.....	175-23
Every 400 Hours.....	175-24
Every 400 Hours.....	175-25
Every 400 Hours.....	175-26
Every 2000 Hours.....	175-27
Every 2000 Hours or Six Years	175-29
As Required.....	175-30
Compressed Air System Service and Maintenance.....	175-31
4500 Hours or Five Years	175-32
Care and Maintenance of Belts	175-32
Cleaning Machine.....	175-33
Troubleshooting	
Feeder House.....	180-1
Separator.....	180-2
Hydrostatic Ground Drive	180-5
Four Wheel Drive (Optional).....	180-7
Steering	180-7
Brakes	180-8
Engine	180-9

Continued on next page

	Page
Heater.....	180-12
Air Conditioner.....	180-13
Moisture Sensor (If Equipped).....	180-14
Mass Flow Sensor (If Equipped).....	180-14
GreenStar Display (If Equipped).....	180-15

Storage

Preparing Machine for Storage.....	185-1
Removing Machine From Storage.....	185-1

Specifications

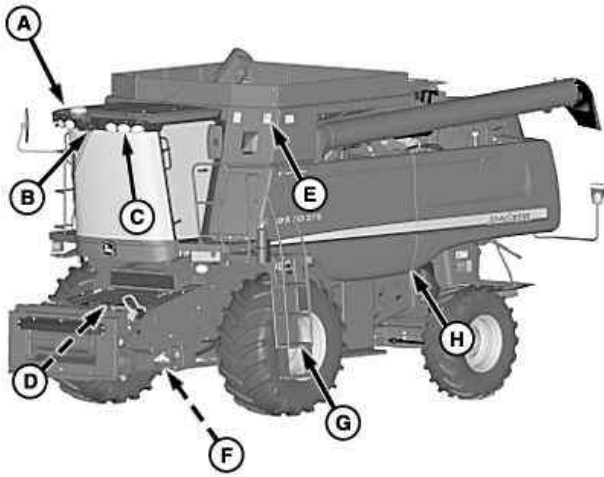
Operating Speeds.....	190-1
Specifications.....	190-3
Dimensions — 9470 STS and 9570	
STS Combines.....	190-5
Dimension Reference Points.....	190-6
Unified Inch Bolt and Screw Torque Values.....	190-7
Metric Bolt and Screw Torque Values.....	190-8

Machine Identification Numbers

Identification Plates.....	195-1
Machine Identification Number.....	195-1
Engine Serial Number.....	195-1
Hydrostatic Drive Unit Pump.....	195-1
Hydrostatic Drive Unit Motor.....	195-2
Two Speed Four Wheel Drive Motor.....	195-2
Engine Gearcase.....	195-2
Rotor Drive Gearcase.....	195-3
Transmission.....	195-3
Feeder House Reverser.....	195-3
Keep Proof of Ownership.....	195-4
Keep Machines Secure.....	195-4

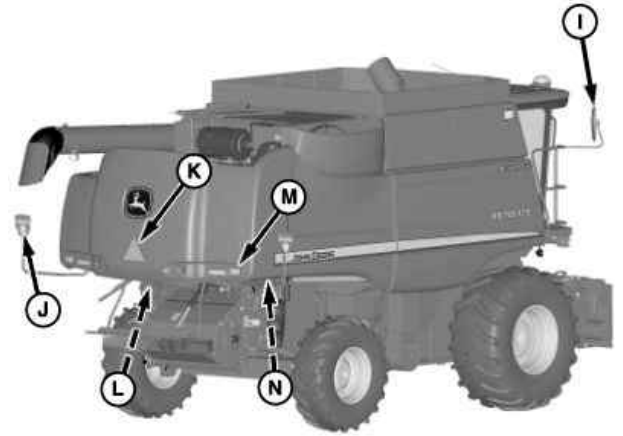
Safety Features

Machine Safety Features



Front View Safety Features

- | | |
|--|--|
| <p>A—Cab Safety Features:
Operator's Presence System,
Electronic Engine Start
Lockout, Seat Belts, Horn,
Emergency Exit Window,
Parking Brake, Turn Signals</p> | <p>B—Hand Holds
C—Head Lights
D—Slip Resistant Skid Mats
E—Safety Signs
F—Mechanical Safety Stop
(Feeder House)
G—Slip Resistant Steps and
Platform with Handrails</p> |
|--|--|



Rear View Safety Features

- | | |
|--|--|
| <p>H—Shields
I—Rear View Mirrors
J—Warning Lights and Reflective
Tape
K—Slow Moving Vehicle Emblem
L—Back-Up Alarm
M—Tail Lights</p> | <p>N—Slip Resistant Service
Platform with Handrails</p> |
|--|--|

In addition to the safety features shown here, other components and systems, safety lights on the machine, and safety messages and instructions in the operator's

manual contribute to the safe operation of this machine when combined with the care and concern of a capable operator.

OUO6075.000057F -19-25JUN08-1/1

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.



TS1389 —JUN—07DEC88

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

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.



TS187 —19—30SEP88

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

Follow Safety Instructions

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

There can be additional safety information contained on parts and components sourced from suppliers that is not reproduced in this operator's manual.

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.



TS201 —JUN—23AUG88

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

DX,READ -19-16JUN09-1/1

Driving the Machine

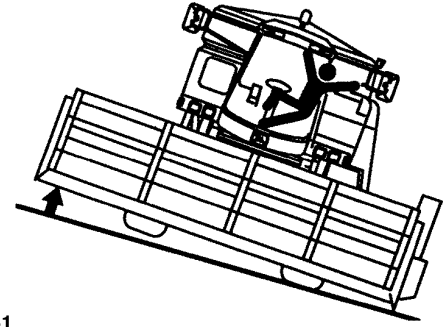
Operate machine only when all guards are correctly installed.

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.

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

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



ZX002461

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.

OUO6075,0000AB7 -19-21FEB07-1/1

ZX002461—UN—16JUN95

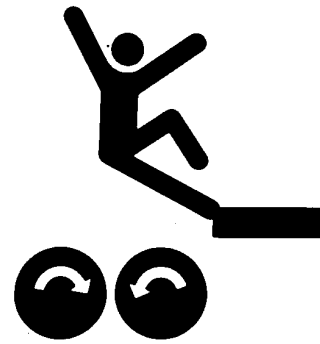
Keep Riders and Children Off Machine

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.



HX,AG,SF6904 -19-22JUL99-1/1

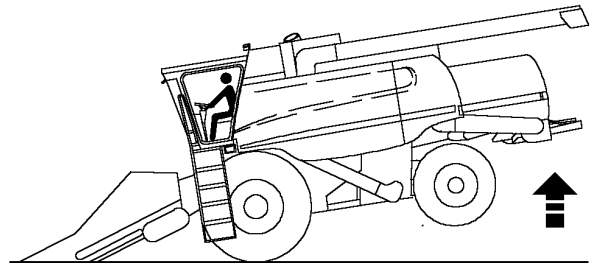
TS263—UN—23AUG88

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.



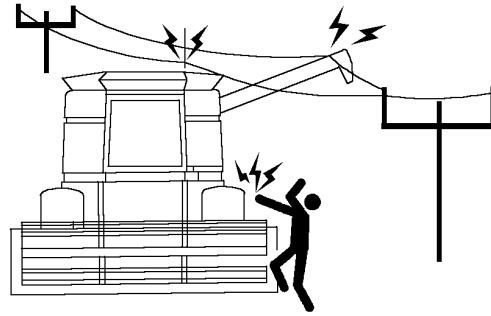
HX,AG,SF6782 -19-05FEB99-1/1

H51907—UN—10FEB99

Avoid Electrical Power Lines

Put the grain tank unloading auger in transport position and lower the grain tank access handrail 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.



H62022 — UN — 14APR99

HX,STSSA,D -19-22JUL99-1/1

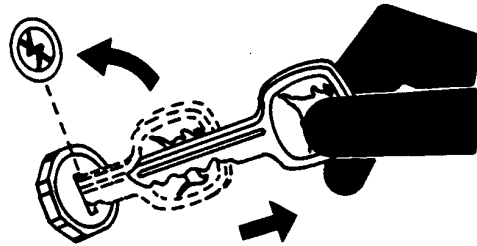
Parking and Leaving the Machine

Lower harvesting unit to the ground.

Before leaving machine, disengage harvesting unit and separator. Shut off engine and move multifunction control handle to neutral position. Apply parking brake, remove key and lock the operator's cab.

Never leave machine unattended as long as engine is running.

Never leave the operator's cab when driving.



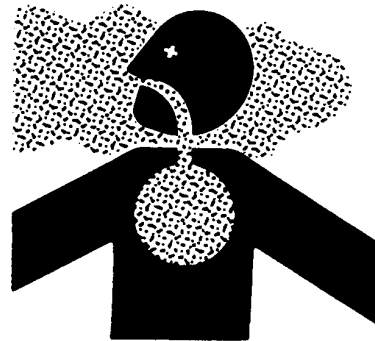
TS230 — UN — 24MAY89

OUC6075,0000ABB -19-21FEB07-1/1

Work In Ventilated Area

Engine exhaust fumes can cause sickness or death. If it is necessary to run an engine in an enclosed area, remove the exhaust fumes from the area with an exhaust pipe extension.

If you do not have an exhaust pipe extension, open the doors and get outside air into the area.



TS220 — UN — 23AUG88

DX,AIR -19-17FEB99-1/1

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.

Use only an approved fuel container for transporting flammable liquids.

Never fill fuel container in pickup truck with plastic bed liner. Always place fuel container on ground before refueling. Touch fuel container with fuel dispenser nozzle before removing can lid. Keep fuel dispenser nozzle in contact with fuel container inlet when filling.



Do not store fuel container where there is an open flame, spark, or pilot light such as within a water heater or other appliance.

DX,FIRE1 -19-12OCT11-1/1

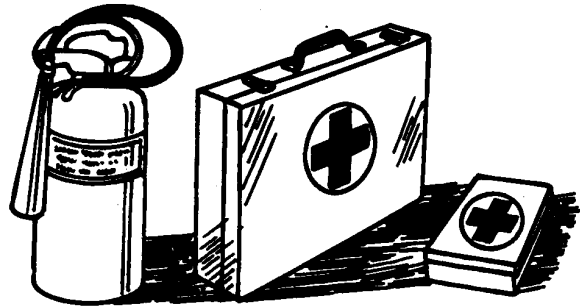
TS202 —UN—23AUG88

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.



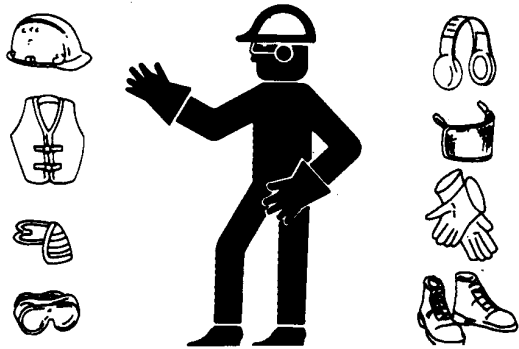
DX,FIRE2 -19-03MAR93-1/1

TS291 —UN—23AUG88

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 -19-03MAR93-1/1

TS206 —UN—23AUG88

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, set parking and remove key before servicing or unlogging machine.



ES118704 —UN—21MAR98

OOU6075,00014F4 -19-21FEB01-1/1

Keep Hands Away From Knives

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

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



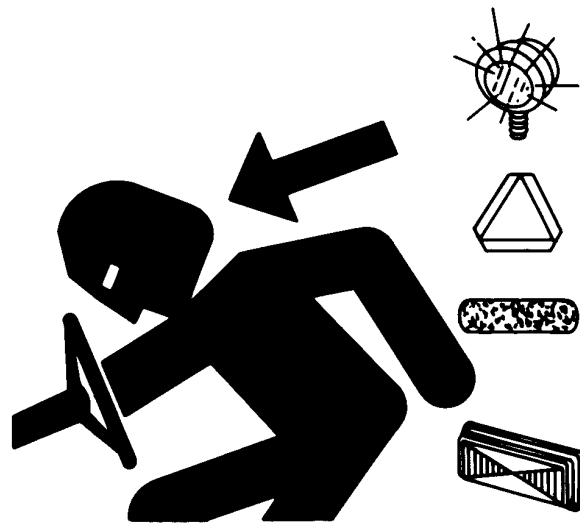
TS254 —UN—23AUG88

H1,90000SA,D -19-09MAY02-1/1

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.

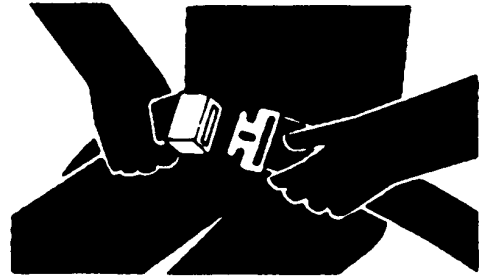


TS951 —UN—12APR90

HX,STSSA,O -19-22JUL99-1/1

Use Seat Belts

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



H47137

H47137 —UN—25OCT95

HX,STSSA,I -19-22JUL99-1/1

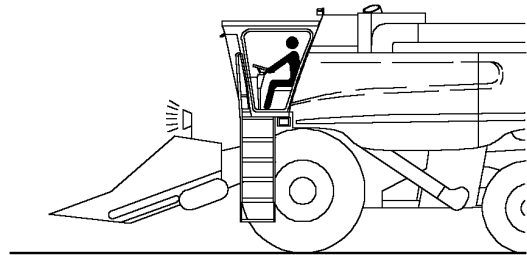
Transport Combine With Header Safely

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.



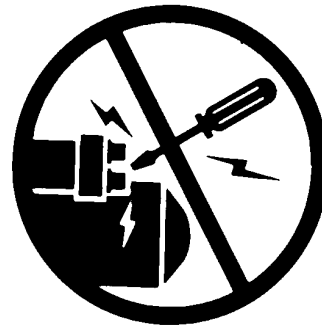
H51909 —UN—07MAY99

OOU6075.0000034 -19-22JAN01-1/1

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

AG,OOU1035,792 -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. 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.

On self-propelled equipment, disconnect battery ground cable (-) before making adjustments on electrical systems or welding on machine.

On towed implements, disconnect wiring harnesses from tractor before servicing electrical system components or welding on machine.



TSS218 —UN—23AUG88

DX,SERV -19-17FEB99-1/1

Prevent Machine Damage When Welding

To prevent damage to electronic components, be sure to disconnect the negative ground cable before welding on combine.

OUC6075.00020AC -19-09MAY02-1/1

Remove Paint Before Welding or Heating

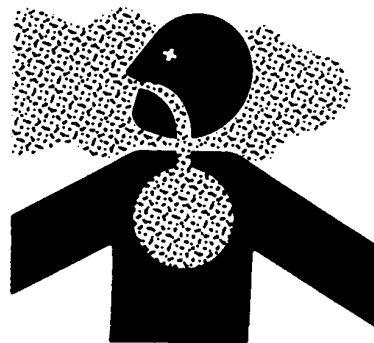
Avoid potentially toxic fumes and dust.

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

Remove paint before heating:

- Remove paint a minimum of 100 mm (4 in.) from area to be affected by heating. If paint cannot be removed, wear an approved respirator before heating or welding.
- If you sand or grind paint, avoid breathing the dust. Wear an approved respirator.
- If you use solvent or paint stripper, remove stripper with soap and water before welding. Remove solvent or paint stripper containers and other flammable material from area. Allow fumes to disperse at least 15 minutes before welding or heating.

Do not use a chlorinated solvent in areas where welding will take place.



TSS220 —UN—23AUG88

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

Dispose of paint and solvent properly.

DX,PAINT -19-24JUL02-1/1

Avoid Heating Near Pressurized Fluid Lines

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



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

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 -19-15JUN90-1/1

TS256 —UN—23AUG88

Cleaning Grain Tank and Removal of Blockages Safely

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, set parking brake 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.



OUO6043,00015E2 -19-24MAY04-1/1

TS256 —UN—23AUG88

Replace Safety Signs

Replace missing or damaged safety signs. See the machine operator's manual for correct safety sign placement.



TS201 —UN—23AUG88

DX,SIGNS1 -19-04JUN90-1/1

Avoid High-Pressure Fluids

Inspect hydraulic hoses periodically – at least once per year – for leakage, kinking, cuts, cracks, abrasion, blisters, corrosion, exposed wire braid or any other signs of wear or damage.

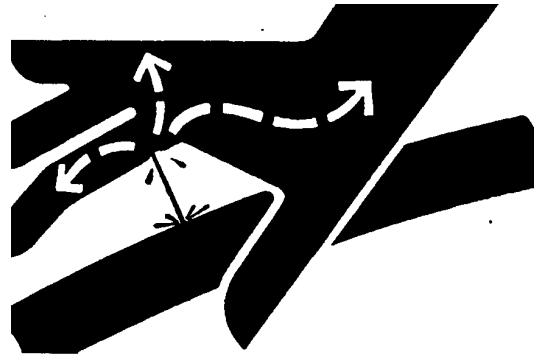
Replace worn or damaged hose assemblies immediately with John Deere approved replacement parts.

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



X9811 —UN—23AUG88

with this type of injury should reference a knowledgeable medical source. Such information is available in English from Deere & Company Medical Department in Moline, Illinois, U.S.A., by calling 1-800-822-8262 or +1 309-748-5636.

DX,FLUID -19-12OCT11-1/1

Service Accumulator Systems Safely

Escaping fluid or gas from pressurized hydraulic accumulator systems can cause serious injury. Extreme heat can cause the accumulator to burst, and pressurized lines can be accidentally cut. Do not weld or use a torch near a pressurized accumulator or pressurized line.

Relieve pressure from the hydraulic system before removing accumulator. Never attempt to relieve hydraulic system or accumulator pressure by loosening a fitting.

Accumulators cannot be repaired.



TS281 —UN—23AUG88

DX,WW,ACCLA -19-15APR03-1/1

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.



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

TS1343—UN—18MAR92

Dispose of Waste Properly

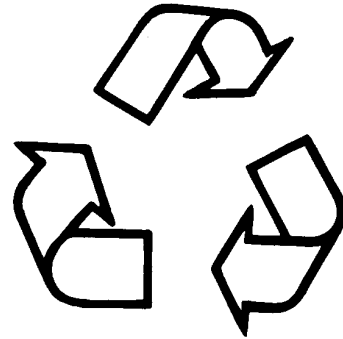
Improperly disposing of waste can threaten the environment and ecology. Potentially harmful waste used with John Deere equipment include such items as oil, fuel, coolant, brake fluid, filters, and batteries.

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 -19-03MAR93-1/1

TS1133—UN—26NOV90

Service Cooling System Safely

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

Shut off engine, set parking brake and remove key. Allow system to cool before opening cap. Slowly loosen cap to relieve pressure before removing completely.



OUC0675,0000ABC -19-21FEB07-1/1

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.



TS227 —UN—23AUG88

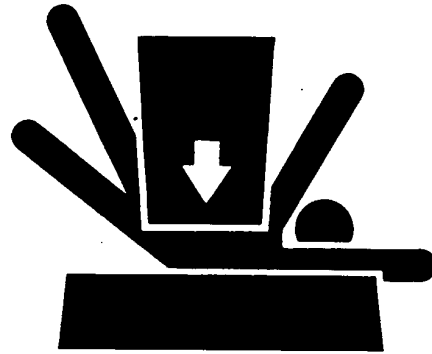
HX,9010SA,B -19-23AUG97-1/1

Support Machine Properly

Always lower the attachment or implement to the ground before you work on the machine. If the work requires that the machine or attachment be lifted, provide secure support for them. If left in a raised position, hydraulically supported devices can settle or leak down.

Do not support the machine on cinder blocks, hollow tiles, or props that may crumble under continuous load. Do not work under a machine that is supported solely by a jack. Follow recommended procedures in this manual.

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



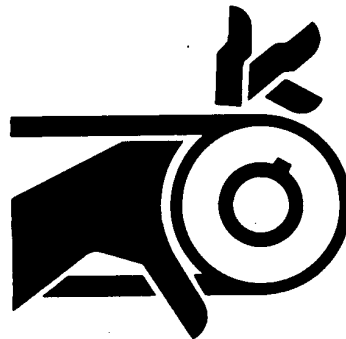
TS229 —UN—23AUG88

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

Service Drive Belts Safely

When servicing drive belts always observe these precautions:

- Avoid serious injury from hand or arm entanglement. Never attempt to clean, check or adjust belts while the machine is running. Always shut off the engine, set the parking brake and remove the key.
- Do not attempt to clean belts with flammable cleaning solvents.



TS285 —UN—23AUG88

OOU6075,00026A4 -19-06FEB03-1/1

Service Tires Safely

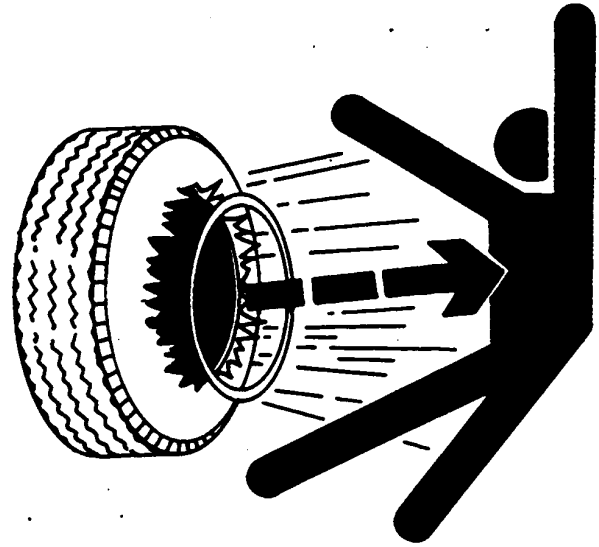
Explosive separation of a tire and rim parts can cause serious injury or death.

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

Always maintain the correct tire pressure. Do not inflate the tires above the recommended pressure. Never weld or heat a wheel and tire assembly. The heat can cause an increase in air pressure resulting in a tire explosion. Welding can structurally weaken or deform the wheel.

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

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



TS211—UN—23AUG88

DX,RIM -19-24AUG90-1/1

Prevent Battery Explosions

Keep sparks, lighted matches, and open flame away from the top of battery. Battery gas can explode.

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

Do not charge a frozen battery; it may explode. Warm battery to 16°C (60°F).



TS204—UN—23AUG88

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

Safety Sign Location

Pictorial Safety Signs

At several important places on 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.

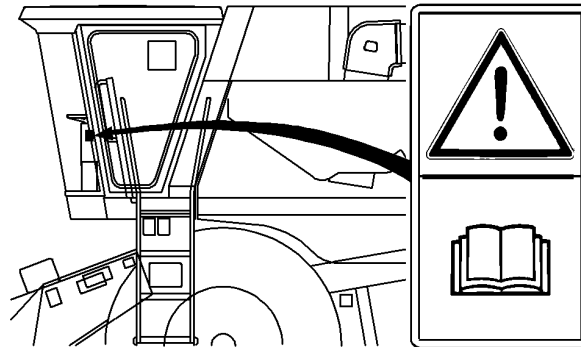


T5231 —19—07OCT88

OQO6075,0004057 -19-10AUG05-1/1

Operator's Manual

This operator's manual contains all important information necessary for safe machine operation. Carefully observe all safety rules to avoid accidents.

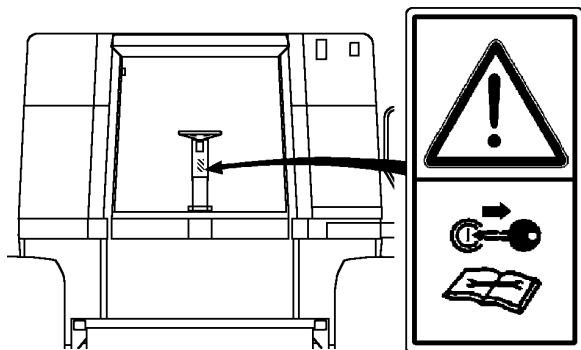


H81543 —UN—10SEP04

OQO6075,0004058 -19-10AUG05-1/1

Repair and Maintenance

Before carrying out repair and maintenance work, shut off engine, set parking brake and remove key. Refer to operator's manual for all maintenance work.



H65729 —UN—12JAN01

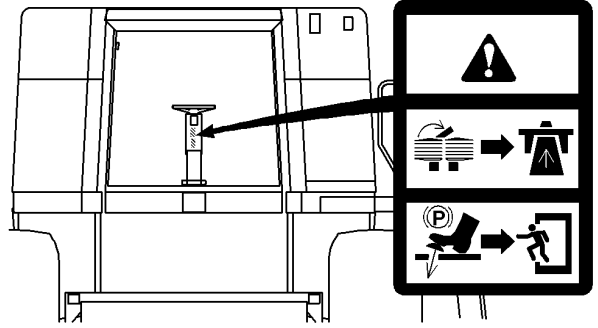
OQO6075,0004059 -19-10AUG05-1/1

Safety Sign Location

Parking Brake

Set parking brake before leaving machine.

Lock service brakes together before driving on roadway and unlock service brake when operating in the field.

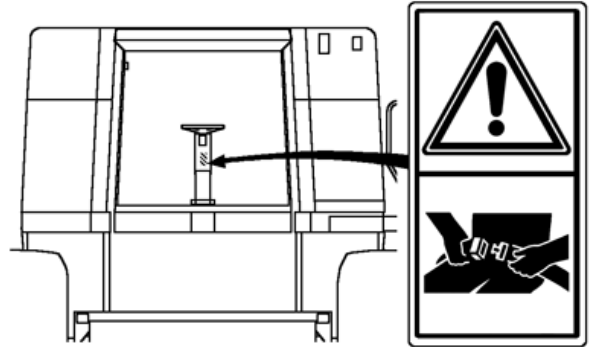


H83508 —UN—26MAY05

OOU6075,0004073 -19-10AUG05-1/1

Use Seat Belts

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

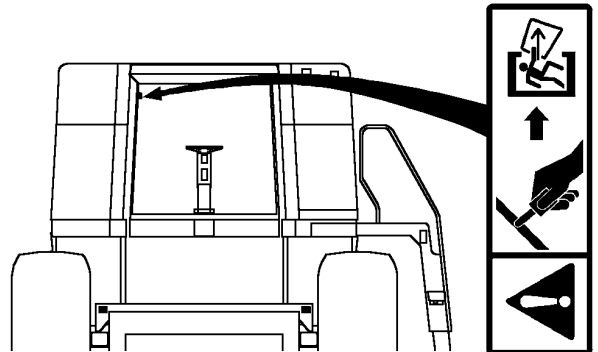


CQ283949 —UN—19FEB10

AS60558,0001847 -19-19FEB10-1/1

Emergency Exit

Emergency exit procedure. Pull tab, remove rope around window and push window outward.

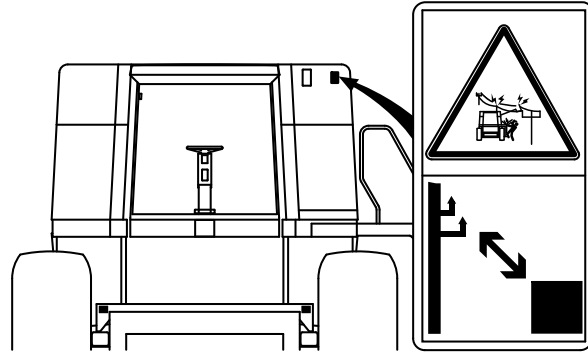


H65750 —UN—12JAN01

OOU6075,000405B -19-10AUG05-1/1

Avoid Contacting Power Lines

Avoid serious injury or death from electrocution. Do not contact electrical lines.

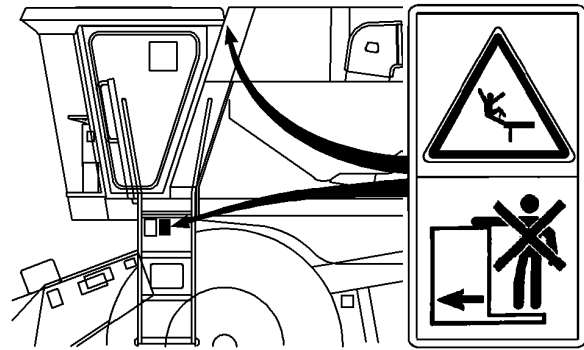


H83864—UN—12JUL05

OOU6075,000405C -19-10AUG05-1/1

Cab Access Ladder and Platform

Avoid serious injury from falling. Do not allow riders on access ladder or platform area while machine is moving.

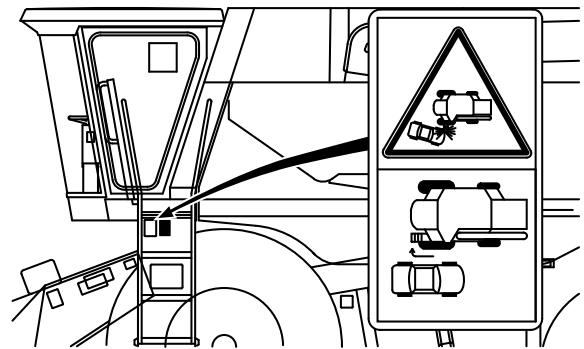


H81545—UN—10SEP04

OOU6075,000405D -19-10AUG05-1/1

Avoid Motor Collisions

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



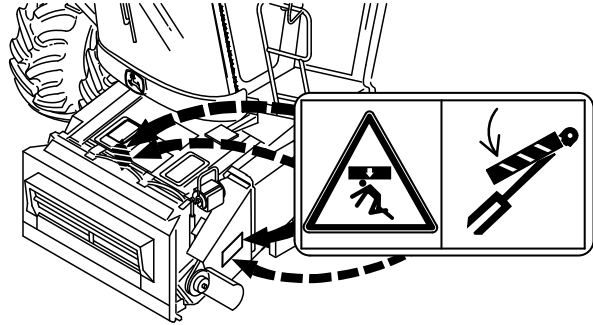
H81546—UN—10SEP04

OOU6075,000405E -19-10AUG05-1/1

Safety Sign Location

Feeder House Safety Stop

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



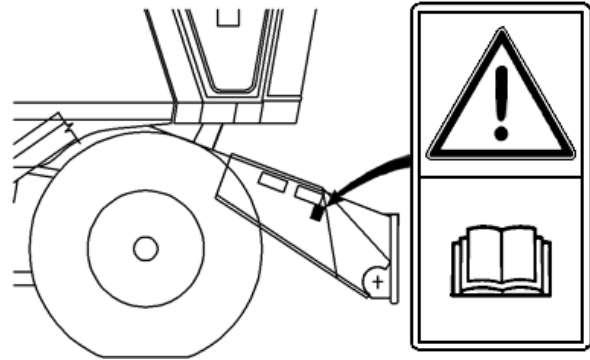
OUO6075,000405F -19-10AUG05-1/1

H83509 —UN—23JUN05

Drive Shafts Lubrication

Header must be parallel to top of feeder house when lubricating drive shafts.

For additional information about Service Intervals and Lubrication refer to “Lubrication and Maintenance” Section in this manual.

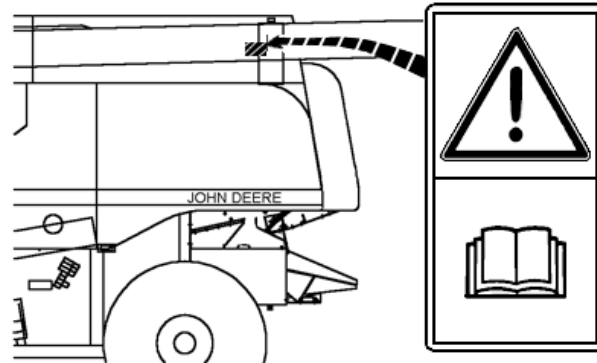


GB52027,0000B35 -19-25MAY09-1/1

CQ282812 —UN—22MAY09

Hydraulic Diagnostic Ports

Refer to the Diagnostics Tech Manual to obtain information about Hydraulic Diagnostic Ports test pressures.

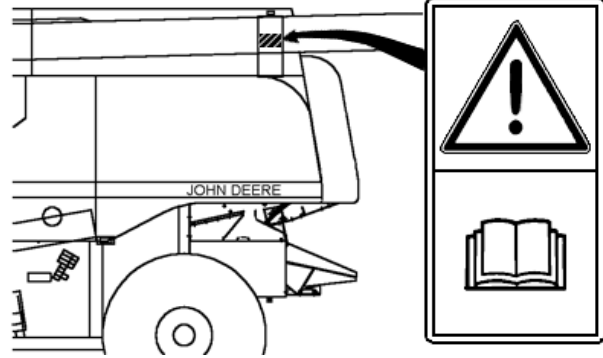


GB52027,0000B36 -19-25MAY09-1/1

CQ282817 —UN—22MAY09

Hydraulic Reservoir

Check Hydraulic oil level with the header on the ground.
Clean reservoir fill area before removing cap.
Use Hy-Gard™ or oil meeting JDM-J20C specifications only.



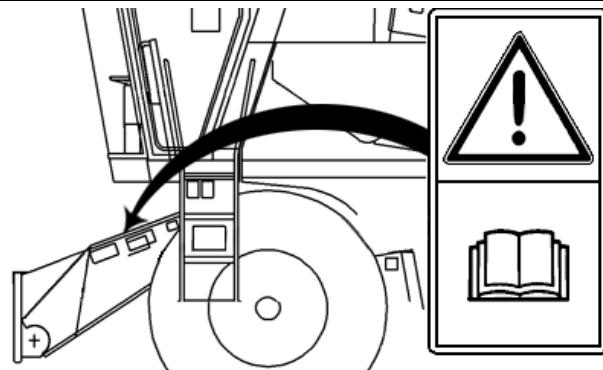
CQ282816 —UN—25MAY09

Hy-Gard is a trademark of Deere & Company

GB52027,0000B37 -19-25MAY09-1/1

Chain Tension Adjustment

Check Chain Tension (Both Sides) following the service intervals in “Lubrication and Maintenance” section.
The adjustment procedure is described on “Feeder House” Section in this manual.

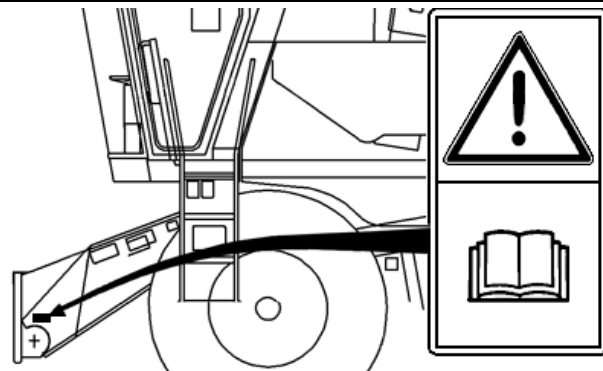


CQ282815 —UN—25MAY09

GB52027,0000B38 -19-25MAY09-1/1

Drive Shafts Lubrication

Header must be parallel to top of feeder house when lubricating drive shafts.
For additional information about Service Intervals and Lubrication refer to “Lubrication and Maintenance” Section in this manual.



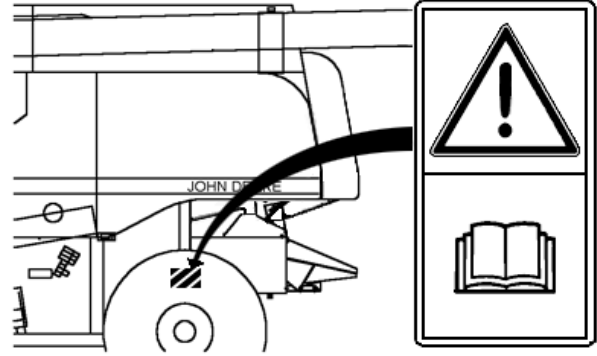
CQ282814 —UN—22MAY09

GB52027,0000B39 -19-25MAY09-1/1

Safety Sign Location

Cleaning Shoe Settings

Refer to “Crop Settings” Section to check the correct cleaning shoe settings to each type of crop.



GB52027,0000B3A -19-25MAY09-1/1

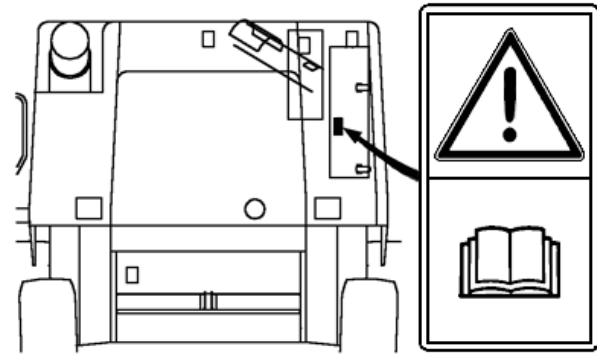
CQ282818 —UN—22MAY09

Cooling Package Cleanout

When plugging occurs, remove trash from coolers and rotary screen.

Assure that roller track, vacuum ducts and aircleaner inlet tube are free of foreign material.

See “Lubrication and Maintenance” Section to obtain information about cleaning the engine precleaner.

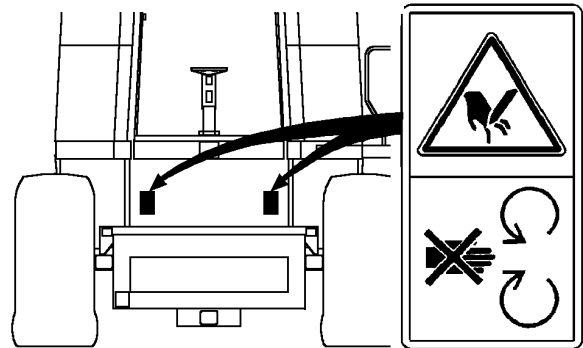


GB52027,0000B3C -19-25MAY09-1/1

CQ282813 —UN—22MAY09

Feeder House Conveyor Chain

Potential hazard caused by rotating machine parts.

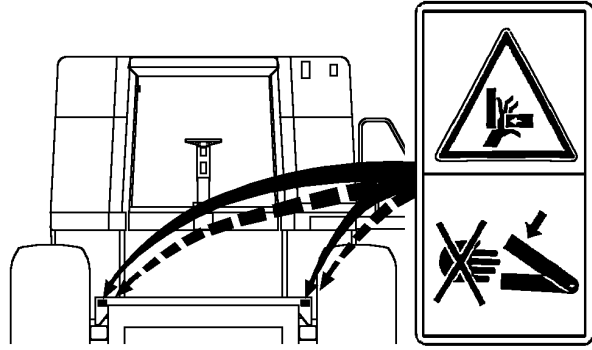


OOU6075,0004060 -19-10AUG05-1/1

H65736 —UN—12JAN01

Feeder House Tilt Frame

Header can tilt causing serious injury or death. Avoid crushing injuries. Stay clear when engine is running.

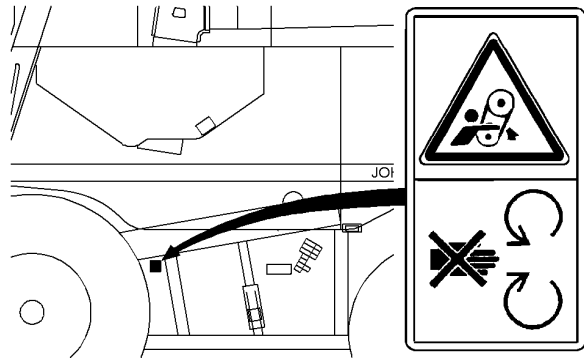


H67580 —UN—19APR01

OUC6075,0004061 -19-10AUG05-1/1

Left-Hand Guard

Avoid serious injury or death from entanglement. Never raise shield with engine running. Stop engine and remove key.

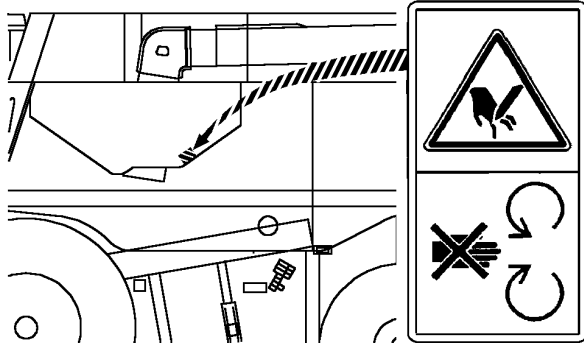


H81548 —UN—10SEP04

OUC6075,0004062 -19-10AUG05-1/1

Grain Tank Cleanout Doors

Avoid serious injury or death from entanglement. Stop engine and remove key before opening cleanout doors.



H65743 —UN—12JAN01

OUC6075,0004063 -19-23AUG07-1/1

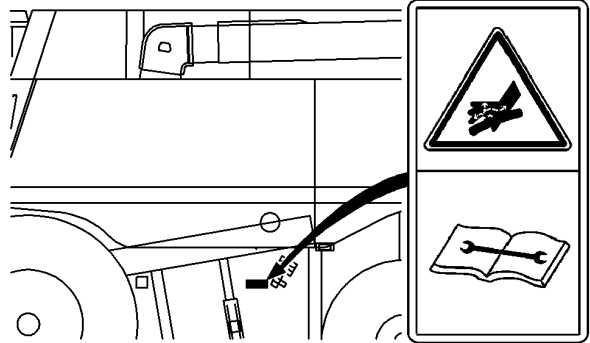
Hydraulic Oil and Gas Under Pressure

Avoid bodily injury from hydraulic oil and gas under pressure.

Before disassembling or charging accumulator, start engine and hold header height control to lower position for five seconds to relieve hydraulic pressure.

Stop engine and remove key.

Use only dry nitrogen for recharging accumulator, see your John Deere dealer.



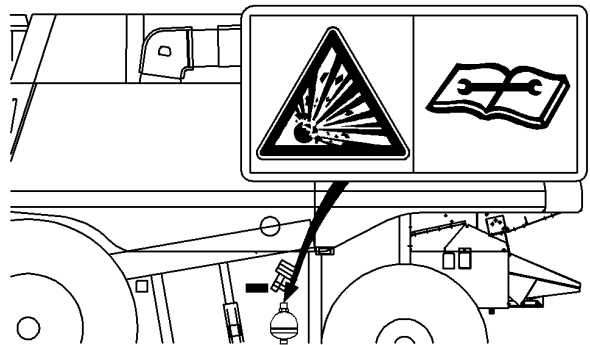
H81551—UN—10SEP04

OUC6075.0004064 -19-10AUG05-1/1

Accumulator

To prevent the risk of injury as well as possible damage to the accumulator or hydraulic system, maintain recommended nitrogen gas pressure.

Charge only with dry nitrogen, Rated working pressure is 21,500 kPa (3120 psi), see your John Deere dealer.



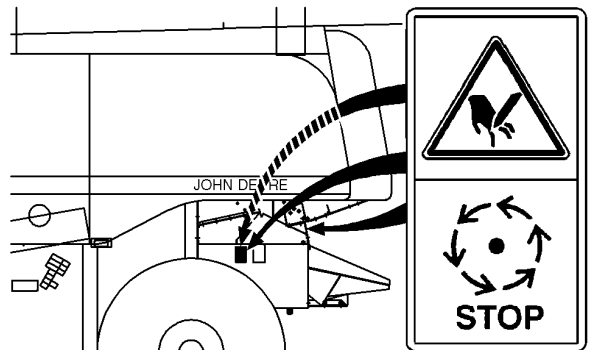
H81552—UN—10SEP04

OUC6075.0004065 -19-10AUG05-1/1

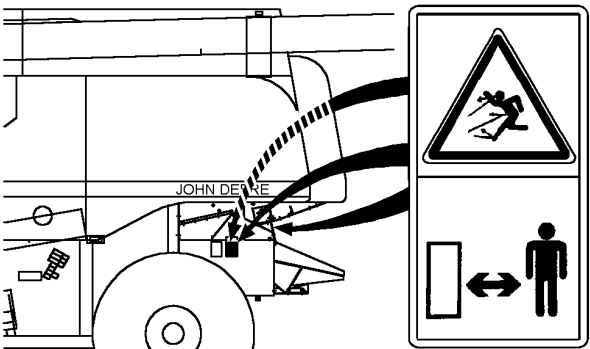
Chopper

Do not touch any moving machine parts. Wait until all moving parts have stopped.

Avoid serious injury from thrown objects. Stay clear while engine is running.



H78572—UN—01OCT03

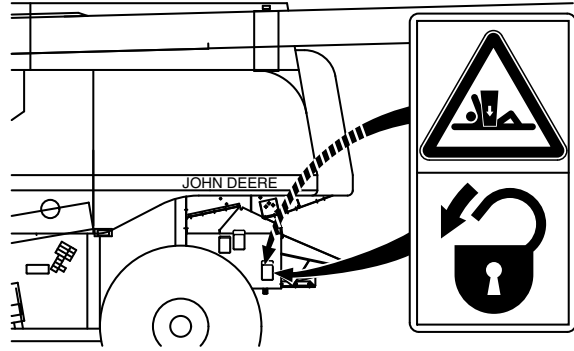


H65741—UN—12JAN01

OUC6075.0004066 -19-10AUG05-1/1

Chopper or Spreader Lock-Out Pins

Avoid serious injury or death from crushing. Before performing service or maintenance on raised chopper or spreader, fully insert lock-out pins into place.

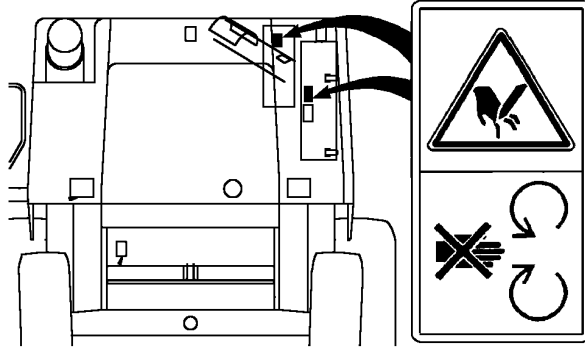


H81840 —UN—14OCT04

OOU6075,0004067 -19-10AUG05-1/1

Rotary Screen and Radiator Fan

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

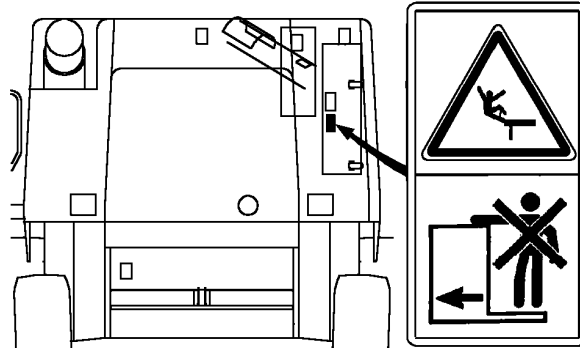


H65746 —UN—12JAN01

OOU6075,0004068 -19-10AUG05-1/1

Rear Access Ladder and Service Platform

Avoid serious injury from falling. Do not ride ladder while machine is moving.



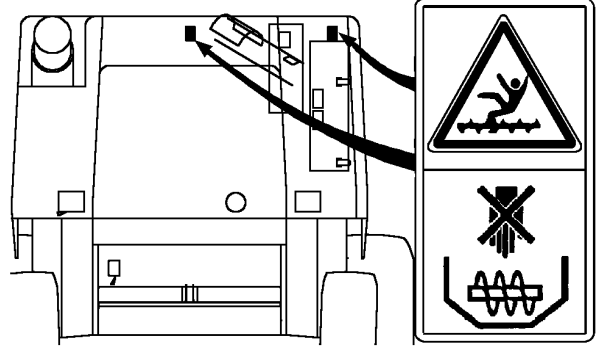
H65731 —UN—12JAN01

OOU6075,0004069 -19-10AUG05-1/1

Safety Sign Location

Grain Tank

Avoid serious injury or death from entanglement. Do not enter grain tank area when engine is running.

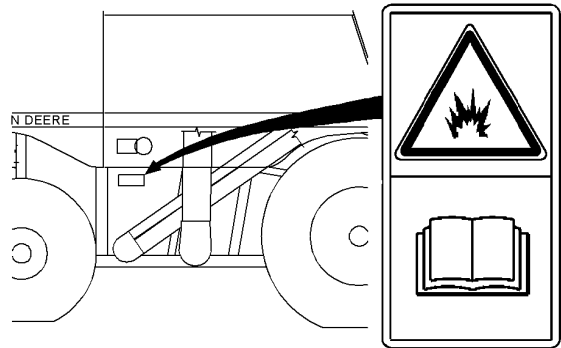


H85733 —UN—12JAN01

OUO6075,000406A -19-10AUG05-1/1

Battery Box

Avoid serious injury or death from explosion. High levels of hydrogen gas can accumulate if battery box is not vented properly. Always reinstall vent tubes after performing service or maintenance on batteries or battery box.

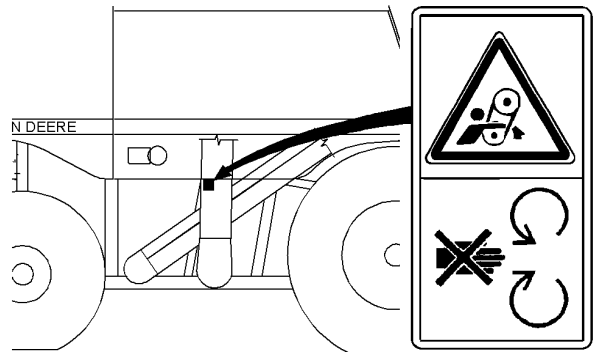


H83510 —UN—26MAY05

OUO6075,0004072 -19-10AUG05-1/1

Clean Grain Elevator

Avoid serious injury or death from entanglement. Never raise shield with engine running. Stop engine and remove key.



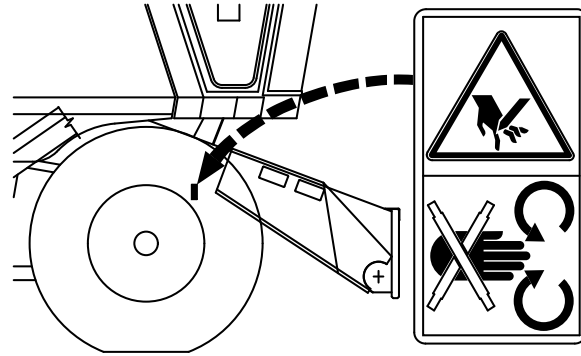
H81549 —UN—10SEP04

OUO6075,000406B -19-10AUG05-1/1

Safety Sign Location

Stone Trap

Avoid serious injury from entanglement with feed accelerator. Do not clean out stone trap until all separator motion has stopped.

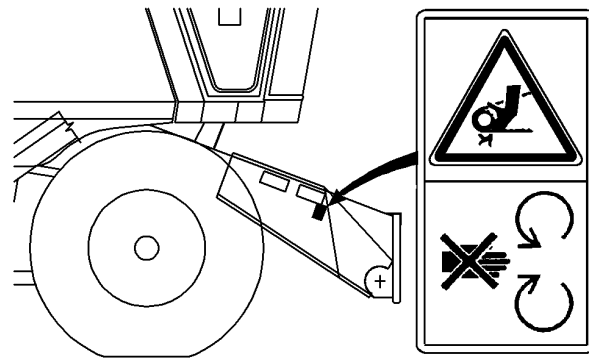


H83511 —UN—26MAY05

OUG06075,000406D -19-10AUG05-1/1

Feeder Conveyor Drive Guard

Do not open guard when the engine is running.



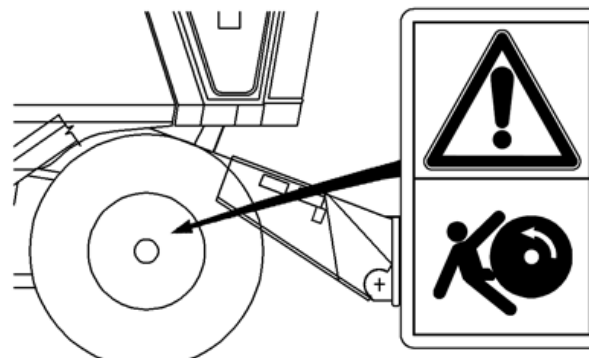
H81550 —UN—10SEP04

OUG06075,000406E -19-10AUG05-1/1

Dual Wheels

The dual wheels have an offset center of weight. Be careful when removing. Wheels require two people to install or remove.

To avoid bodily injury, special pilot studs are provided for removal and installation. See instructions provided with dual wheels.



Left Side and Right Side

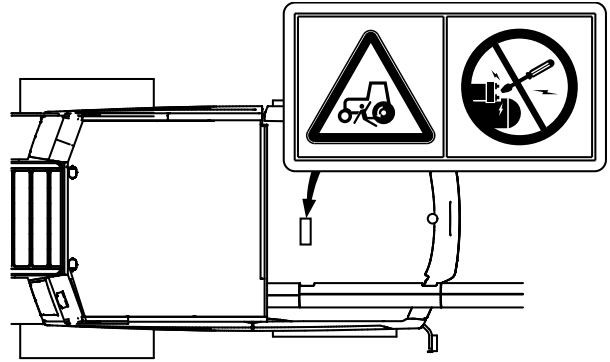
CG283950 —UN—20FEB10

AS60558,0001848 -19-20FEB10-1/1

Safety Sign Location

Starter

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

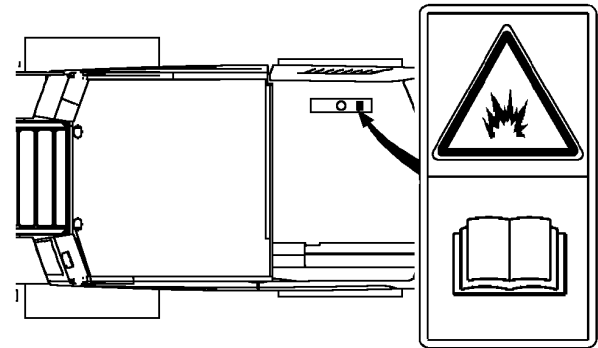


H74205—UN—12NOV02

OOU6075,000406F -19-10AUG05-1/1

Radiator Cooling System

Pressurized cooling system. To prevent burn injury due to uncontrolled release of steam and hot coolant, wait until radiator has cooled to touch. Remove radiator cap slowly.



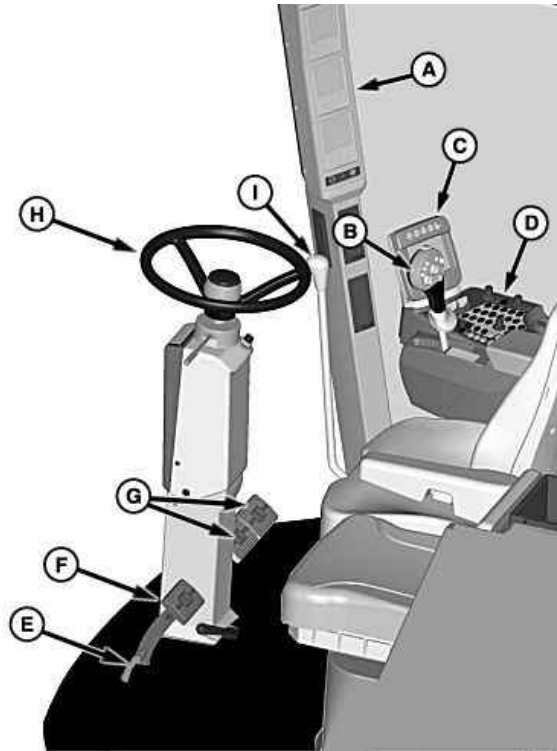
H67579—UN—19APR01

OOU6075,0004070 -19-10AUG05-1/1

Controls and Instruments

General View of Controls and Instruments

- A—CommandTouch™ Cab Cornerpost
- B—Multifunction Control Handle
- C—CommandCenter™ Display
- D—CommandTouch™ Armrest Console
- E—Park Brake Disengage Pedal
- F—Park Brake Engage Pedal
- G—Brake Pedals
- H—Steering Column
- I—Gearshift Lever



H86979—UN—16NOV06

*CommandTouch is a trademark of Deere & Company
CommandCenter is a trademark of Deere & Company*

OUC6075,00009A0 -19-02APR07-1/1

Overhead Control Panel

CLIMATRAK Automatic Temperature Control

CLIMATRAK control system consists of temperature control dial (A), mode selector (B), fan control speed dial (C), and cab temperature sensor (D).

With mode selector in OFF position, all power to system is OFF. With mode selector in ON position (middle position), power is supplied for normal functions. With mode selector in "DEFOG" position (top of switch pressed in), power is supplied to compressor regardless of set temperature. This position helps remove moisture from the air even in heat mode.

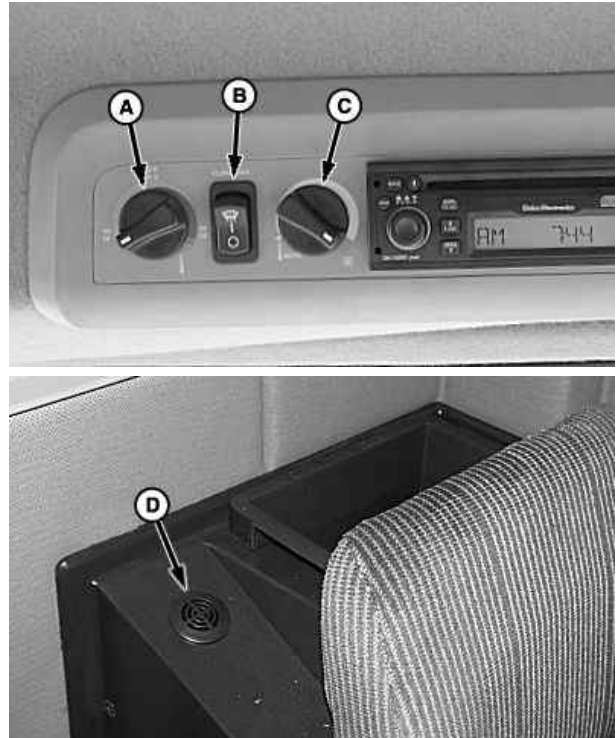
Turn temperature control clockwise to increase temperature or counterclockwise to decrease temperature.

NOTE: Cab temperature sensor is located behind instructional seat. Do not cover sensor or system may not operate correctly in AUTO mode.

Recirculation fan controls amount of air coming out of louvers. Fan speed control has a detent position for an automatic fan speed setting. In this position, fan speed is determined by the difference between selected temperature and actual cab temperature. As temperature approaches set point, fan speed will decrease.

A—Temperature Control Dial
B—Mode Selector

C—Fan Speed Control Dial
D—Cab Temperature Sensor



H86090 —UN—13JUL06

H74764 —UN—14JAN03

OOU6075,0000582 -19-21MAR07-1/1

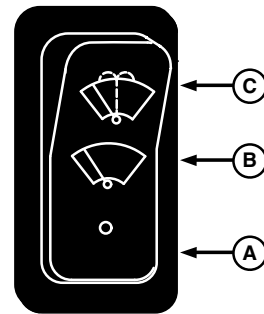
Windshield Wiper/Windshield Washer Switch

NOTE: Key switch must be ON or machine running for windshield wiper and windshield washer to operate.

Windshield washer system allows operator to control a flow of water to aid in clearing the windshield.

When windshield wiper switch is in OFF position (A), all power to the system is OFF. When switch is in ON position (B) (middle position), wiper will begin to move back and forth across windshield. Wiper will stop on either side of windshield depending on when switch was turned OFF.

When windshield wiper switch (C) is in wash position (top switch press in), windshield washer pump will spray fluid onto windshield. This continues until switch is released.



A—Windshield Wiper Switch (OFF)
B—Windshield Wiper Switch (ON)

C—Windshield Washer Switch

H68144 —UN—23MAY01

OOU6075,0000977 -19-16JUL07-1/1

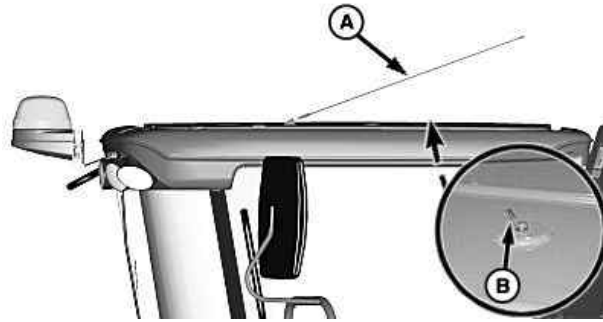
Antenna

If reception is poor, check if antenna (A) is in upright position.

If radio is not used or machine is being transported, fold radio antenna down and retain with hook (B).

A—Radio Antenna

B—Hook



H87078—UN—13DEC06

OUC6075,0000897 -19-20FEB07-1/1

Communications/CB Radio Mounting

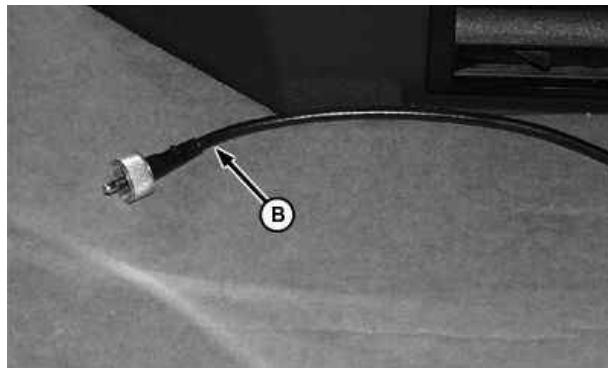
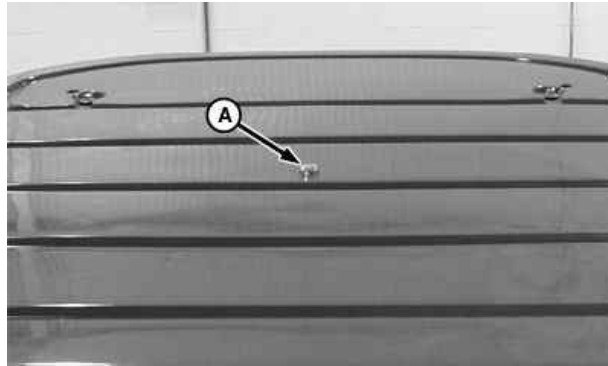
IMPORTANT: Do not install a radio requiring more than 3 amps or electrical system may malfunction.

To install additional radio or CB radio, see your John Deere dealer.

Antenna mount (A) is located in center of cab roof. Antenna cable (B) is located on right-hand side of cab under the armrest console.

A—Antenna Mount

B—Antenna Cable



H64104—UN—01JUN00

H65641—UN—20DEC00

OUC6075,0000896 -19-19FEB07-1/3

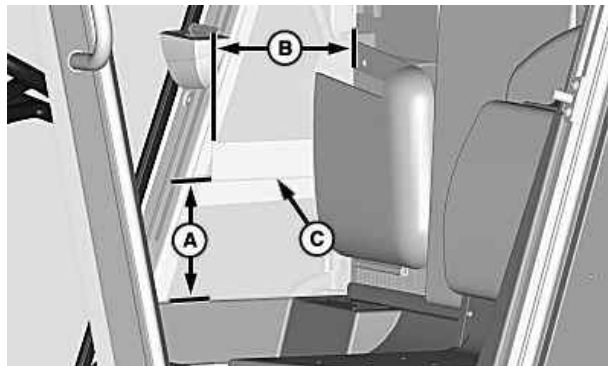
Use provided dimensions (A) and (B) to locate bracket (C) behind interior panel.

Using bracket (supplied by radio manufacture) as a template, drill holes as required through foam and plate on right-hand rear inside cab. Use self tapping screws to mount bracket.

A—Dimension, 185 mm (7.25 in.)

C—Bracket, 50 mm (2 in.)

B—Dimension, 225 mm (9 in.)



H86756—UN—30OCT06

Continued on next page

OUC6075,0000896 -19-19FEB07-2/3

This as a preview PDF file from best-manuals.com



Download full PDF manual at best-manuals.com