

**2254, 2256, 2258,
2264, 2266
and 2266 EXTRA
Combines**
(from serial no. 068584)

**John Deere Werke Zweibrücken
OMZ92748 Issue A9**

European Version
Printed in Germany
ENGLISCH

Contents

	Page		Page
Identification Views	00-1	Potentiometer for reel fore-and-aft resume control	15-29
Safety	05-1	Potentiometer for header height control	15-30
Safety Decals	10-1	Header autofloat control	15-31
Controls and Instruments		Response rate control for automatic functions	15-34
General view of controls and instruments	15-1	Dial-A-Matic™ switch	15-35
Switch console	15-2	Throttle lever (2254-2266)	15-35
Multi-function lever	15-8	Throttle switch (2266 EXTRA)	15-36
Corner post	15-9	Gear shift lever	15-36
Roof switch console	15-10	Rotary fan switch	15-37
Roof console	15-11	Cooling compartment switch	15-37
Steering column	15-12	Air conditioning/heater switch	15-38
Right armrest — Functions - Selector switch (header/reel)	15-13	Right armrest — Functions - Reel speed switch	15-39
Manual leveling control switch	15-14	Cylinder speed switch	15-39
Automatic leveling control switch	15-14	Fan speed switch	15-40
Operating hillmaster leveling system switches	15-15	Concave clearance adjusting switch	15-40
Before driving hillmaster combine	15-16	Unloading auger drive switch	15-41
Operating with automatic leveling control	15-17	Multi-function lever — Functions - Emergency cut-off switch	15-41
Operating with manual leveling control	15-17	Header function resume control buttons	15-42
Hillmaster combine road travel	15-19	Reel height switch	15-43
Header drive switch	15-19	Raise/lower header switch	15-43
Separator drive switch	15-20	Reel fore-and-aft/header parallel adjustment switch	15-44
Unloading auger swing switch	15-20	Roof console — Functions - Mirror heater switch	15-45
Grain tank cover opening tumbler switch	15-21	Electrical outside mirrors switch	15-45
Header height/tilt control switch	15-22	Windshield wiper switch	15-46
Header function resume control switch	15-23	Windshield washer switch	15-46
Switch for automatic machine adjustments	15-23	Road safety switch	15-47
Chopper distributor adjustment switch	15-24	Steering column — Functions - Horn button	15-47
Demoisturizer switch	15-25	Cold weather starting aid button	15-47
Reel speed control switch	15-25	Starter switch	15-48
Operating range of reel speed control system	15-27	Feeder house/header reverser	15-49
Potentiometer for reel height resume control	15-28		

Continued on next page

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.

OMZ92748 A9-19-01JAN99

COPYRIGHT© 1999
DEERE & COMPANY
European Office Mannheim
All rights reserved
A John Deere ILLUSTRATION® Manual

Contents

Page	Page
Coolant/charge air temperature indicator light	20-2
Parking brake indicator light	20-2
Brake fluid indicator light	20-2
Hydraulic oil temperature indicator light	20-3
Straw warning device indicator light	20-3
Straw chopper/chaff spreader speed indicator light	20-3
Tailings elevator indicator light	20-4
Straw walker indicator light	20-4
Clean grain elevator indicator light	20-4
Fan indicator light	20-5
Threshing cylinder indicator light	20-5
Indicator lights II	20-6
Intercooler indicator light	20-6
Fuel level indicator light	20-6
Air cleaner indicator light	20-7
Hydraulic oil filter indicator light	20-7
Hydraulic oil level indicator light	20-7
Alternator indicator light	20-8
Grain tank indicator light (1/2)	20-8
Grain tank indicator light (3/4)	20-8
Grain tank indicator light (full)	20-9
Unloading auger drive indicator light	20-9
Four wheel drive indicator light	20-10
Air conditioner indicator light	20-10
Leveling system indicator light	20-10
Tilt limit indicator light	20-11
Harvest performance monitor gauge	20-11
Header height gauge	20-11
Distributor plate gauge	20-12
Fuel gauge	20-12
Coolant temperature gauge	20-12
Ground pressure gauge	20-12
Infotrak monitor description	20-13
Infotrak monitor functions	20-14
Setting and displaying time of day	20-16
Input of specific machine data	20-17
Software version	20-17
Machine code	20-18
Transmission speed ratio code	20-18
Tire radius code	20-18
Determining tire radius	20-19
Engine impulse code	20-19
Cylinder speed alarm	20-20
Fan speed alarm	20-20
Infotrak SERVICE information	20-21
Automatic combine adjustments	20-22
Combine data center	20-23
Combine data center control keys	20-23
Area counter	20-26
Combine data center display	20-27
Combine data center setting unit	20-29
Operational diagrams	20-30
Selecting combine data center units	20-31
Selecting area counter functions	20-32
Cleaning area display	20-33
Changing header width	20-34
Setting partial header width	20-35
Selecting language	20-36
Selecting crop	20-37
Automatic setting according to crop	20-38
Clearing crops	20-39
Reading crop settings	20-40
Changing crop settings	20-41
Automatic settings (individual)	20-42
Low shaft speed monitor system	20-43
Harvest performance monitor	20-45
Preliminary adjustments	20-46
Switching on harvest performance monitor	20-46
Operational adjustment	20-47
Sensitivity of sensors	20-49
Operational check	20-50
Straw warning device	20-51
ContourMaster description (option)	20-52
Lighting System and Signals	
Parking light and low beam	25-1
Full beam	25-1
Full beam indicator light	25-1
Head lights	25-2
Turn signals	25-2
Turn signals indicator lights	25-2
Front turn-signal and clearance lights	25-3
Rear turn-signal, tail and stop lights	25-3
Registration plate light	25-4
Work lights	25-4
Grain tank lighting	25-6
Straw hood lighting	25-7
Beacon lights	25-7
Hazard warning lights	25-8
Indicator light bulb test	25-8
Operator's Cab	
Access ladder	30-1
Door	30-3
Operator's seat	30-3
Lumbar support	30-4
Left armrest	30-4
Right armrest	30-4
Air comfort seat	30-6

Continued on next page

	Page		Page
Passenger seat	30-6	Adjusting engine speed	45-3
Storage compartment for operator's manuals	30-6	Raising header	45-4
Cooling compartment	30-7	Forward and reverse travel	45-4
Steering column	30-7	Ground speed	45-5
Foot brakes	30-8	Hydrostatic system	45-5
Parking brake	30-8	Transport information	45-6
Releasing parking brake	30-9	Four-wheel drive	45-7
Sun visor	30-9	Road safety switch	45-7
Outside mirrors	30-10	Towing the combine	45-8
Rear window of cab	30-10		
Switching on heater	30-10	Wheels, Axles and Additional Weights	
Adjustable air louvers	30-11	Tire maintenance	50-1
Interior lighting	30-12	Wheel bolts and nuts	50-1
Radio and CB radio	30-12	Mounting tires	50-2
		Changing tires	50-3
Pre-Starting Checks		Driven wheels	50-3
Daily checks	35-1	Steered wheels	50-7
Engine oil level	35-1	Tire pressures	50-9
Hydraulic oil level	35-1	Adjusting rear axle width	50-10
Coolant level	35-2	Adjusting the steering angle	50-15
Fuel level	35-2	Rear wheel weights and hood weights	50-16
Tires	35-2		
Fuel system	35-3	Preparations and Field Operation	
Lubricating the combine	35-3	Choice of harvesting time	55-1
Checks in operator's cab	35-3	Avoiding grain losses	55-1
		Cutting platform	55-2
Operating the Engine		Feeder house	55-2
Engine break-in	40-1	Separator	55-2
Safety rules for starting engine	40-1	Adjusting cylinder and concave	55-3
Starting the engine	40-2	Normal crops	55-3
Engine oil pressure indicator light	40-4	Coarse crops	55-4
Warming up the engine	40-4	Separating process	55-4
Idling the engine	40-5	Grain cleaning process	55-5
Cold weather starting aid	40-5	Grain recovery	55-5
Instructions for using cold weather starting aid	40-6	Evaluating threshing action	55-6
Coolant preheater	40-6	Checking straw at rear of combine	55-6
Booster battery	40-7	Grain tank sample	55-6
Operating in tropical conditions	40-7	Checking tailings	55-7
Stopping the engine	40-8	Identifying threshing problems	55-7
Stalling of engine	40-8	Overthreshing	55-8
		Underthreshing	55-8
Driving and Transporting the Combine		Adjusting fan speed	55-9
Driving the combine	45-1	Adjusting the chaffer	55-10
Steering and driving	45-1	Slope Master system	55-11
Releasing parking brake	45-1	Adjusting the sieve	55-12
Operating the foot brakes	45-2	Acceptable grain losses	55-12
Engaging a gear	45-2	The meaning of grain losses	55-12
Road safety switch	45-3	Determining grain losses	55-13
		Causes of grain losses	55-15
		Cutting platform losses	55-15

Continued on next page

	Page		Page
Threshing unit losses	55-15	De-awning plates	65-10
Straw walker losses	55-16	Concave settings	65-10
Sieve losses	55-16	Changing the concave	65-11
General prevention of grain losses	55-17	Adjusting the concave	65-11
Threshing adjustments	55-18	Second cylinder	65-15
Combine settings and automatic adjustments	55-19	Second concave	65-15
Additional combine settings	55-20	Finger rakes	65-16
Preparations before changing crop	55-21	Curtain	65-16
Changing the harvesting unit	55-22	Straw walkers	65-17
Preparations for harvesting grain crops	55-23	Fishbacks	65-19
Preparations for harvesting rye	55-23	Fan and windboard	65-21
Preparations for harvesting peas	55-24	Cross-shaker tines	65-21
Preparations for harvesting corn	55-25	Straw deflector plate	65-22
Harvesting corn/cob mix (CCM)	55-26	Metal sheet to separate chaff from straw	65-23
Preparations for harvesting oil seed crops	55-26	Side-curtain	65-24
Preparations for harvesting sunflowers	55-27	Sieve variants	65-25
Operating the combine harvester	55-27	Chaffer and sieve adjustment	65-27
Header float control	55-31	Chaffer extension	65-28
Header function resume	55-31	Chaffer extension inserts	65-29
		Removing chaffer extension	65-30
		Removing the chaffer	65-30
		Removing the sieve	65-31
Feeder House		Chaff Spreader and Straw Chopper	
Electrical and hydraulic connections	60-1	Chaff spreader	70-1
Header lift cylinders	60-2	Operation	70-1
Securing header lift cylinders	60-2	Guard rail	70-1
Service flaps	60-3	Folding down the chaff spreader	70-2
Chain tension	60-4	Vanes on chaff spreader rotors	70-2
Pivoting shield guide rolls	60-4	Removing the chaff spreader	70-3
Adjusting height of feeder drum	60-5	Straw chopper	70-4
Adjusting the area counter switch	60-5	Switching chopper on and off	70-4
Slip clutch on upper feeder shaft	60-6	Adjusting straw distributor box	70-5
Stripper on upper feeder shaft	60-7	Driving on public roads	70-5
Lower unit, feeder house variator	60-7	Adjusting deflectors	70-6
Reverser shifter fork and cable	60-8	Electrical adjustments, centrally	70-6
		Mechanical adjustments, centrally	70-6
Separator and Cleaning Unit		Separate adjustment of deflectors	70-7
Service flaps	65-1	Adjusting counter-knives	70-7
Cylinder inspection flap stripper-crop adaptation	65-2	Chopping corn and sunflowers	70-8
Opening stone trap bottom plate	65-2	Removing counter-knives	70-8
Grain pan inserts	65-3	Splitting and chopping	70-9
Cylinder rasp bars	65-3	Replacing rotating knives	70-10
Cylinder reduction gear	65-5		
Turning the cylinder	65-6	Grain Tank Loading and Unloading	
Cylinder filler plates	65-7	Service openings	75-1
Grain concave	65-7	Grain tank cover	75-3
Corn concave	65-8	Unlocking/Opening the r.h grain tank cover	75-5
Universal concave	65-8	Checking and tensioning feeder chains	75-6
Booster bar	65-9		
Special rasp bar	65-9		

Continued on next page

Contents

Page	Page
Unloading drive overload protection	75-7
Cover for unloading auger	75-7
Sensor for grain tank filling gauge	75-8
Spill guard on discharge tube outlet	75-8
 Fuel, Lubricants, Coolant and Capacities	
Filling fuel tank	80-2
Engine oil	80-3
Coolant	80-4
Cooling system capacity	80-4
Transmission oil	80-5
Use of transmission oil	80-5
Changing transmission oil	80-8
Transmission and hydraulic oil	80-9
Brake fluid	80-9
Grease	80-10
Alternative and synthetic lubricants	80-11
Lubricant storage	80-11
 Lubrication Charts, Periodic Service	
Lubrication charts	85-1
Break-in period	85-11
Service intervals	85-11
Every 10 hours	85-12
After the first 100 hours	85-12
Every 250 hours	85-13
Every 500 hours	85-13
Every 1000 hours	85-14
Every 1500 hours	85-14
Every 2000 hours	85-14
As required	85-14
Once every year	85-15
Every 2 years	85-15
 Service — Engine	
Access to engine	90-1
Engine compartment	90-1
Adjusting engine valve tappets	90-2
Checking engine crankcase oil level	90-2
Oil and filter change — 6.8-L engine	90-3
Oil and filter change — 8.1-L engine	90-4
Service — fuel system	90-5
Fuel system — 6.8-L engine	90-6
Fuel system — 8.1-L engine	90-7
Fuel tank filler neck	90-8
Water trap in fuel system	90-9
Fuel transfer pump — 6.8-L engine	90-10
Fuel filter — 6.8-L engine	90-11
Fuel filter — 8.1-L engine	90-12
Injection nozzles — 8.1-L engine	90-13
Bleeding the fuel system	90-13
Access to cooling elements	90-15
Layout of cooling elements	90-16
Engine coolant	90-16
Flushing the cooling system	90-17
Changing the thermostats	90-20
Drive belts — 6.8-L engine	90-21
Drive belts — 8.1-L engine	90-23
Air intake system	90-24
Air cleaner (primary) element	90-26
Cleaning air cleaner element housing	90-27
Inspecting element	90-28
Installing cleaner element	90-29
Air intake lines	90-30
Turbocharger	90-30
Crankshaft vibration damper	90-30
 Service — Drives and Shields	
Safety shields	95-1
Tool stack	95-2
Adjusting belts	95-2
Main countershaft	95-3
Unloading drive	95-4
Cylinder drive intermediate countershaft	95-5
Feeder house/Header drive hydraulic clutch	95-6
Adjusting the fan variator	95-7
Clean grain elevator, grain tank filling	95-8
Slip clutch countershaft (clean grain elevator)	95-9
Slip clutch for straw walker drive	95-9
Slip clutch for tailings elevator	95-9
Belt tensioners	95-10
Drive chains	95-11
Tailings elevator drive chain	95-11
Tailings auger drive chain	95-11
Unloading drive countershaft	95-12
Drive chain for grain tank unloading	95-12
V-belts	95-12
 Service — Electrical System	
Specifications	100-1
Battery	100-1
Handling battery	100-1
Checking electrolyte level	100-2
Checking specific gravity	100-2
Battery switch	100-3
Installing battery	100-3
Alternator	100-4
Socket	100-4

Continued on next page

	Page		Page
Starting motor	100-5	Service — Ground Speed Drive	
Electronic boards	100-6	Brake system	110-1
Fuses on fuse board	100-7	Brake fluid reservoir	110-2
Relays on fuse board	100-9	Adjusting the foot brakes	110-2
Relay and diode board	100-10	Parking brake	110-2
Engine control unit (ECU-2266 EXTRA only)	100-12	Hydrostatic drive components	110-3
Chopper switch for engine control (2266 EXTRA only)	100-13	Oil and filter change	110-4
Electronically controlled fuel injection pump (2266 EXTRA only)	100-13	Oil cooler by-pass valve	110-5
Solenoid valves — standard machine	100-14	Transmission	110-6
Solenoid valves — Hillmaster	100-15	Final drives	110-7
Solenoid valves — ContourMaster	100-16	Final drive attaching screws	110-7
Header height potentiometer (ContourMaster)	100-17	Final drive attaching screws, dual tires	110-9
Skid plates with sensor straps (ContourMaster)	100-17	Transmission attaching screws	110-9
Sensor straps (ContourMaster)	100-18	Rear wheel toe-in	110-9
ECU service codes, infotrak monitor (2266 EXTRA only)	100-20	Steering cylinder support	110-10
General machine service codes, infotrak monitor	100-23	Wheel motor yoke attaching screws	110-10
ContourMaster service codes, infotrak monitor	100-25	Rear wheel tread	110-10
Display modes/test procedures	100-28	Adjusting rear axle thread width	110-11
Combine calibration procedure	100-29	Steering components	110-12
Header calibration procedure	100-29		
Calibration service code chart	100-34	Service — Air Conditioning and Heating	
Reel speed control board	100-38	Air conditioning components	115-1
Reel speed control board service codes . .	100-39	Heating components	115-2
Service — Hydraulic System		Air intake and distribution	115-3
Pressure relief valve	105-1	Compressor	115-4
Description of system	105-2	Refrigerant level	115-5
Hydraulic oil tank	105-4	Low-pressure switch	115-5
Hydraulic components	105-5	High-pressure switch	115-6
Hydraulic components, chaff spreader	105-9	Cleaning the condenser	115-6
Hydraulic components, hydrostatic reel drive	105-10	Cab air filters	115-6
Actuating electro-magnetic valves	105-12	Removing paper filter element	115-7
Accumulators	105-14	Cleaning paper filter elements	115-7
Float control accumulator pressure chart . .	105-16	Removing recirculating filter	115-8
Valve block on feeder house	105-18	Air intake opening	115-8
Draing hydraulic oil	105-18	Condensation water drain hose	115-9
Replacing hydraulic oil filter	105-19		
Refilling hydraulic oil	105-20	Storage	
Temperature/pressure sending unit	105-21	After the season	120-1
		After the season - Engine	120-2
		After the season - Air conditioning	120-3
		Removing combine from storage	120-4
		Service before start of season	120-4
		Specifications	
		Operating speeds	125-1
		Dimensions (2254, 2256)	125-14
		Dimensions (2258, 2264)	125-16
		Dimensions (2266, 2266 EXTRA)	125-18

Continued on next page

Page

Serial Numbers

Type plates	130-1
Product identification number	130-2
Engine serial number	130-2
Operator's cab serial number	130-3
Four wheel drive motor serial number	130-3
Three-speed transmission serial number	130-3
Final drive serial number	130-4
Straw chopper serial number	130-4
Feeder house serial number	130-4
Threshing cylinder reduction gear serial number	130-4

Index

Identification Views



-UN-08NOV96
ZX009520

Hillmaster



-UN-08NOV96
ZX009519

Standard

ZX,OMXZC0001970-19-01NOV96

Safety

RECOGNIZE SAFETY INFORMATION

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

Follow recommended precautions and safe operating practices.



DX,ALERT -19-29SEP98

T81389 -UN-07DEC88

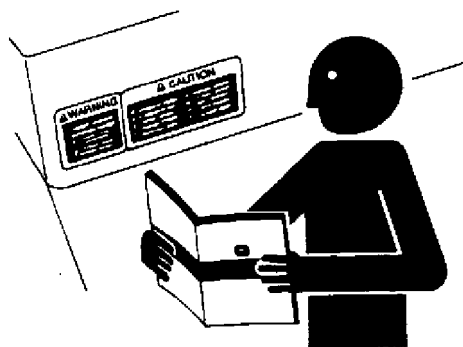
FOLLOW SAFETY INSTRUCTIONS

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

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

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

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



DX,READ -19-03MAR93

TS201 -UN-23AUG88

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.

▲ DANGER

▲ WARNING

▲ CAUTION

DX,SIGNAL -19-03MAR93

TS187 -19-30SEP88



OBSERVE ROAD TRAFFIC REGULATIONS

Always observe local road traffic regulations when using public roads.



H28930 -UN-30JUN89

FX,ROAD -19-01MAY91



CAUTION: Avoid possible injury or death from machinery runaway.

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

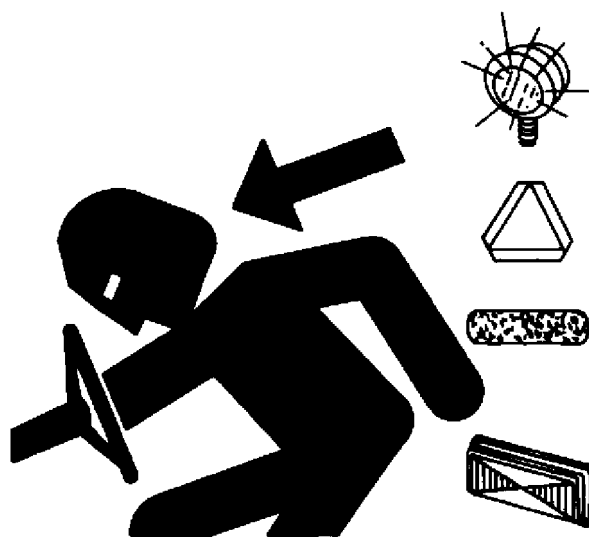
NEVER start engine while standing on ground. Start engine only from operator's seat, with transmission in neutral or park.

DX,BYPAS -19-26JAN90

USE SAFETY LIGHTS AND DEVICES

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

Use headlights, flashing warning lights, and turn signals day and night. Follow local regulations for equipment lighting and marking. Keep lighting and marking visible and in good working order. Replace or repair lighting and marking that has been damaged or lost.



TS951 -UN-12APR90

DX,FLASH -19-04FEB99

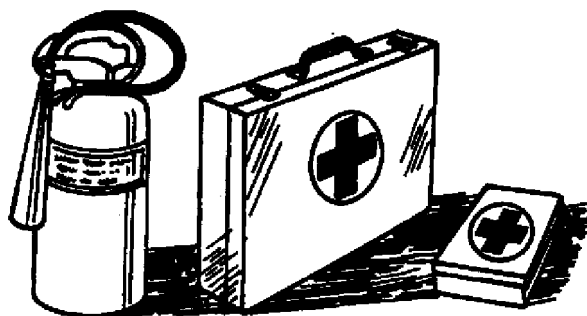


PREPARE FOR EMERGENCIES

Be prepared if a fire starts.

Keep a first aid kit and fire extinguisher handy.

Keep emergency numbers for doctors, ambulance service, hospital, and fire department near your telephone.



DX,FIRE2 -19-03MAR93

TS291 -UN-23AUG88

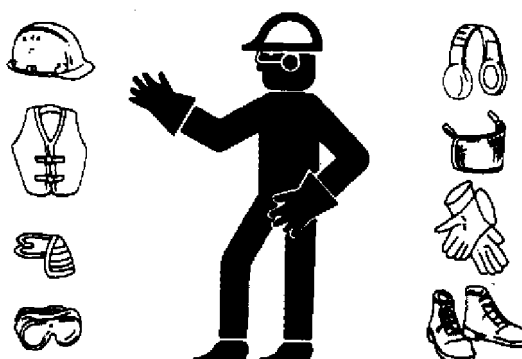
WEAR PROTECTIVE CLOTHING

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

Prolonged exposure to loud noise can cause impairment or loss of hearing.

Wear a suitable hearing protective device such as earmuffs or earplugs to protect against objectionable or uncomfortable loud noises.

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



DX,WEAR -19-10SEP90

TS206 -UN-23AUG88

HANDLE FUEL SAFELY—AVOID FIRES

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

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

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



DX,FIRE1 -19-03MAR93

TS202 -UN-23AUG88



STORE ATTACHMENTS SAFELY

Stored attachments such as dual wheels, cage wheels, and loaders can fall and cause serious injury or death.

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



DX,STORE -19-03MAR93

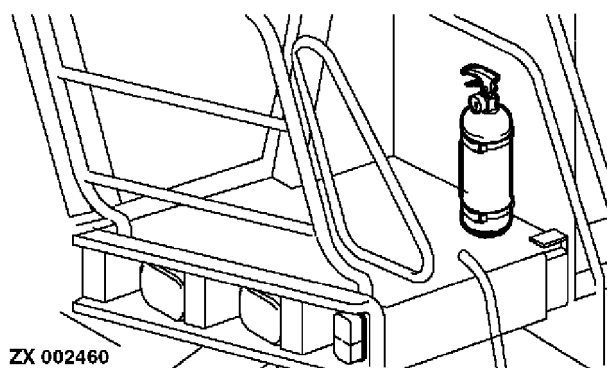
TS219 -UN-23AUG88

FIRE EXTINGUISHER

A 6 kg (13 lb) general purpose fire extinguisher meeting local legal requirements has to be installed on the left-hand side of the operator's platform.

Maintain fire extinguisher to keep it in operational condition.

Keep the engine clean and free of dust, chaff and straw to prevent the possibility of a fire.



ZX 002460

ZX,FIREXZCO -19-27MAY94

ZX002460 -UN-16JUN95

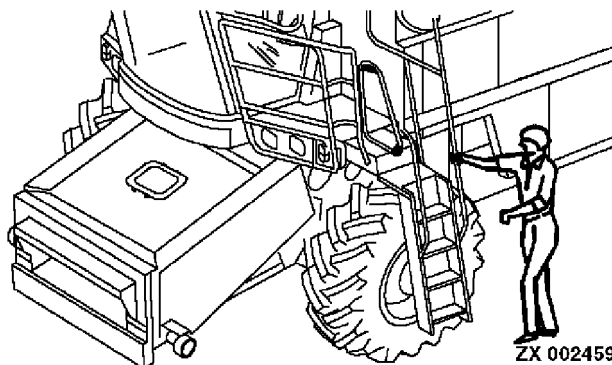
CHECK MACHINE SAFETY

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

FX,READY -19-28FEB91

MOUNT AND DISMOUNT SAFELY

Use handrail when mounting or dismounting the combine.



ZX 002459

ZX,HANDLEXZCO -19-27JAN92

ZX002459 -UN-16JUN95



RIDERS

Only allow the operator and one rider on the machine.

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

One rider is permitted, since the machine is equipped with a factory-approved passenger seat.



ZX,PASSENGER -19-02OCT91

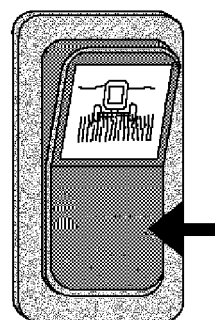
TS253 -UN-23AUG88

ROAD SAFETY SWITCH

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

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

ZX 002418



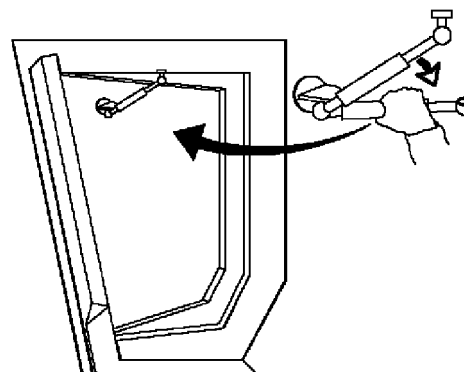
ZX,SWITCHXZCO -19-01MAR95

ZX002418 -UN-16JUN95

EMERGENCY EXIT

The right-hand cab window may be used as an emergency exit. Disengage the gas-filled spring on the sidewall of the cab and open the window.

ZX 006004



ZX,OMSPFH003293-19-01MAY94

ZX006004 -UN-03APR95



DRIVING THE COMBINE

Operate machine only when all guards are correctly installed.

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

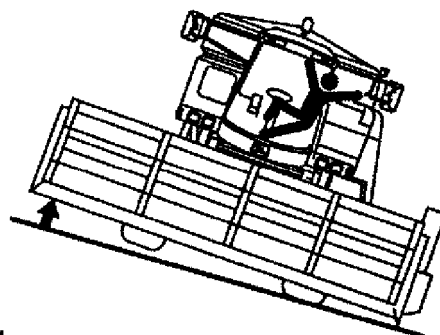
Always adapt ground speed to road or field conditions. Avoid making sharp turns when driving up or down slopes or when driving across a slope. Be especially careful when turning on slopes with full grain tank.

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

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

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

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



ZX002461

ZX002461 -UN-16JUN95

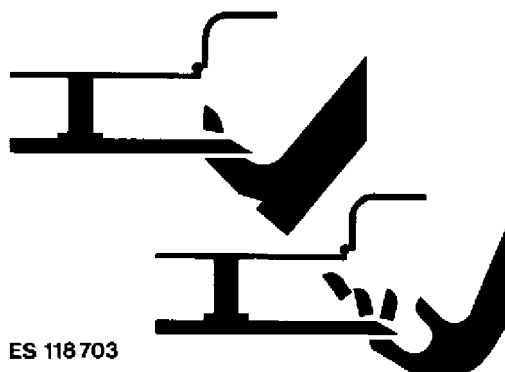
ZX,DRIVEXZCO -19-27JAN92

GUARDS AND SHIELDS

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

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

Keep hands, feet and clothing away from moving parts.



ES 118 703

ES118703 -UN-21MAR95

FX,DEVICE -19-04DEC90



STAY CLEAR OF HARVESTING UNITS

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



ES 118 704

FX,CUT -19-21DEC90

ES118704 -UN-21MAR95

STAY CLEAR OF ROTATING DRIVELINES

Entanglement in rotating driveline can cause serious injury or death.

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

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

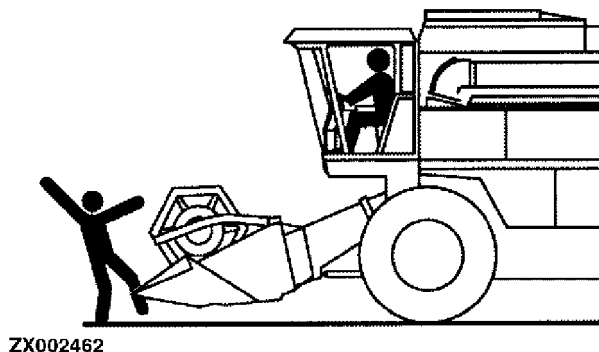


DX,PTO -19-12SEP95

TS1644 -UN-22AUG95

TRANSPORT WITH HARVESTING UNIT INSTALLED

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



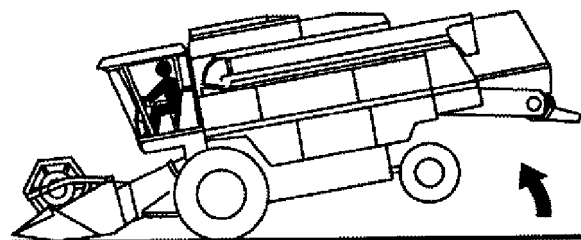
ZX002462

ZX,HEADERXZCO -19-27JAN92

ZX002462 -UN-16JUN95

BALLASTING FOR SAFE GROUND CONTACT

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



ZX002463

ZX,WEIGHTXZCO -19-27JAN92

ZX002463 -UN-16JUN95

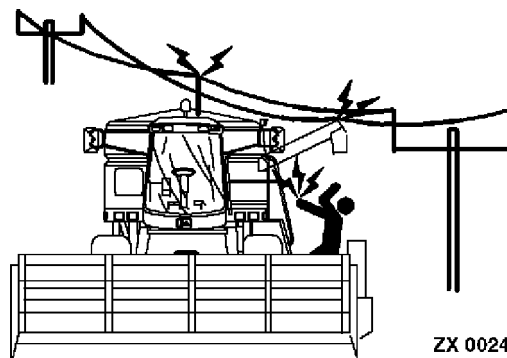


RADIO AERIAL

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

To avoid electrical shock, no portion of the machine should be higher than 4 m.

Before transporting machine, bend aerial or remove it.



ZX 002464

-UN-16JUN95
ZX002464

ZX,ANTENNAZXCO -19-27JAN92

PARKING AND LEAVING THE COMBINE

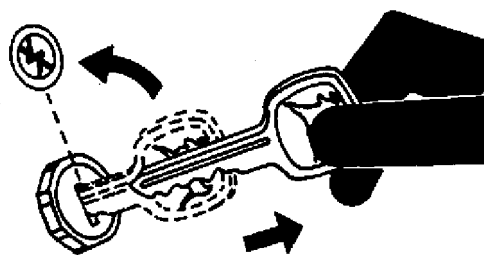
Lower harvesting unit to the ground.

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

NOTE: Use only chock blocks provided with the machine.

Never leave combine unattended as long as engine is running.

Never leave the operator's cab when driving.



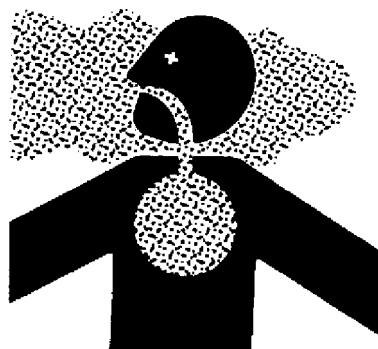
-UN-24MAY89
TS230

ZX,PARKXZCO -19-13APR92

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.



-UN-23AUG88
TS220

DX,AIR -19-04JUN90



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.



DX,SERV

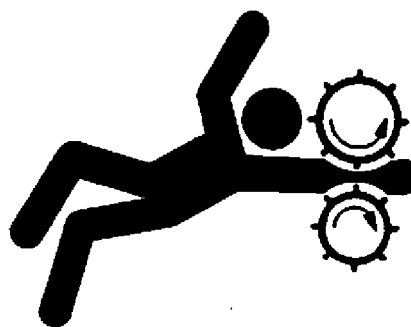
-19-04FEB99

TS218 -UN-23AUG88

SERVICE MACHINES SAFELY

Tie long hair behind your head. Do not wear a necktie, scarf, loose clothing, or necklace when you work near machine tools or moving parts. If these items were to get caught, severe injury could result.

Remove rings and other jewelry to prevent electrical shorts and entanglement in moving parts.



DX,LOOSE

-19-04JUN90

TS228 -UN-23AUG88

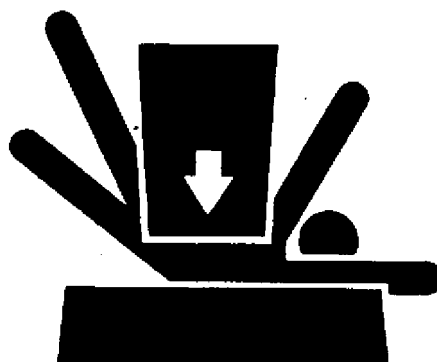


SUPPORT MACHINE PROPERLY

Always lower the attachment or implement to the ground before you work on the machine. If you must work on a lifted machine or attachment, securely support the machine or attachment. 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 tractor, always follow safety precautions listed in the implement operator's manual.

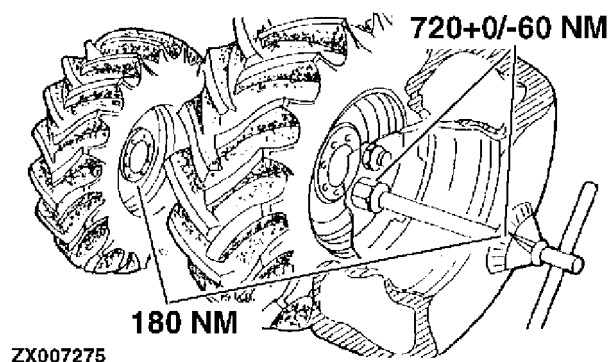


DX,LOWER -19-04FEB99

TS229 -UN-23AUG68

RETORQUE WHEEL NUTS

Retorque wheel nuts as specified in Sections "Wheels and Ballast" and "Lubrication, Periodic Services". Failure to do this could result in a wheel falling off during operation, causing the machine to tip over with serious injury to the operator and extensive damage to the machine.



ZX,NUTS -19-01MAR95

ZX007275 -UN-19JUN95

Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com