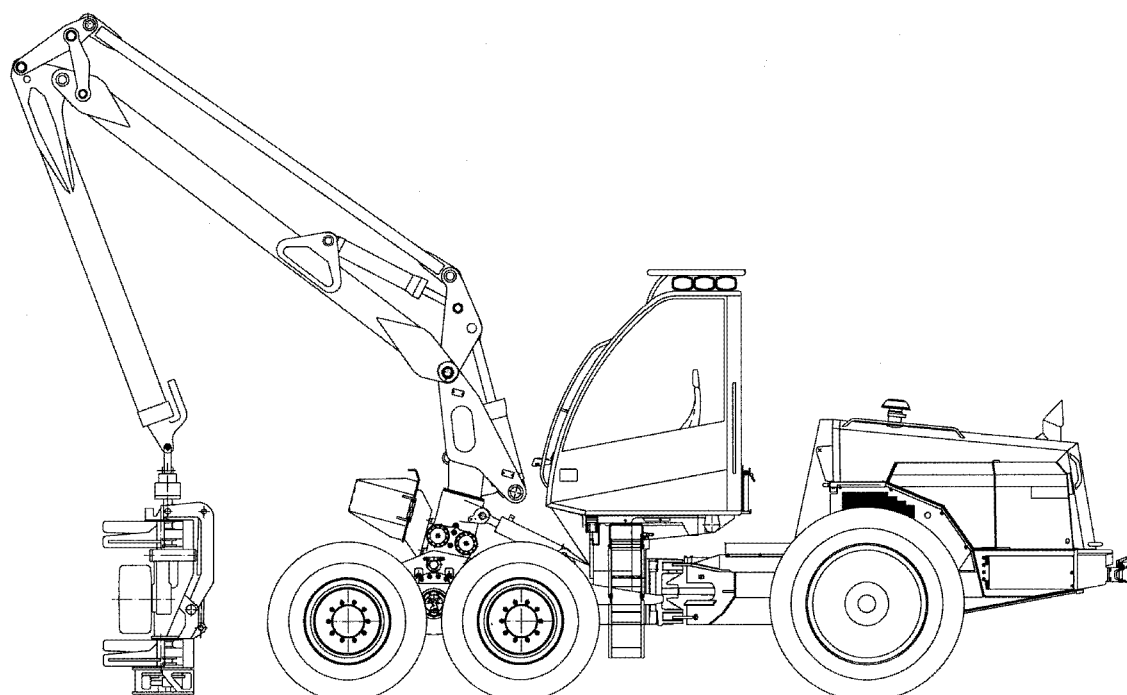


John Deere

1263

Harvester



OMF061744

Operator's and Maintenance Manual

Serial number WH1263X005001...

ENG

John Deere

Harvester

OMF061744

**Operator's and
Maintenance Manual**

Serial number WH1263X005001...

ENG

OPERATOR'S AND MAINTENANCE MANUAL

John Deere Harvester

1263

INTRODUCTION	1
WARRANTY	2
SAFETY INSTRUCTIONS	3
CABIN AND CONTROLS	4
OPERATING INSTRUCTIONS	5
MAINTENANCE	6
HYDRAULIC SYSTEM	7
ELECTRICAL SYSTEM	8
TRANSMISSION	9
BOOM	10
EQUIPMENT	11
TECHNICAL DATA	12
TROUBLESHOOTING	13

<https://www.ebooklibonline.com>

Hello dear friend!

Thank you very much for reading.

Enter the link into your browser.

The full manual is available for immediate download.

<https://www.ebooklibonline.com>

The information contained in this manual is comprised of instructions which will assist the operator to operate the machine in a safe and efficient manner. Make sure this manual is always close at hand and available to all who work on the machine. Should this manual be lost or should it deteriorate to an unintelligible state, contact John Deere or your nearest John Deere dealer for a replacement manual.

If you sell the machine, be sure to give this manual to the new owners.

Continuing product improvement made by John Deere may result in changes to the machine which are not covered in this manual. Should you need up-to-date information about your machine or should you have questions in regards to this manual, please contact John Deere or your John Deere dealer.



CAUTION

Only persons whose training has been approved by John Deere are permitted to operate John Deere machinery.

Improper operation and maintenance of this machine can be hazardous and could result in serious injury or death.

Therefore, it is of paramount importance that all the instructions given in this manual and during training be followed when the machine is operated or serviced.

The safety rules are given in the group 3.

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 E 2001
DEERE & COMPANY
Moline, Illinois
All rights reserved.

1.	Introduction	1-1
1.1	General	1-2
1.2	Location of rating plates and serial numbers	1-3
2.	Warranty	2-1
2.1	Warranty information	2-1
3.	Safety instructions	3-1
3.1	Safety features	3-1
3.2	General	3-2
3.3	Safety symbol	3-2
3.3.1	Signal words	3-3
3.4	General safety rules	3-3
3.4.1	Protective Structures	3-6
3.4.2	Boarding the machine	3-7
3.5	Operating safety precautions	3-8
3.5.1	Alarms	3-10
3.5.2	Secondary exits	3-11
3.5.3	Driving on frozen waters	3-11
3.5.4	Power cables	3-12
3.5.5	Driving on public roads and other transport driving	3-13
3.6	Servicing safety precautions	3-14
3.7	Fire prevention	3-18
3.7.1	What to do if the machine catches fire	3-19
3.8	Safety signs	3-20
4.	Cabin and controls	4-1
4.1	Main switch	4-2
4.2	Control lights	4-3
4.2.1	Warning lamps and beeper on the roof	4-3
4.3	Dashboard	4-4
4.3.1	Ignition switch	4-5
4.3.2	Window wipers and washers	4-6
4.4	Control panels	4-7
4.4.1	Boom control levers	4-8
4.5	Tj 3000, functions	4-9
4.6	Air conditioner	4-10

4.6.1	Operation instructions	4-10
4.7	Pedals	4-11
4.8	Adjusting the operator's seat	4-12
5.	Operating instructions	5-1
5.1	Operation	5-1
5.1.1	Safety switches	5-1
5.1.2	Emergency stop	5-2
5.1.3	Boom	5-2
5.1.4	Brakes	5-3
5.1.5	Steering	5-5
5.1.6	High/low gear and front wheel drive	5-6
5.1.7	Differential locks	5-7
5.1.8	Frame brake	5-7
5.2	Driving	5-8
5.2.1	Before starting the engine for the first time in a working day ...	5-8
5.2.2	Operating the engine	5-9
5.2.3	Off-road driving	5-12
5.2.4	On-road driving	5-13
5.3	Transporting the machine	5-15
5.4	Towing the machine	5-16
5.4.1	Stowing a disabled boom	5-19
6.	Maintenance	6-1
6.1	Servicing safety precautions	6-2
6.2	General maintenance instructions	6-4
6.2.1	Assembly instructions	6-4
6.2.2	Tightening torque for bolted joints	6-5
6.2.3	Welding instructions	6-6
6.2.4	Instructions for cleaning of Lexan/Marguard windows	6-8
6.3	Wheels	6-9
6.3.1	Changing wheels	6-9
6.3.2	Anti-slip fitting	6-10
6.3.3	Bogie tracks, fitting	6-11
6.4	Recommended lubricants and fluids	6-13
6.4.1	Capacities	6-14
6.4.2	Diesel fuel	6-15
6.4.3	Engine oil	6-15

6.4.4	Coolant	6-16
6.4.5	Grease	6-16
6.4.6	Hydraulic oil	6-17
6.4.7	Brake fluid	6-17
6.4.8	Gear oil	6-17
6.5	Maintenance intervals	6-18
6.5.1	Checklist	6-18
6.5.2	Required parts	6-20
6.6	Detailed maintenance	6-22
6.6.1	Daily maintenance or every 10 hours	6-22
6.6.2	Weekly maintenance or every 50 hours	6-25
6.6.3	Maintenance after every 250 hours	6-27
6.6.4	Maintenance after every 500 hours	6-31
6.6.5	Maintenance after every 1000 hours	6-34
6.6.6	Maintenance after every 2000 hours	6-37
6.6.7	Maintenance after every six months	6-40
6.6.8	Annual maintenance	6-41
6.7	Maintenance of the boom	6-43
6.7.1	Daily maintenance or every 10 hours	6-44
6.7.2	Weekly maintenance or every 50 hours	6-44
6.7.3	Maintenance after every 250 hours	6-46
6.7.4	Maintenance after every 1000 hours	6-47
6.7.5	Maintenance after every 2000 hours	6-47
6.8	When necessary, service and adjust the following	6-48
6.8.1	How to eliminate air from the fuel system	6-50
7.	Hydraulic system	7-1
7.1	Working hydraulic system	7-1
7.2	Hydrostatic system	7-1
7.3	Hydraulic tank	7-1
7.3.1	Filling with hydraulic fluid	7-2
7.3.2	Draining the hydraulic fluid	7-2
7.4	Vacuum pump	7-3
7.5	How to bleed air from the hydraulic system	7-3
7.5.1	How to bleed air from the hydrostatic system	7-4
7.5.2	How to bleed air from the working hydraulic system	7-5
7.5.3	Bleeding the brakes	7-6
7.6	How to check and adjust the brake system	7-7

7.6.1	Checking the brakes	7-7
7.6.2	Mechanical adjustment of brakes	7-7
7.6.3	Checking the drive brake	7-9
7.6.4	Checking the service brake	7-9
7.6.5	Checking the load and release range	7-9
7.6.6	Checking the relief valve of the brake charging pressure	7-10
8.	Electrical system	8-1
8.1	Batteries	8-1
8.1.1	Using booster batteries	8-2
8.2	Main switch and fuses	8-3
8.2.1	Fuse box F1	8-4
8.2.2	Fuse box F2	8-5
8.3	Sensors of the machine	8-6
8.4	Repair welding	8-9
9.	Transmission	9-1
9.1	Hydrostatic system	9-2
9.2	Control of transmission	9-3
9.3	Brakes	9-4
10.	Boom	10-1
10.1	General description of the boom	10-1
10.2	Operating safety precautions	10-1
10.3	General operating instructions	10-3
10.4	Technical data	10-5
10.4.1	Boom CH597	10-5
10.4.2	Boom CH583	10-5
10.4.3	Rotator	10-5
11.	Equipment	11-1
11.1	Air conditioner	11-1
11.1.1	Caution and precautions	11-2
11.1.2	Configuration and location of the air conditioner	11-3
11.1.3	Maintenance of the air conditioner	11-4
11.1.4	Trouble-shooting the air conditioner	11-8
11.2	Engine and cabin preheater *)	11-9
11.2.1	General	11-10

11.2.2	Maintenance of the engine preheater	11-13
11.2.3	Timer for engine and cabin preheater	11-14
11.3	Fire extinguisher system *)	11-17
11.3.1	Control unit	11-19
11.4	Hand-held fire extinguishers	11-21
11.5	Stump treatment system*)	11-22
12.	Technical data	12-1
13.	Troubleshooting	13-1
13.1	Engine troubleshooting	13-1
13.1.1	Engine will not crank	13-1
13.1.2	Engine cranks but will not start, no smoke from exhaust	13-1
13.1.3	Engine cranks but will not start, exhaust smoke present	13-2
13.1.4	Engine starts but lacks power	13-2
13.1.5	Engine overheats	13-3
13.1.6	Engine runs cold	13-3
13.1.7	Low oil pressure	13-4
13.1.8	Oil pressure too high	13-4
13.2	Electrical system troubleshooting	13-5
13.2.1	Complete electrical system not functioning	13-5
13.2.2	Batteries not being charged	13-5
13.3	Hydraulic system general troubleshooting	13-6
13.3.1	Complete hydraulic system failure	13-6
13.3.2	Slow cylinder operation	13-6
13.3.3	Hydraulic fluid temperature too high	13-6
13.3.4	Hydraulic fluid foams	13-7
13.3.5	Hydraulic system noisy	13-7
13.4	Transmission troubleshooting	13-8
13.4.1	Machine cannot be moved	13-8
13.4.2	High/low gear cannot be switched	13-8
13.4.3	Noisy high/low gear, differentials, bogie casings or hub gears	13-8
13.4.4	Differentials cannot be engaged	13-8
13.5	Boom troubleshooting	13-9
13.5.1	No response	13-9
13.5.2	Slow response	13-9
13.5.3	Harvester head not responding	13-9
Index	Index-1

1. Introduction

This instruction manual describes the operation of your John Deere 1263 single grip harvester.

Only operators and service personnel who have completed and passed John Deere's course for the 1263 may use the machine.

Furthermore, the operator must have studied and understood the entire manual.

The manual provides you with information about the machine's design and function, which is necessary in order to use and look after the machine in the proper manner. It also serves to offer guidance during maintenance and certain adjustment work.

Please contact your nearest authorized service workshop for more complicated maintenance and repair work. Our service personnel have the training and special tools that are required for such tasks.

1.1 General

John Deere 1263 harvester is intended for felling, delimiting and crosscutting trees. The machine must not be used for any other purposes.

We designed the John Deere 1263 harvester to operate under difficult off-road circumstances. Still it is important that you always adapt your driving speed to the surroundings. Use chains if necessary.

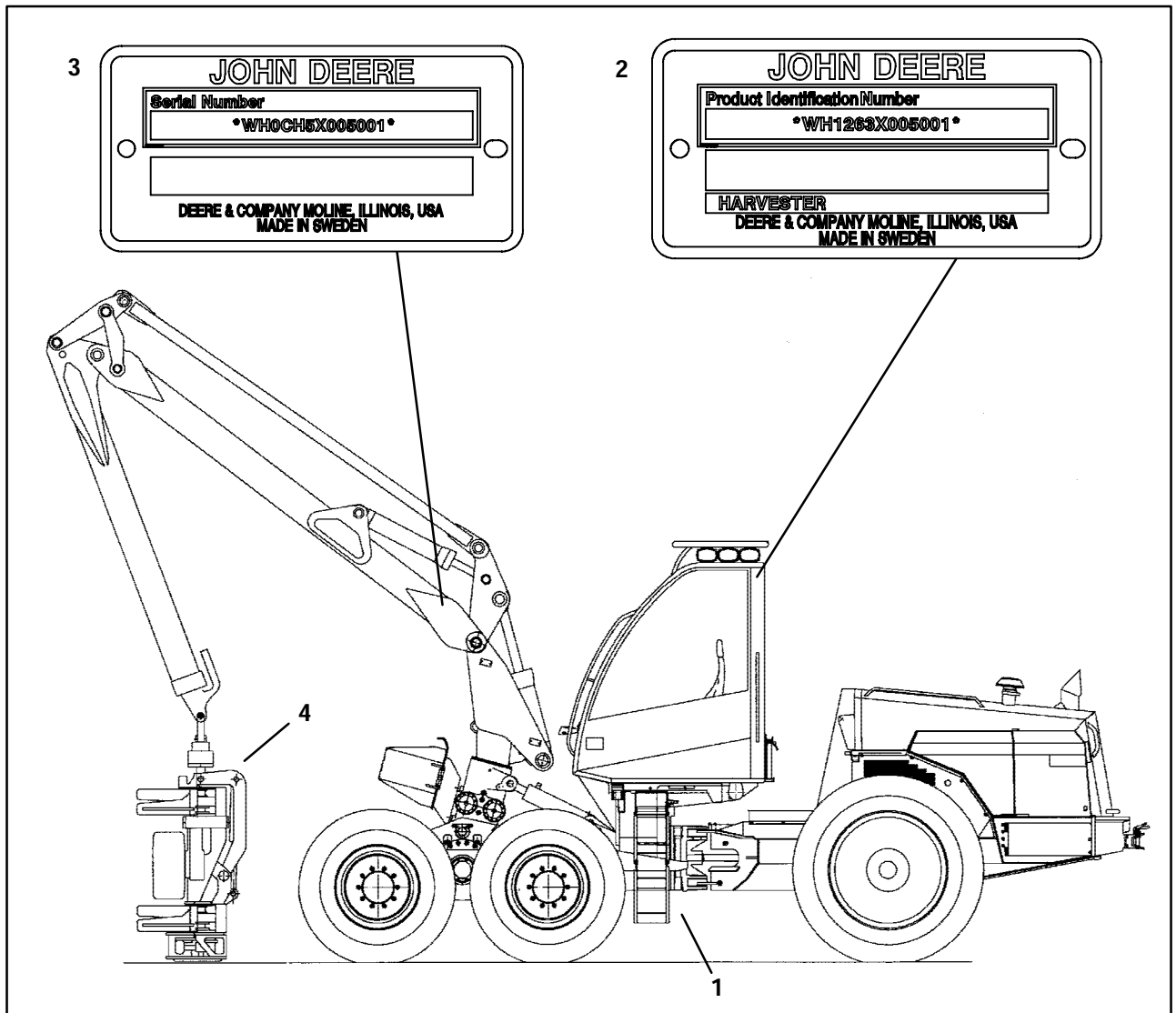
Regular servicing and proper operation is of vital significance for long service life of the machine. The instructions contained in this manual should therefore be adhered to.

Experience shows that a thorough check of the machine at regular intervals is a guarantee for favourable cost efficiency.

Do not pollute the environment. It is imperative that you do not allow oil to leak into the ground or water because it only takes one liter of mineral oil to contaminate one million liters of water. Should you see a leaky joint, fix it immediately.

Remember fire prevention. Keep the machine clean at all times for this reduces the risk of overheating and chance of a fire starting. Have the fire extinguishers checked regularly.

1.2 Location of rating plates and serial numbers



1. Punched serial no.
 - on right side of the frame
2. Rating plate inside the cabin on right rear cab pillar
3. Serial no. for the boom
4. Serial no. for the harvester head

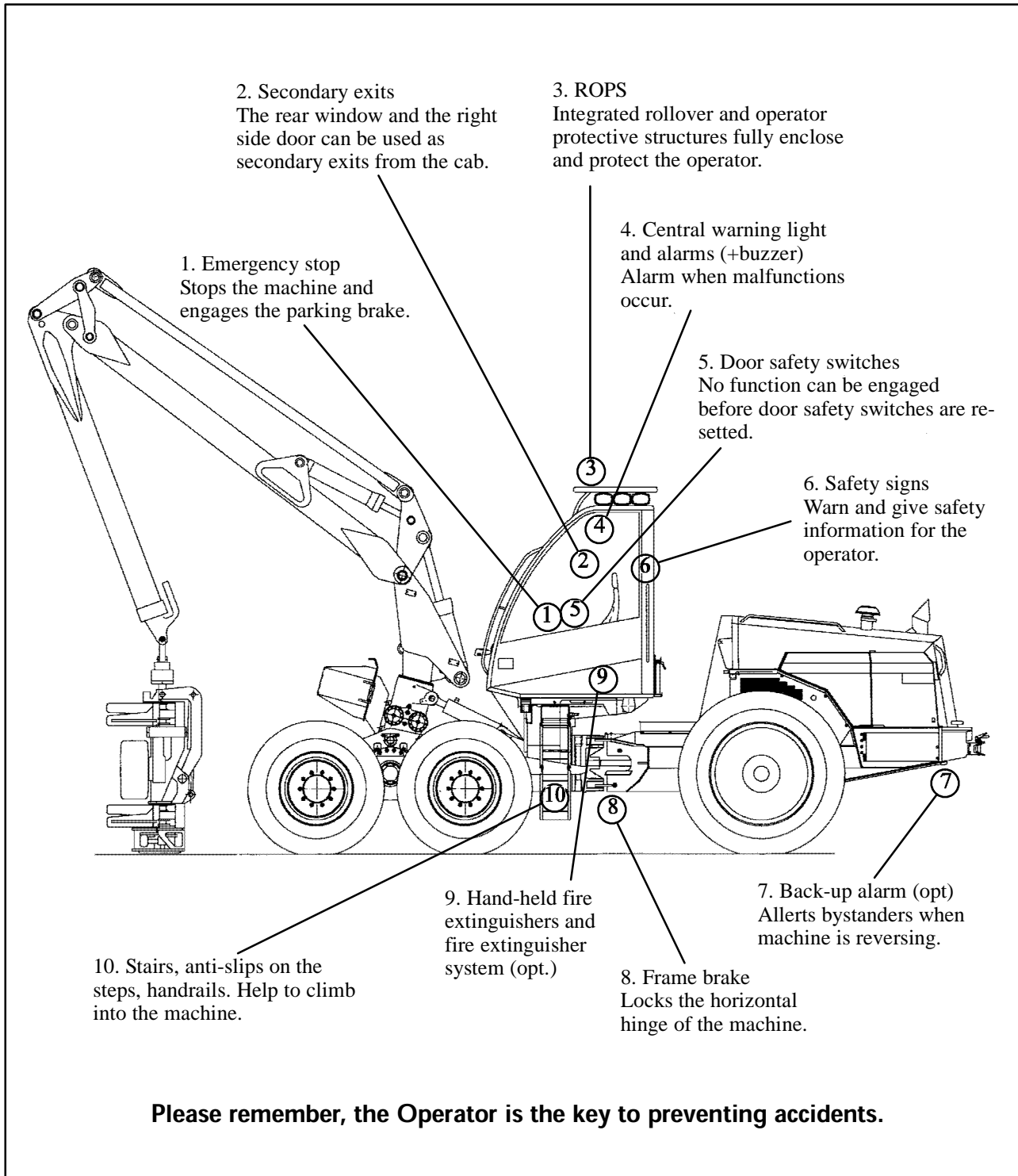
2. Warranty

2.1 Warranty information

For warranty information, see the Warranty Certificate which you should have received from your dealer.

3. Safety instructions

3.1 Safety features



3.2 General

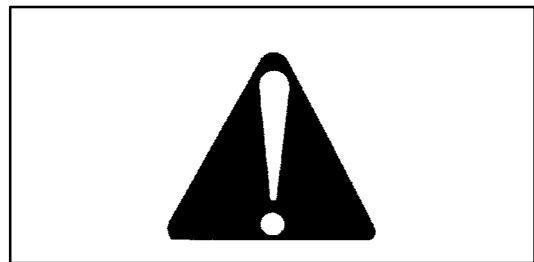
Local legislation takes precedence if any information or instructions in this manual does not conform.

The harvester may only be used or repaired by personnel who have passed training that is approved by John Deere.

Ensure that you are conversant with the relevant laws on occupational safety with regard to forest machines and the safety instructions that apply to the operation of the John Deere harvester. You can study the latter in this manual and on decals affixed to the machine.

3.3 Safety symbol

This warning symbol is used throughout the operator's manual to call your attention to the fact that there is danger of personal injury in cases of carelessness or negligence in following the instructions.



3.3.1 Signal words

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

DANGER and **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.



3.4 General safety rules

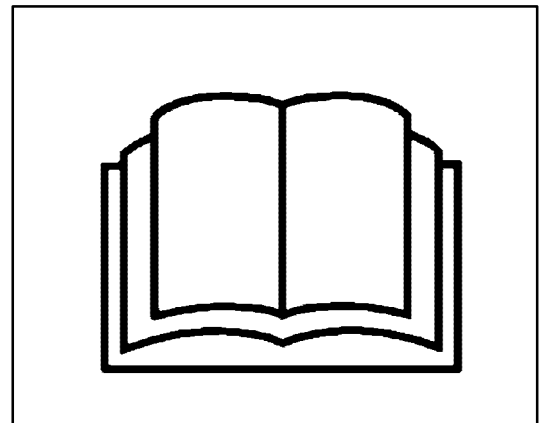
Carefully study all of the safety messages that are in this manual and on the machine.

More specific measures are illustrated with pictograms which may also be attached to the machine in locations pertinent to their respective message.

Keep safety signs in good condition. Repair or replace damaged signs.

The machine may only be used or repaired by personnel who have received training that is approved by John Deere.

Do not let an untrained person operate the machine.



Keep a first aid kit in an easily accessible location on the vehicle at all times. Check the first aid kit regularly and make sure you immediately replace all items you have used.

Learn to use first aid equipment and fire extinguishers. Also you should always know where help can be obtained if necessary.

Use the appropriate working clothes. Loose jackets and sleeves or long hair may get caught in the moving parts of the machine. Rings and other jewellery can get caught in the machinery or cause it to short circuit. Use protective goggles, gloves and safety shoes where required.

Carry no passengers. The vehicle is provided and approved with seating for the operator only.

The machine must not be operated by anyone under the influence of alcohol or drugs.

Avoid using the machine when you are tired or ill, as there is a greater risk of accident. Take sufficient breaks and observe local regulations on working hours.

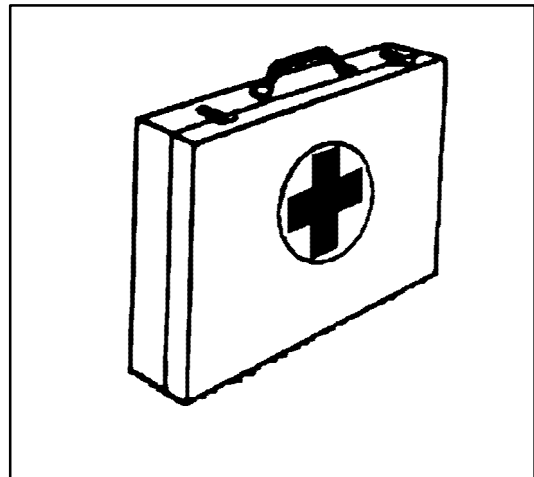
Inspect the machine daily for signs of damage, unusual wear, fluid leaks, or faulty operation. Repair all defects.

Keep windows clean and the cab floor free from loose articles.

Do not operate the machine with the door open or any of the safety covers or protective devices removed.

Do not attach any parts on the cabin by welding nor drill any holes on it because it is a safety cabin. It is forbidden to modify the window fastening.

Adhere to the maintenance schedule in the operator's manual. This will contribute to a safe working environment.



Any use of equipment containing a radio transmitter (eg, telephone, communications radio) that has an antenna inside the cab is strictly **prohibited**. Such equipment must be permanently installed in a proper manner with an antenna on a suitable grounded plate outside the cab.



CAUTION

Never use a headset when there is thunder or lightening. Observe the danger of an outer antenna so that it does not come into contact with power lines.



CAUTION

The manufacturer shall assume no responsibility for any alterations made to the electrical system of the machine if the changes are not in compliance with service bulletins. There is a risk that the function of the safety systems of the machine is jeopardized.



Suggest:

If the above button click is invalid.

Please download this document

first, and then click the above link

to download the complete manual.

Thank you so much for reading

3.4.1 Protective Structures

Cabin is safety tested according to international ROPS, FOPS and OPS standards.

It is important to keep the operator protective structure in place (doors, screens, windows, windshield, etc.) to minimize hazards from whipping or intruding objects.

The protection offered by ROPS, FOPS and OPS will be impaired if cabin

- is subjected to structural damage
- is involved in an overturn incident
- is in any way altered by welding, bending, drilling, or cutting

To maintain ROPS, FOPS and OPS protection, replace damaged cabin parts immediately. A damaged structure should be replaced, not re-used.

<https://www.ebooklibonline.com>

Hello dear friend!

Thank you very much for reading.

Enter the link into your browser.

The full manual is available for immediate download.

<https://www.ebooklibonline.com>