

**Operator's Manual**



# **Large Square Baler CE**

**870N**

**870R**

**870S**

**990N**

**990R**

**990S**

**1270N**

**1270S**

**1290N**

**1290NXD**

**1290S**

**1290SXD**

**12130N**

**12130S**

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# 1 Safety

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## 1.1 Introduction

### 1.1.1 Safety symbol

The safety symbol tells you about a potentially hazardous area!

Look for the safety symbol in this manual and on the machine. The safety symbols tell you that there is important safety instructions in the manual.



Fig. 1

### 1.1.2 Safety messages

The words DANGER, WARNING or CAUTION are used with the safety symbol. Learn these safety messages and obey the recommended precautions and safety instructions.



**DANGER:**  
If you do not obey the recommended precautions and safety instructions, **DEATH OR INJURY will occur.**



**WARNING:**  
If you do not obey the recommended precautions and safety instructions, **DEATH OR INJURY can occur.**



**CAUTION:**  
If you do not obey the recommended precautions and safety instructions, **INJURY can possibly occur.**



Fig. 2

### 1.1.3 Information messages

The words important and note are not related to personal safety, and are used to give information about the operation and servicing of the machine.

**IMPORTANT:** Identifies special instructions or procedures which, if not followed, can cause damage to the machine, the process, or the area around the machine.

**NOTE:** Information to make procedures easier.

### 1.1.4 Safety signs



**WARNING:**  
**Do not remove the safety signs. Replace safety signs that you cannot read, are damaged, or are missing.**

Clean the machine surface with a weak soap and water solution before you replace the safety signs. Replacement safety signs are available from your dealer.

## 1. Safety

Always make sure that safety signs are in the correct locations and that you can read the safety signs. Illustrations of safety sign locations are in this section.

Keep the safety signs clean. If necessary, use a weak soap and water solution.

### 1.1.5 A word to the operator

It is your responsibility to read and understand the safety section in this manual and the manual for all implements before you operate this machine. You are responsible for your safety. Good safety procedures prevent injury to you and the persons around you.

Make the information in the safety section of this manual a part of your safety procedure. This safety section is written only for this type of machine. Safety is your responsibility. You can prevent injury and death.

This safety section gives basic safety examples that can occur during the operation and maintenance of your machine. This safety section is not a replacement for safety instruction in other sections of this manual.

Injury or death can occur if the safety instruction is not obeyed.

Learn how to operate the machine and how to use the controls correctly.

Do not operate the machine if you do not know how to operate the machine. Do not let persons operate the machine that do not know how to operate the machine.

Follow all safety instructions in the manuals and on the safety signs on the machine, the implements, and the attachments.

Use only approved attachments and implements.

Make sure that your machine has the correct equipment that is necessary by the local regulations.

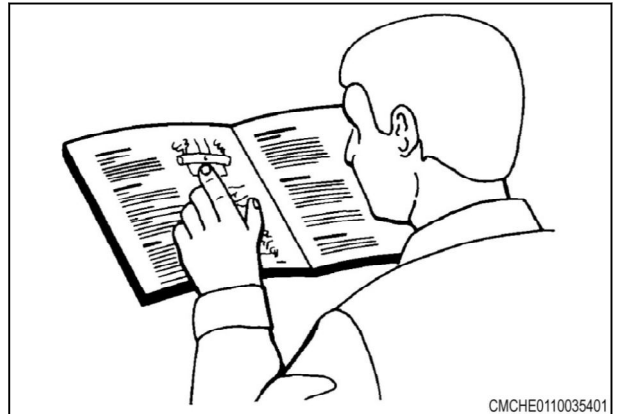


Fig. 3



**WARNING:**  
**Do not use alcohol or drugs that can have an effect on alertness or coordination. If you use prescription or 'over the counter' drugs, get medical advice about the safe operation of machines.**



**CAUTION:**  
**If attachments or implements used with this machine have a different operator manual, see that operator manual for other important safety instructions.**

## 1.1.6 This manual

This manual covers general safety instructions for this machine. Keep this manual with the machine.

Right and left, as used in this manual, are given as if you are in the operator seat.

The photos, illustrations, and data used in this manual were up to date when published, but in-line production changes can make your machine have small differences. The manufacturer reserves the right to redesign and change the machine as necessary without notification.



**WARNING:**

**In some of the illustrations and photos used in this manual, shields or guards are removed. Operate the machine only with all shields and guards in the correct installed positions. If the removal of shields or guards is necessary to make a repair, they must be installed before operation.**

### 1.1.6.1 Operator manual storage

The Operator Manual is stored in the container (1) located on the left-hand side of the machine.

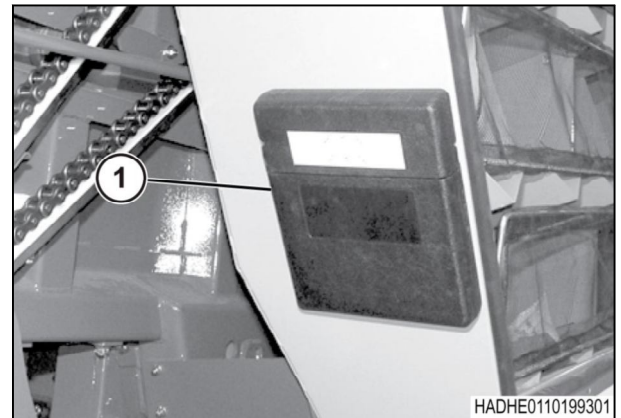


Fig. 4

## 1.2 Operation

### 1.2.1 General information

When parking, park the machine and the tractor on a solid level surface. put all controls in neutral and apply the tractor park brake. Stop the tractor engine and take the key with you.

Make sure the tractor and implement are in the proper operating condition according to the operator manuals. Make sure the tractor brakes and the machine brakes are adjusted correctly.

The tractor must have enough weight and braking capacity, especially when operating on roads and terrain that is not even. Use a tractor of recommended size and weight to tow the machine.

Tractor must be equipped with rollover protective structure (ROPS) and a seat belt. Use seat belt during operation.

Do not dismount from moving machinery.

Always operate the machine with the terminal turned on.

Never start the tractor with the PTO engaged or terminal turned on.

Stay off slopes too steep for operation.

Where possible avoid operating the machine near ditches, embankments, and holes. Reduce ground speed when operating on rough, slippery, or muddy surfaces and when turning or crossing slopes.

Be aware of the size of the machine and have enough space available to allow for operation.

Make sure all persons are clear of the rear of the bale chute when raising and lowering the chute, ejecting or dumping a bale.

Do not stand between the tractor and the implement to install the hitch pin when the tractor engine is running.

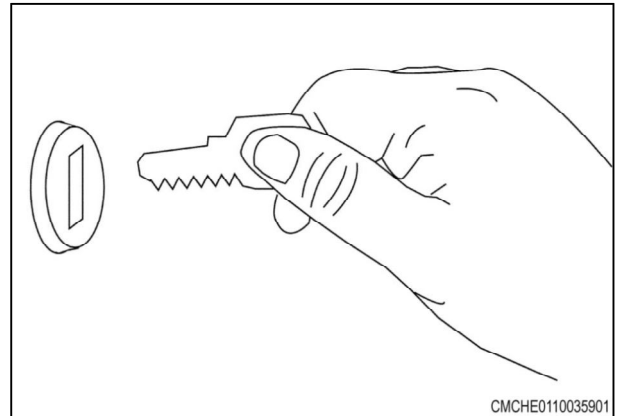


Fig. 5



Avoid contact with electrical power lines. Contact with electrical power lines can cause electrical shock, resulting in very serious injury or death.

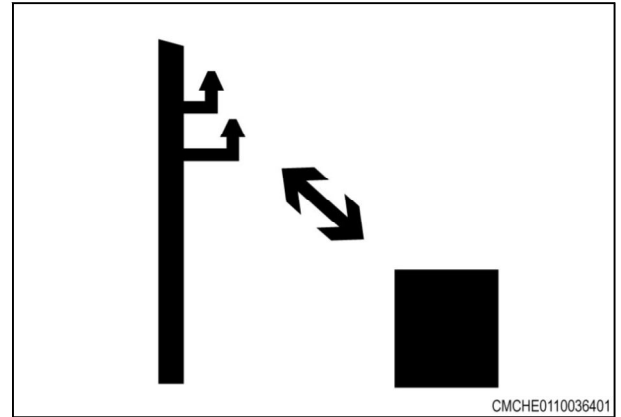


Fig. 6

### 1.2.2 Prepare for operation

Read and understand all operation instructions and precautions in this manual before you operate the machine or do the servicing.

Make sure that you know and understand the positions and operations of all controls. Make sure that all controls are in neutral and that the parking brake is applied before you start the machine.

Make sure that all persons are away from your area of work before you start and operate the machine. Examine and learn the controls in an area that is clear of persons and obstacles before you start work. Know the machine dimensions and make sure that you have sufficient space available to operate the machine. Do not operate the machine at high speeds in crowded areas.

It is important to know and use the correct procedures when you do work around and operate the machine. Do not let children or unqualified persons operate the machine. Keep others, especially children, away from your area of work. Do not let others ride on the machine.

Make sure that the machine is in good condition for operation. Refer to the operator manual. Make sure that the machine has the correct equipment required by local regulations.

All equipment has a limit. Make sure you understand the speed, brakes, steering, stability and load characteristics of this machine and the tractor before you start.

### 1.2.3 Personal protective equipment

Put on all personal protective equipment (PPE) and protective clothes that are supplied to you or that are necessary for the conditions and by applicable laws. PPE includes equipment to prevent injury to your eyes, lungs, ears, head, hands and feet.

Always keep hands, feet, hair, and your clothes away from parts that move. Do not put on loose clothing, jewelry, watches, or other items that can tangle in parts that move. Tie up long hair that can also tangle in moving parts.

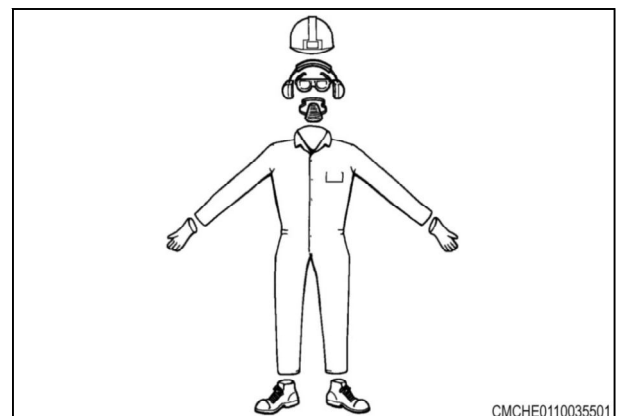


Fig. 7

### 1.2.4 Seat instructions

Put on the seat belt before you operate the machine. Always sit in the seat and have the seat belt on while you operate the machine. Replace the seat belts when they become worn or broken.

Do not use a seat belt loosely. Make sure that there is some tension on the seat belt. Do not wear the seat belt in a twisted condition or pinched between the structural parts of the seat.

Put on the seat belt if the instructional seat is used. Use the instructional seat only to train new operators or to find a problem. The instructional seat is only for short periods of use.

Do not let children use the instructional seat or be in the cab. Do not let other persons use the instructional seat or be in the cab.

Drive the machine at slower speed and on level ground when the instructional seat is used. Do not start, stop, or turn quickly when the instructional seat is used. Do not drive on highways or public roads when the instructional seat is used.

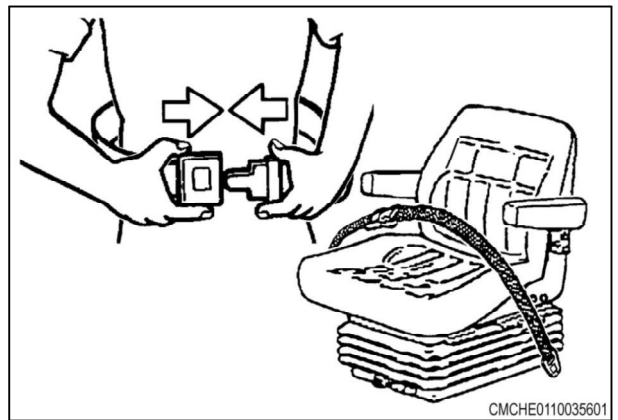


Fig. 8

### 1.2.5 Shield and guards



**WARNING: Entanglement hazard.  
Belts and components that rotate.**

**Severe personal injury or death can occur.**

**Do not open, remove, or put your hand behind shields if the engine is running. Stop the machine before doing service to the machine.**

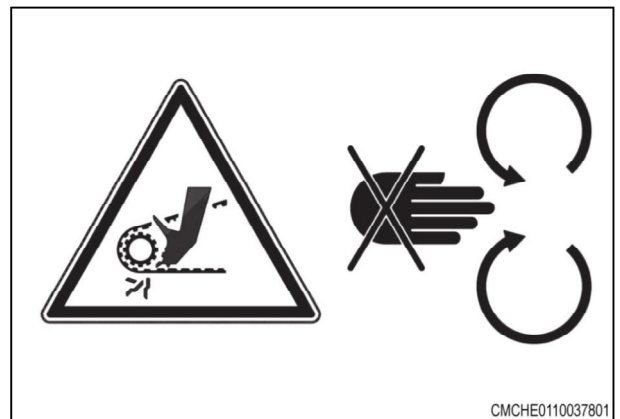


Fig. 9

All shields and guards must be in the correct position and in good condition. Keep away from the components that rotate.



**DANGER: Entanglement hazard.  
Rotating components.**

**Severe personal injury or death can occur.**

**Do not make adjustments or repairs to components while they are moving. Stop the machine before doing service to the machine.**

Do not operate the machine with the drive shaft shields open or removed.

Keep away from the components that turn.

Make sure guards that turn are free.



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Fig. 10

## 1.2.6 Exhaust warning

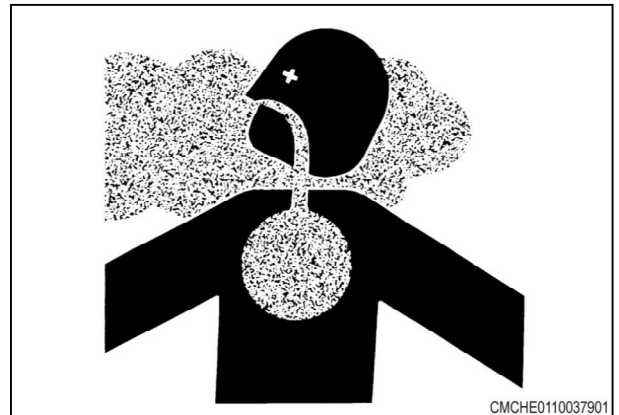


**WARNING: Inhalation hazard. Exhaust gases.**

**Death or serious illness can occur.**

**Do not operate the engine in a closed building unless the exhaust is ventilated to the outside.**

Do not tamper with or modify the exhaust system with unapproved extensions.



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Fig. 11

## 1.2.7 Flying debris



**WARNING:  
Be careful when you operate along the side of a road or structures. Rocks and other materials can be thrown from the machine during operation and can cause injury.**

Stay away from the machine during operation. Some materials can be thrown from the machine during operation and cause injury.



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Fig. 12

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