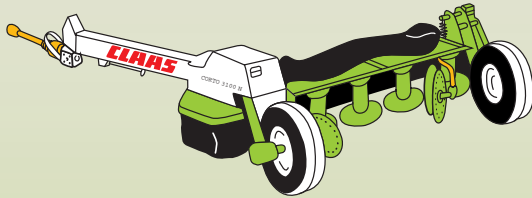


CLAAS



CORTO 3100 S
CORTO 3100 N

Assembly and operator's manual

SERVICE & PARTS

1 Introduction

INTRODUCTION

This operator's manual provides information on the use, adjustment, and operation of your CLAAS drum mower.

Follow advice on correct maintenance and servicing to ensure maximum performance and a long service life of your machine.

In addition, assembly of your machine and regular inspections must be carried out by your specialist workshop. Failure to carry out maintenance work, or incorrect operation will result in poor machine efficiency and loss of valuable time.

Make use of the experience and latest knowledge embodied in this machine by operating and maintaining it properly, then your cutting mechanism, mower unit will always produce good results.

Your CLAAS Service Department

VALIDITY

This operator's manual is valid for

Drum mower:

- CORTO 3100 S / 3100 N
from serial no. 644 0 1001

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3 Preface

OF SPECIAL IMPORTANCE

Please note that the CLAAS drum mower is also simply called 'machine' or 'mower' in the following chapters.

To prevent accidents, this operator's manual must be read by everyone who uses the machine and who deals with maintenance, servicing or inspection.

Some safety devices, covers have been removed only for better presentation of the machine in diagrams. All safety devices, covers must be attached before operating the machine!

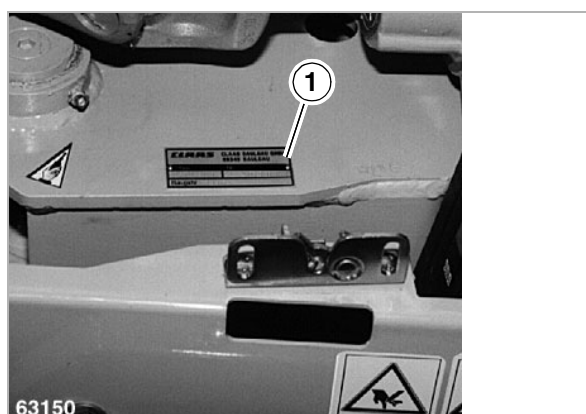
Pay particular attention to the section 'Safety rules' and 'Prior to operation'.

The use of spare parts, accessories and additional equipment which is not originally manufactured, checked and released by CLAAS can have a negative effect on specific design features of the CLAAS machine or on its operability, thereby impairing active and/or passive operating safety, as well as safety at work (accident prevention).

CLAAS will in no way be liable for damage or personal injury caused by the use of non-original CLAAS parts, accessories and additional equipment.

Technical data, dimensions and weights are understood with the usual tolerances.

IMPORTANT: Front, rear, right and left are always understood as in the direction of travel.



1

Always quote the machine number (Fz-Ident-Nr.) (2), the type and the serial number when ordering spare parts and in the event of technical queries. This is essential; otherwise the wrong spare parts may be supplied.

The identification plat (1) with the machine number (Fz-Ident-Nr.) (2) is fitted under the hood on the left hand side.

(Fig. 1, 2)

2

4 Safety rules

Before putting the machine into operation, read the operator's manual and follow the safety instructions.

INTENDED USE

The CLAAS DRUM MOWER is designed solely for use in customary agricultural operations ("intended use").

The mower is suitable and intended for cutting grass on natural or sown meadows.

Use in any other way is considered as contrary to the intended use. The manufacturer is not liable for any resultant losses; the user alone bears the risk.

Designated use also includes observing the service, maintenance and repair conditions as prescribed by the manufacturer.

The CLAAS mower unit may be used, maintained and repaired only by persons who have been trained in its use and who are aware of the dangers involved.

Observe the pertinent accident prevention regulations and other generally acknowledged regulations regarding safety and occupational health, as well as the regulations and standards relevant to motor vehicles and traffic.

Any arbitrary modifications carried out will relieve the manufacturer of all liability for any resulting damage or injury.

IDENTIFICATION OF WARNING AND DANGER SIGNS

All parts of this manual having to do with your safety or the safe operation of the machine are marked with the following signs. Please pass all safety instructions on to other users, too.



Danger!

Sign to indicate instructions which must be observed. Failure to do so would cause danger to life and limb to the operator and the people around him.

- Preventive measures.



Attention!

Sign to indicate instructions which must be observed. Failure to do so could result in damage to the machine.

- Measures to prevent damage to the machine.



Note!

Sign to indicate instructions for a more efficient and economic use of the machine.



Environment!

Sign to indicate instructions which must be observed in order to avoid damage to the environment.

Danger to the environment is caused by irregular handling and incorrect disposal of toxic material (e.g. old oil).

The warning and instruction signs placed on the machine provide important recommendations for safe operation. These instructions involve your safety – observe them at all times!

GENERAL SAFETY AND ACCIDENT PREVENTION INSTRUCTIONS

Basic rule:

Always check the operating and road safety of tractor and machine before starting up!

General:

In addition to the advice contained in this operator's manual, comply with the general rules on safety and accident prevention.

The warning and instruction signs on the machine provide important recommendations for safe operation. These instructions involve your safety – observe them at all times!

Follow the regulations in force when using public roads!

Before starting work, familiarise yourself with all the controls and instruments and their functions, as it will be too late once you have set off.

An adequate safe distance must be maintained from the cutting tools while working!

Safe operation of the mower unit is only possible through appropriate use of the cutting blades according to directions. The special tools provided should be used for fitting!

Check mower unit every time for damaged, missing and worn cutting blades and replace if necessary!

Only replace missing and damaged mower blades in sets as specified by the manufacturer to prevent danger resulting from imbalance !

Check the parts fastening the blades on every change of the cutting blades according to regulations specified by the manufacturer and replace if necessary!

In particular, the inner radius of the blade mounting stud must be checked for wear grooves caused by the blade. At the latest when the wear groove in the stud has reached a depth of 3 mm, all the mounting parts must be replaced, including a new mounting stud.

Similarly, check the rivet heads of the mounting studs in the blade holder for tightness, and for signs of wear on the outer edge of the holder. If necessary, all the blade holders of the mower drum must be replaced with new holders.

The protective canvasses must be checked regularly and worn or damaged protective canvasses must be replaced!

Protective equipment on the mower unit, for example canvases and hoods, protect against flying stones and the like as well as from access to dangerous areas. For this reason they must be placed in safety position before starting work!

Squashing and shearing points arise while the mower unit is being swivelled from the transport position into the working position and vice versa. For this reason, do not step into the area between the tractor and the mower unit. The swivelling process must be carried out when the mower unit is in horizontal position.

The glide discs must be on the ground before putting into operation and while working!

Stones and similar objects can be flung about even when the mower unit is being used correctly. Therefore, nobody should remain in the danger area.

Special care is required when working near roads and buildings!

The working tools of the mower unit continue to run even after switching off the drive. Do not stand close to them until they have stopped.

If you have encountered an obstacle, stop the mower unit immediately and check for damage!

Wear close-fitting clothing when working on the front attachment. Do not wear loose clothing!

Keep the machine clean to prevent fire!

Before starting and before putting it into operation, check the area around the machine (children!). Ensure that you have an adequate view!

Passengers must not be carried on the machine while working or during transport!

Always connect the machine correctly to the tractor and connect and secure the machine to the prescribed couplings!

Always place the jack in the appropriate position when hitching and unhitching the machine – stability!

Use special care when hitching the machine to the tractor and when unhitching the machine!

Make sure that balance weights are correctly fixed at the provided points!

Observe the permissible transport dimensions!

Observe the maximum permissible axle loads and total weights!

Check and mount transport equipment – such as lights, warning devices, and if required protecting devices and guards!

Operating devices (ropes, chains, linkages etc.) of remotely controlled mechanisms must be positioned in such a way that they do not trigger unintentional operation in any transport or operating position!

For road travel, prepare the machine and lock any moving parts as prescribed by the manufacturer!

Never leave the operator's platform when driving!

Always adapt your ground speed to the ground conditions! Avoid making sharp turns when driving up or down slopes or when driving across the slope!

The operating, steering and braking behaviour will be affected by the trailed machine! Therefore ensure adequate steering and braking power!

When making turns, always take into consideration the width and/or inertia of the machine!

Operate the machine only when all safety shields have been attached and are in protective position!

Ensure all persons stand clear of the operating area and of the danger area!

Do not stand in rotation and swivel area of machine!

Check for pinch and shear points on parts that are operated with external force, for instance by hydraulics!

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