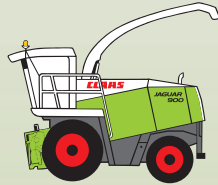


CLAAS



JAGUAR 900 - 830 Profistar
JAGUAR 900 – 830 Speedstar

Type 493

Operator's Manual

SERVICE & PARTS

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1 Introduction

1.1 General Information

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1.1.1 How to use this manual

This Operator's manual is intended primarily for the machine operator and provides information about the use, the settings and operation of the machine.

Provided all instructions regarding maintenance and care of your machine are followed, you can count on many years of reliable service.

Please have your authorised CLAAS dealer carry out the recommended regular inspections. The neglecting of regular maintenance and proper machine operation result in reduced performance and loss of time.

If proper operation and careful maintenance is ensured, your machine which incorporates the latest technology will render you excellent service.

Separate Operator's manuals are available for front attachments and hitched trailers.

Texts and figures

Pictures and graphics apply to all models covered by this manual. Differences are highlighted by captions below the figures.

In general, texts are short and apply to all models covered by this manual. Differences are highlighted by intermediate headings.

Different text categories can be easily identified by the formatting. The following different formattings are distinguished:

Text category	Description
Description	Further information about the subject.
– Procedure instructions	Procedures that must be completed one after the other.
<i>Result</i>	Consequence of the completed procedures.

Document structure based on the assembly structure

The chapters of the present manual are subdivided into assemblies as far as contents permit. The structure of these assemblies is the same in all chapters.

Different product groups have different assembly structures. CLAAS makes every effort to keep this assembly structures identical in any document.

Search and find

Due to the constantly recurring assembly structure, the subject in question can be quickly found using the table of contents or the header of this manual.

In addition, the index provided in this manual is a useful tool for locating a subject. The index can be found on the last page of this manual.

Directions

Front, rear, right and left refer to the direction of forward travel. If necessary, a direction arrow is used for indicating the direction of travel in figures.

Your CLAAS Service Department

1.1.2 Validity of instructions

The present Operator's Manual applies to the following machine / front attachment:

Designation	Type	Machine serial number	
		from	to
JAGUAR 900 - 830	493	49300011	—

1.1.3 Specifications

Technical data, dimensions and weights are given as an indication only. CLAAS reserves the right to make changes subsequently as technical developments continue. Responsibility for errors or omissions not accepted.

1.1.4 Road traffic regulations

When driving the machine on public roads, all conditions of the operating permit and of the special approval must be observed.

Road traffic regulations may vary between countries. In case of discrepancies between the instructions provided by the manufacturer and the traffic regulations of the relevant countries, the traffic regulations of the countries concerned apply.

Documents to be carried on the machine

In addition to his driving licence, the operator must always carry the original of the operating permit and of the special approval.

Objects to be carried on the machine

A warning triangle must be carried on all machines.

On all commercially used machines, a warning triangle, a warning light and a first-aid box must be carried along.

Furthermore, at least one wheel chock must be carried on machines with an allowed total weight above 4 t.

On machines with an allowed total weight above 4 t and a ground speed of up to 40 km/h, at least 2 wheel chocks must be carried.

Excess-width machines

On machines with excess width (width over the tyres), a vehicle type approval registration for individual vehicles (single expert opinion) and a special approval in accordance with § 70, Section 1, clauses 1 and 2 of the StVZO (Regulations Authorizing the Use of Vehicles for Road Traffic) must be carried. Furthermore, all the requirements stated in the vehicle type approval registration for individual vehicles and in the special approval must be observed. The issue of a special

approval differs from country to country. The excess width must be marked in accordance with the regulations for the marking of road vehicles with excess width. (two marker boards at the front and back, protective bar, two amber flashing warning beacons).

Additional weights

Machines to which approved front attachments are fitted or retrofitted for transport on public roads and lanes must have additional weighting on the rear axle according to the StVZO (Regulations Authorising the Use of Vehicles for Road Traffic). This is required in order to prevent the machine from lifting off at the rear when braking and on slopes. The required additional weights can be made up of implements, rear axle weights and liquid filling in the rear axle tyres.

Depending on the weight of the implements and the type of front attachment, the rear axle must additionally be ballasted either with a liquid filling in the rear axle tyres or with the rear axle weights intended for these positions (machine frame). Detailed information on this matter can be obtained from the manufacturer.

Changes on the machine

If any parts of the machine are subsequently modified whose condition is prescribed or the operation of which (after being modified) could represent a hazard to other road users, then the vehicle type approval registration shall no longer be valid and application must be made for a new vehicle type approval registration. In this case the machine must be presented to the motor vehicle safety inspection authority responsible (TÜV) in order to obtain an expert opinion certificate (§ 19 section 2 StVZO).

If you are in any doubt as to whether this situation applies in your case, please contact us as manufacturers.

Carrying a transport carriage / transport trailer

A transport carriage for front attachments may be carried provided the permitted trailing capacity is not exceeded.

A transport trailer for agricultural or forestry goods may be carried provided the permitted trailing capacity is not exceeded.

If a transport carriage or transport trailer is towed behind the machine, the cable for the lighting system must be connected and the good condition of the lighting system ensured.

Registration

As a self propelled working machine with a maximum speed of **above 20 km/h**, the machine is subject to having an operating permit and to having licence plates fitted.

As a self propelled working machine with a maximum speed of **up to 20 km/h**, the machine is subject only to having an operating permit and not to having licence plates fitted.

The machine must be clearly and indelibly marked on the left-hand side with the Christian name and surname of the owner and his address.

Warning beacons

When driving on public roads and lanes it is not permitted to have warning beacons installed unless the machine is of excess width.

Work lights

The work lights must be switched off during road travel!

Maize picker head or header with excess width

When attaching maize headers and front end attachments of excess width, like a 3.30 m direct-cut attachment and a 3.80 m pick-up, then, in Germany, the vehicle type approval registration shall no longer be valid. For these front end attachments a special licence is required in accordance with local road traffic regulations.

Folding front attachments

Following the subsequent fitting of folding front attachments, the operating permit of the machine will expire.

Therefore a new operating permit must be applied for by submitting a new certificate confirming the proper condition of the machine. The operating permit must be applied for at the administration authority (licensing office).

The new certificate is prepared by the "Technical Service" in charge, e.g. the German TÜV (Technical Control Board).

In order to facilitate the approval, a sample certificate can be made available by CLAAS on application and according to the specified type of machine, its serial number and year of construction. It is indispensable to have additional weighting on the rear axle as detailed in the operator's manual to ensure proper control when braking. If the additional weighting is missing, it is unlikely to get a certificate by the Technical Control Board (TÜV).

In the event that the machine is new and self-propelled and was accepted by the Technical Control Board (TÜV) in Harsewinkel, the above stated is not relevant.

1.1.5 Note regarding the electronic engine management

Modern, powerful diesel engines such as those used in CLAAS machines are equipped with an electronic engine management. The engines as well as the electronic engine management are optimally matched to the machine in question and the legal requirements in force regarding the emission of noise and pollutants.

Every intervention into the engine management programmed by the manufacturer results in adverse changes of the factory-set and optimum interplay of engine and machine and in failure to comply with both legal requirements regarding environmental properties and road traffic licensing regulations.

Any subsequent intervention into the electronic engine management will usually void the Operating permit and using the machine on public roads will be prohibited. A fine may be imposed to the owner/user of a machine that has been subsequently fiddled with.

Fiddling with the electronic engine management may result in an increased risk from an insurance law point of view, and consequently in loss of insurance cover in comprehensive and liability insurance.

The manufacturer's warranty shall be excluded in case of damage to the machine caused by subsequent interventions. In case the machine was financed, rented or leased, the forbidden intervention into the engine management may constitute a violation of the contract and may cause liability for damages.

CLAAS expressly dissociates from subsequent interventions into the electronic engine management of CLAAS machines and urgently advises sales partners and end customers not to carry out such interventions. If sales partners participate in such interventions, they may be liable for damage to the machine and any consequential damage.

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1.1.6 Notes on the metal detection system

The metal detector is an aid enabling detection of foreign bodies in good time. However, this aid does not offer absolute safety.

If the machine is equipped with a metal detector, we point out that due to its physical principle, this detector can only identify magnetisable metal objects between the front feed rollers.

In this area, detection of a metal object also depends on the size, the shape and the way this object enters the metal detector's magnetic field which differs due to physical reasons. We therefore do not guarantee a specific rate of detection of metal objects in the fed crop. In the same way, the manufacturer's liability for damage to the machine resulting from any objects pulled in shall be excluded.

When the metal detector has identified magnetisable metal in the crop, it stops the feeder unit automatically.

In this case proceed as follows:

- Start the reverser unit of the feeder unit until the crop is discharged at the front and the feed rollers are free from crop.



Danger!

Carry out repair, maintenance and cleaning work and remove malfunctions only with the machine shut down.

Death or serious injury.

- Diesel engine OFF.
- Engage the parking brake.
- Remove the ignition key.
- Remove the key of the battery isolating switch.
- Secure machine by means of wheel chocks.
- Ensure that the machine cannot be put into operation by third-party persons.

- Remove the metal object from the feeder unit or front attachment area so that it cannot enter the feeder unit again.

Removing of foreign objects from the crop is allowed only outside of the feeder unit and outside of the front attachment!

Objects that can be identified by the metal detector (examples)

- Tines*
- Hand tools made of metal*
- Steel wire*
- Pins and metal rods*

*as far as these consist of magnetisable metal

Objects that cannot be identified by the metal detector (examples)

- Stones and rocks
- Concrete without steel
- Stainless steel
- Aluminium
- Wood
- Copper and brass

33651

1.1.7 Note on the stone detector

The stone detector is an aid enabling detection of foreign bodies in good time. However, this aid does not offer absolute safety.

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