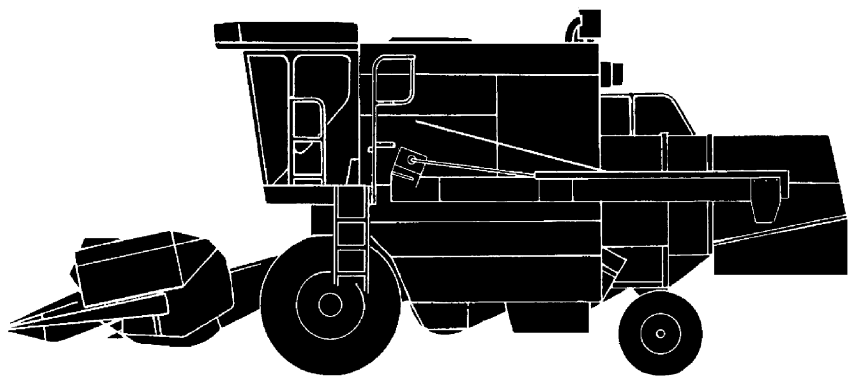


OPERATOR'S MANUAL

CLAAS



CLAAS
DOMINATOR 68 S

Read and observe the safety instructions!

1

Introduction

INTRODUCTION

This operating manual on the CLAAS DOMINATOR 68 S combine is primarily intended to give the machine operator information on setting, using and servicing the combine.

Texts and pictures in this manual are general. Differences are indicated by picture legends or by notes in the text.

Operation and maintenance of important auxiliary equipment is also covered in this manual. Please read the instructions which apply to the appropriate auxiliary equipment on your combine.

Provided you follow the advice on the care and servicing of your machine, you will be rewarded with reliable and long service from your combine harvester.

We recommend that you allow your authorized CLAAS dealer to carry out the regular maintenance. Omissions of parts of the maintenance schedule or incorrect operation lead to a drop in performance and cost valuable time. Through correct servicing and operation, you can make full use of our sound experience and of the latest technical knowledge in combine harvesting with which your combine has been designed and thereby ensure the reliability of your combine harvester.

Apart from this operating manual, the following manuals can also be ordered from your CLAAS dealer:

- Threshing Instructions for Special Crops.
- Fitting and Operating Instructions for Ancillary Equipment.

CLAAS Service Department

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3

General Information

ROAD TRAFFIC REGULATIONS

In addition to his driving licence, the operator must always carry the copy of the vehicle type approval registration issued by the Kraftfahrt-Bundesamt (Federal Motor Vehicle Executive), a warning triangle and, on machines over 4 t permissible total weight, at least one wheel chock on the combine.

When driving on public roads with the combine, comply with all the requirements stated under letter C in the copy of the vehicle type approval registration (§18 Section 5 StVZO) issued by the Kraftfahrt-Bundesamt (Federal Motor Vehicle Executive).

On machines with exceptional width (width over tyres), a vehicle type approval registration for individual vehicles (single expert opinion) and an special approval in accordance with §70, Section 1, clauses 1 and 2 of the StVZO must be carried instead of the General Operating Permit. 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 warning panels at the front and back, protective bar, two warning lights for yellow flashing (rotaflare) lights).

If any parts of the combine 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.

If a transport vehicle for attachments is towed behind the combine then the cable for the lighting system must be connected and the good condition of the lighting system assured.

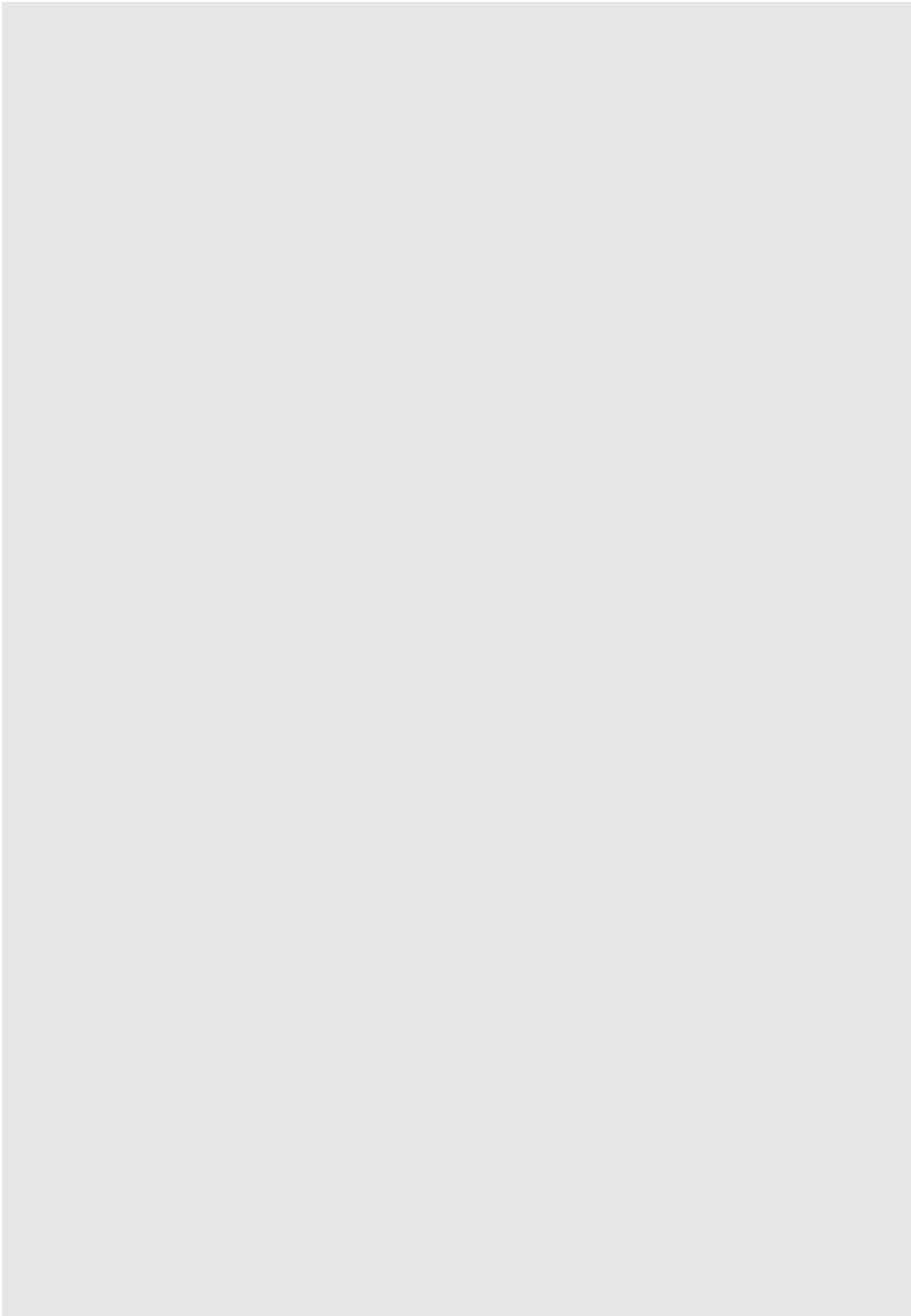
If the combine is equipped with a maize header or folding cutterbar, the regulations and requirements of the General Operating Permit must be observed, in particular the requirements concerning ballast weights and tyres.

Registration

As a self-propelled working machine with a maximum speed of less than 20 kph the combine is not subject to the normal registration regulations and is not required to bear a registration plate. The machine must, however, be clearly and indelibly marked on the left-hand side with the christian name and surname of the owner and his address.

The towing of trailers in the trailer hitch when driving on public roads is **not** permitted.

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.



IMPORTANT NOTE

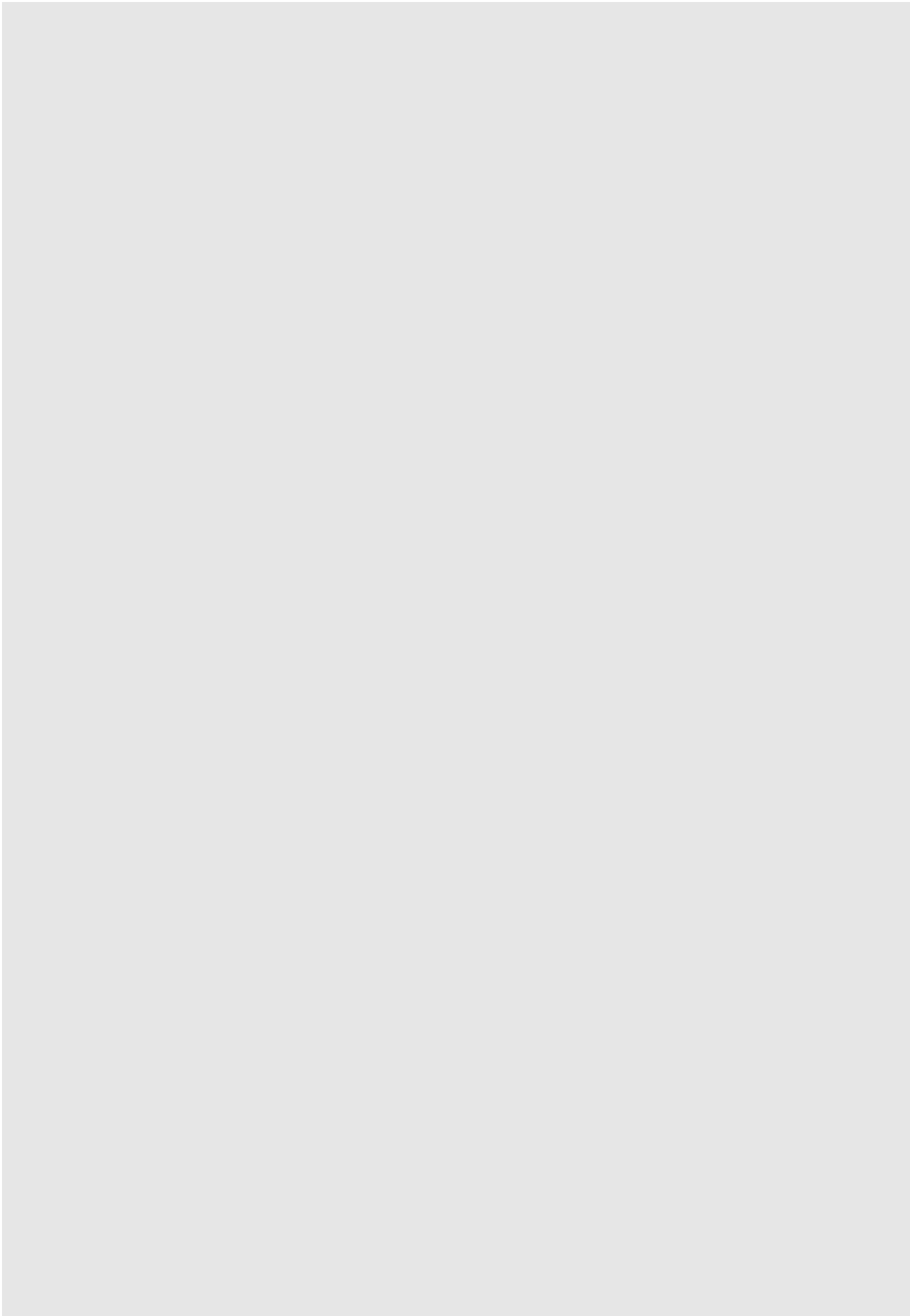
The instructions contained in this manual should be carefully read and observed by all persons who are concerned with the operation, maintenance and inspection of this machine, in order to prevent accidents. In particular read the section »Safety Rules«.

The use of spare parts, accessories and ancillary equipment which are not originally manufactured by CLAAS and have not been tested and approved by CLAAS can change design characteristics of the CLAAS machine or can detract from its functional performance, with a possible adverse affect on the active and/or passive operational safety of the machine and its occupational safety standards (accident prevention).

CLAAS are in no way liable for any damage or personal injury caused as a result of the use of other than original or approved CLAAS parts, accessories and ancillary equipment.

Technical data, dimensions and weights are given as an indication only. CLAAS reserve the right to make changes subsequently as technical developments continue. No responsibility is accepted for errors or omissions.

Front, rear, right and left always refer to the direction of travel.



The diagram shows a rectangular identification plate with the following fields and labels:

- Top Labels:** B, C, D, E, F, G
- Left Side Labels:** A (pointing to the leftmost column of boxes)
- Right Side Labels:** H (pointing to the rightmost column of boxes), I (pointing to the ECE engine designation box)
- Fields:**
 - Typ: []
 - Ident.Nr.: []
 - Bereifungen vorn u. hinten: []
 - Zul.Ges. Gewicht: []
 - zul.Achslast vorn: []
 - zul.Achslast u. hinten: []
 - Bauj. kw: []
 - 24 R - 03 (ECE engine designation)
 - Poids total autorise en charge: []
 - RECEPTION des MINES: []
 - CHARTRES le: []
- Bottom Text:** CLAAS Selbstfahrende Erntemaschinen GmbH, 33428 Harsewinkel, Made in Germany

27671

IDENTIFICATION PLATE / SERIAL NUMBER ¹

- A = Tyres
- B = Authorised gross weight
- C = Type
- D = Identification No. (machine serial number)
- E = Authorised front axle load
- F = Year of manufacture
- G = Rated capacity of engine (kW)
- H = Authorised rear axle load
- I = ECE engine designation

(Fig. 1)

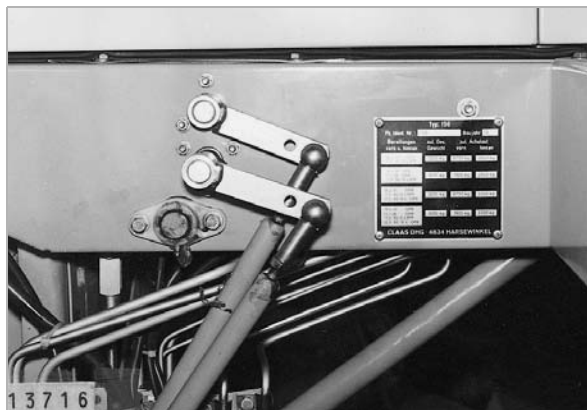
When ordering spare parts and requesting technical information, always specify the serial number of the combine. When ordering spare parts and requesting technical information on the engine, front attachments, cutterbar and maize picker head, also quote the respective serial numbers.

This is necessary to prevent incorrect spare parts deliveries.

Identification plate

The identification plate is located on the right-hand side of the operator's platform

(Fig. 2)

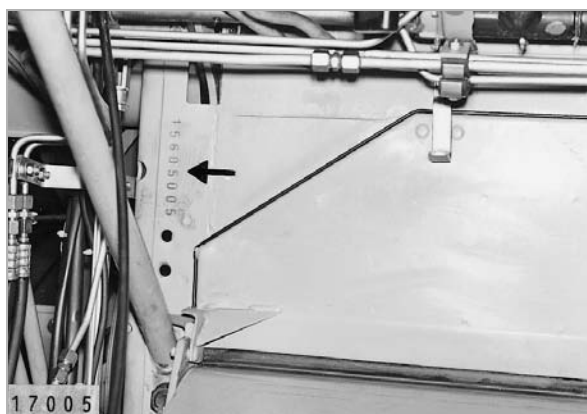


2

Combine serial number

The combine serial number is stamped on the combine frame underneath the operator's platform on the right-hand side of the machine.

(Fig. 3)



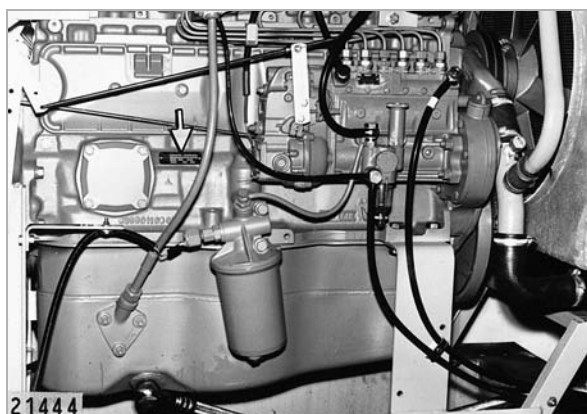
3

Engine serial number

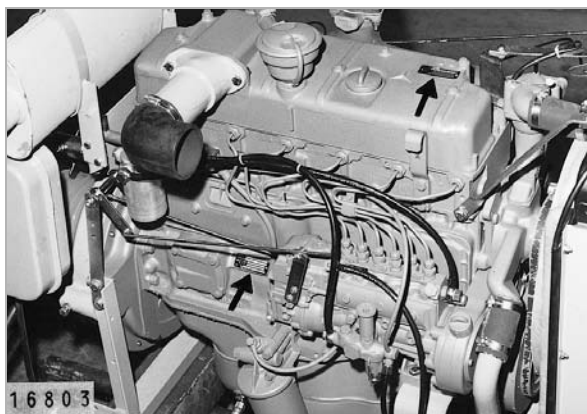
MERCEDES OM 366

The identification plate with the engine serial number is attached to the engine block between the oil filter and the fuel injection pump.

(Fig. 4)



4



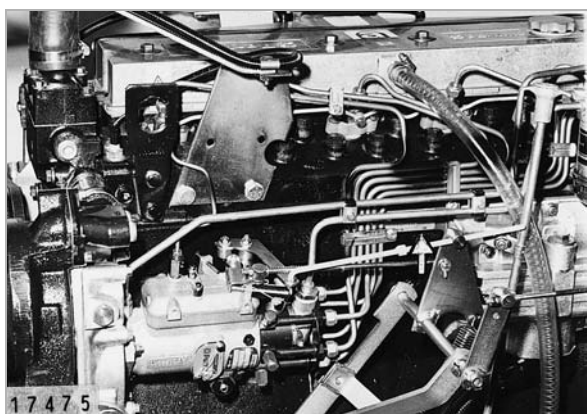
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Engine serial number

MERCEDES OM 352

The identification plate with the engine serial number is attached to the engine block next to the fuel injection pump.

(Fig. 5)



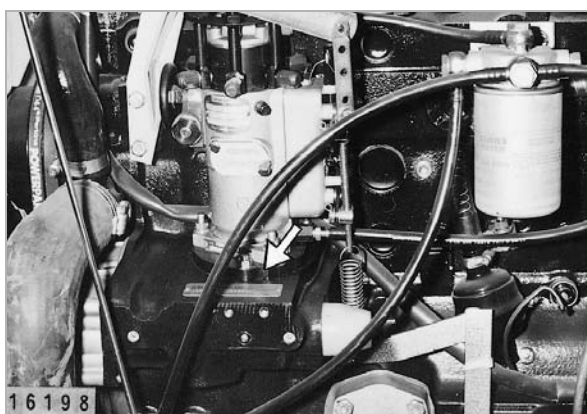
6

Engine serial number

PERKINS 1006.6

The identification plate with the engine serial number is attached to the engine block between the fuel injection pump and the oil cooler.

(Fig. 6)



7

Engine serial number

PERKINS 6.3544

The engine serial number is stamped into the base of the fuel injection pump.

(Fig. 7)



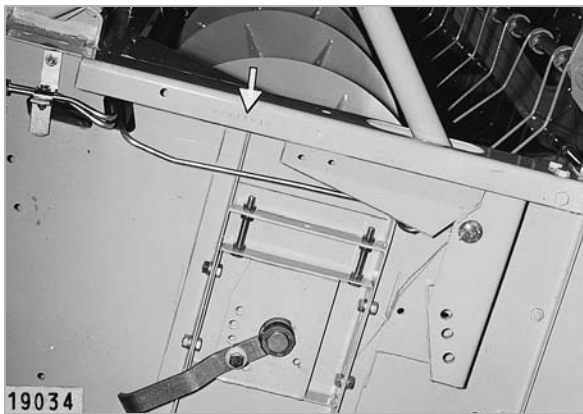
8

Engine serial number

PERKINS 1006-60 T

The identification plate with the engine serial number is located alongside the fuel filters.

(Fig. 8)



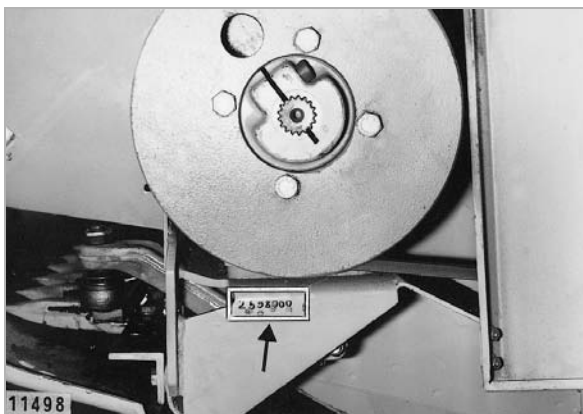
9

Cutterbar serial number

(from Serial No. 281507)

The cutterbar serial number is stamped into the U-profile on the right-hand side of the cutterbar.

(Fig. 9)



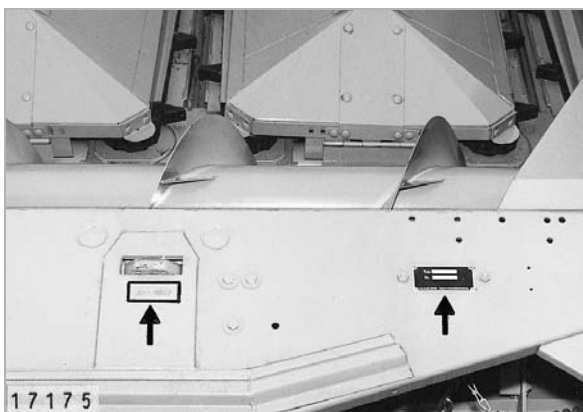
10

Cutterbar serial number

(up to Serial No. 281506)

The cutterbar serial number is stamped into the left-hand end of the cutterbar below the knife drive casing.

(Fig. 10)



11

Maize picker head

The identification plate with the picker serial number is attached to the right-hand end of the picker cross plate.

(Fig. 11)

Maize picker head serial number

The serial number of the maize picker head is stamped onto the picker cross plate next to the coupling hole.

(Fig. 11)



12

Straw chopper

The chopper serial number is stamped into the left-hand chopper side plate.

(Fig. 12)



13

Cab

The cab serial number is located on the left-hand side frame at the top towards the rear.

(Fig. 13)



14

Cutterbar trailer

The trailer serial number is stamped into the identification plate at the front end of the main tube on the right-hand side.

(Fig. 14)

4

Safety Rules

SAFETY RULES

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



Danger!

The following symbols are used at all points in this manual relating to your safety and the safety of the machine. Pass on all safety precautions also to any other users of the machine.

The warning and instruction signs placed on the combine provide important information for safe operation. They are intended for your safety - observe them at all times!

Intended use

This self-propelled combine is designed solely for use in customary agricultural operations («intended use»).

Use in any other way is considered as being contrary to the intended use. The manufacturer accepts no liability for any damage or injury resulting from this misuse and these risks must be born solely by the user.

Compliance with and strict adherence to the conditions of operation, service and repair as specified by the manufacturer also constitute essential elements for the intended use.

This combine should be operated, serviced and repaired only by persons familiar with all its particular characteristics and acquainted with the relevant safety rules (accident prevention).

The accident prevention regulations, all other generally recognised regulations on safety and occupational medicine and the road traffic regulations must be observed at all times.

Fitting and retrofitting of ancillary parts which are not original CLAAS accessories as well as modifications and alterations may only be carried out with the approval of CLAAS as they can significantly impair the safety and functional reliability of the combine.

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

General Safety and Accident Prevention Regulations

1. In addition to the instructions contained in this operator's manual, also observe the general safety and accident prevention regulations.
2. Always comply with local traffic regulations when driving on public roads!
3. Before starting work, familiarise yourself with all the controls and instruments and their functions. During work or road travel it is too late!
4. Before starting the engine ensure that the transmission is in neutral and that all guards are installed and in their correct position.
5. Start the engine only from the operator's seat. Never attempt to start the engine by shorting across the starting motor terminals as the machine may immediately start to move!
6. Before moving away, always check the immediate vicinity of the machine (e.g. for children). Ensure adequate visibility. For a warning, always blow the horn before starting up!
7. Never run the engine in a closed building!
8. Clothing worn by the operator must be close-fitting. Avoid wearing loose jackets, shirts or ties!
9. Handle fuel with care as it is highly flammable. Never refuel the machine in the vicinity of naked flames or sparks. Do not smoke during refuelling!
10. Always stop the engine and remove the ignition key before refuelling. Fill the fuel tank outdoors. Clean up any spilled fuel immediately!
11. Prevent fires by keeping the machine clean!
12. Take care when handling brake fluid and battery acid (toxic and corrosive)!
13. Before starting the engine and before switching on the threshing mechanism, always sound the horn as a warning - pay attention to children!

Transporting passengers, co-driver, operating personnel

1. A passenger may only be carried if a proper passenger seat is fitted.
2. The carrying of passengers is otherwise not permitted!

Operation

1. Observe the maximum permissible axle loads and total weights!
2. The operating, steering and braking behaviour of the combine are affected, e.g. by the road surface and attached implements. Therefore always adapt your speed to the slope and ground conditions. Particular care is required when working on and driving up, down or across a slope and when the grain tank is full. Never depress the clutch and allow the combine to roll when driving down a slope!
3. The grain tank must be empty when driving on public roads and lanes!
4. Never leave the operator's platform/cab when driving!
5. Keep a safe distance away from low overhead power lines (pay attention also to the radio and CB radio aerials, if installed)!
6. When moving the combine on public roads with the front attachment raised, the master safety switch must be switched off!
7. Before starting to drive and operate the combine harvester adjust the rear view mirror(s) to give full vision of the road and of the working area behind the combine!
8. When driving on public roads and lanes with the cutterbar fitted, the finger bar and crop lifters must be covered!

Leaving the combine harvester

1. When leaving the combine harvester, ensure that it will not roll away (apply handbrake, fit wheel chocks). Shut off the engine, remove the ignition key and lock the operator's cab (if equipped)! Turn off the battery isolator switch!
2. Never leave the combine unattended as long as the engine is still running!
3. Lower front attachments (cutterbar, etc.) to the ground before leaving the combine!

Front attachments (cutterbar, etc.) and other components

1. Work under raised attachments (cutterbar, etc.) only when you are sure that the attachment is safely supported!
2. Particular care must be taken when fitting front attachments (cutterbar, etc.) or hitching trailers to the combine!
3. Cutterbar, mower bar, feed auger and reel, etc. cannot be completely shielded by design measures due to their function. For this reason, an adequate safety distance must be maintained to these moving elements during operation!
4. Gatherer chains and snapping rolls of the maize picker head cannot be completely shielded by design measures due to their function. For this reason, an adequate safety distance must be maintained to these moving elements during operation also! These instructions apply analogously for all other attachments.
5. The straw chopper has safety guards surrounding dangerous rotating blades which may continue to rotate for a certain time after the drive has been switched off. For this reason, an adequate safety distance should be maintained to the straw chopper until the drive has come to a complete standstill.
6. The augers located inside the grain tank cannot be shielded completely against accidental contact due to their function. Use a rod to clear blockages and a scoop or similar vessel to take grain samples - never use your hands or feet.
7. Before entering the grain tank, be sure that the drive is disengaged and the engine has been stopped. Ensure that no other person can restart the engine.

Compressor-type air conditioning system

1. The air conditioning system is filled with CFC refrigerant R 134 A. CFC refrigerants must not be allowed to escape into the atmosphere! Particular care must therefore be taken when working on the compressor-type air conditioning system.
2. Maintenance and repair work may only be carried out by air conditioning system service workshops. Refrigerant must always be drawn off and disposed of for recycling.

Maintenance

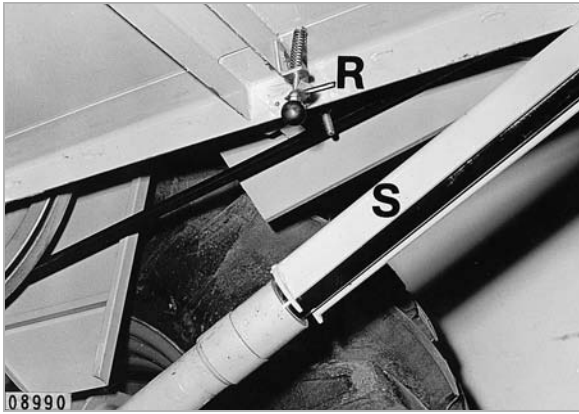
1. Repair, service and cleaning work and the elimination of malfunctions should only be performed with the drive and engine switched off. Remove the ignition key!
2. Escaping fluid (fuel, hydraulic oil, etc.) under high pressure can penetrate the skin and cause serious injury. If any fluid is injected into the skin, consult a doctor immediately as otherwise serious infections may result!
3. Be careful when opening the radiator filler cap. As long as the engine is hot, the radiator is under pressure!
4. Dispose of oil, fuel and filters in the prescribed manner!
5. Do not attempt to mount a tyre unless you have the proper equipment and experience to perform the job safely!
6. Retighten the wheel nuts at regular intervals!
7. Only have qualified workshops carry out maintenance and repair work on the hydraulic system!

Basic rule

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

Sound pressure level

The sound pressure level at the operator's ear in the cab with doors and windows closed is 82 dB(A).



Safety lock



Danger!

Work under raised front attachments (cutterbar, maize picker head, etc.) only when you are sure that the front attachment is safely supported.

1

Raise the feeder house as far as it will go.

Release safety lock (S) at latch (R) and lower the safety lock over the rod of the hydraulic cylinder.

When operating the combine, secure the safety with latch (R).

(Fig. 1)



2

Fire extinguisher

Have the serviceability of the fire extinguisher checked at regular intervals, but at least every other year.

The fire extinguisher must be installed on the left-hand side of the machine, to the right-hand side of the step of the operator's platform.

(Fig. 2)



3

Battery isolator switch

Isolator switch (H) cuts off the electrical power supply to the whole machine.

E = ON (turn clockwise)

A = OFF (turn anti-clockwise)

Turn off the isolator switch in case of emergency and after a day's work has been completed.

IMPORTANT! Do not turn off the battery isolator switch while the engine is running.

(Fig. 3)

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