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W50 - W60 W70 - W80

WHEEL LOADER

Workshop Manual

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THIS ALERT SYMBOL SIGNALS IMPORTANT MESSAGES INVOLVING YOUR SAFETY.

Read and heed carefully the safety instructions listed and follow the precautions recommended to avoid potential risks and to safeguard your health and your safety.

You will find this symbol in the text of this Manual referred to the following key words:

WARNING - Cautions directed to avoid improper repair interventions involving potential consequences for the safety of the personnel performing the repairs.

DANGER - These warnings qualify specifically potential dangers for the safety of the operator or other persons directly or indirectly involved.

IMPORTANT NOTICE

All maintenance and repair interventions explained in this Manual **must be performed exclusively by the Service Organisation of the Manufacturer**, observing strictly the instructions explained using, whenever necessary, the recommended specific tools.

Whoever performs the operations reported without following exactly the precautions is responsible on his own, for the damages that may result.

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In any case, no warranty of any kind is made or shall be imposed with respect to products manufactured or merchandised by the Factory, when failures are caused by the use of parts and/or components not approved by the Factory.

AVOID ACCIDENTS

Most accidents, whether they occur in industry, on the farm, at home or on the road, are caused by the failure of some individuals to follow simple and fundamental safety rules and precautions. For this reason **MOST ACCIDENTS CAN BE PREVENTED** by recognising the real cause and doing something about it before the accident occurs.

Regardless of the care used in the design and construction of any type of equipment, there are many conditions that cannot be completely safeguarded against without interfering in the reasonable accessibility and efficient operation.

A careful operator is the best insurance against an accident. The complete observance of one simple rule would prevent many serious accidents.

The rule is simple: never attempt to clean, lubricate or maintain a machine while it is in motion.



WARNING

Prior to engaging in any maintenance, adjustment or repair operation on machines having hydraulically, mechanically, and/or cable controlled equipment (such as shovels, loaders, dozers, excavators etc.) be certain the equipment is lowered to the ground.

If it is necessary to have the equipment partially or fully raised to gain access to certain items, be sure the equipment is suitably supported by means other than the devices used for controlling the equipment.

PREFACE

The **Workshop Manual** has been written for the **repair specialist**. It provides important information on carrying out repair work expertly.

Please go carefully through the **Workshop Manual** as well as the Operation and Maintenance Instruction Manual for the **wheeled loader** before starting any repair work. Use the **Workshop Manual** as well as the **Operation and Maintenance Instruction Manual** and **Parts Catalog** as a reference book and source of information even if you are familiar with wheeled loader technology.

Using the Workshop Manual, the experience construction machine mechanic can carry out any necessary repairs expertly.

HANDLING

The Workshop Manual is divided into main groups and subgroups, and covers the originally delivered version of the machine. Any additions or modifications undertaken at a later date are not described in this manual.

The required information can easily be found by referring to the table of contents.

For reasons of clarity, some of the illustrations are presented in simplified form. Differences from the actual version at the wheeled loader are therefore possible if this adds to the clarity of the information.

REPAIR

Carry out any necessary repair work as soon as possible. This reduces repair costs and increases the availability of your wheeled loader.

When doing any work on the wheeled loader, always observe the instructions given in the Workshop Manual and in the Operation and Maintenance Instruction Manual.

Extensive works not described in the Workshop Manual will gladly be executed for you by the dealer.

Always use **original spare parts** only.

NOTES:

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