

PART NO. WNHB-E-00

HITACHI

ZW370-G WHEEL LOADER WORKSHOP MANUAL

Workshop Manual

ZW 370-G Wheel Loader

 **Hitachi Construction Machinery**

URL:<http://www.hitachi-c-m.com>

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Service Manual consists of the following separate Part No.
Technical Manual (Operational Principle) : Vol. No.TONHB-E
Technical Manual (Troubleshooting) : Vol. No.TTNHB-E
Workshop Manual : Vol. No.WNHB-E

Foreword

To ensure good machine performance, reduce failures or problems, and prolong the service life of each component, it is necessary to operate the machine as is directed in the Operator and Maintenance Manual.

To effectively diagnose and repair the machine, it is important to follow the guidelines laid out in this Shop Manual.

Disassembly & Reassembly Service Standard

For the engine, refer to the engine Shop Manual provided by the engine manufacturer.

The purpose of this manual is to provide information on the product and the correct maintenance and repair methods. Please read this manual to ensure correct troubleshooting and good repair service.

This manual will be periodically reviewed and revised for more satisfactory content. If you have any opinion or requests, please inform us.

Safety precautions

The most important point in providing repair service is safety. To ensure safety, observe the general cautions described below.

- This manual is intended for properly trained and equipped service technicians.
 - Any work on the machine must be performed by the trained personnel only.
 - Carefully read this manual to thoroughly understand the operation method before you operate or repair the machine.
 - Be sure to wear appropriate clothes and protectors, such as safety boots, hard hat and goggles.
 - Place the machine on level and solid ground, and place chocks against the wheels to prevent movement.
 - Remove the cable from the battery before starting the service work, and attach a "DO NOT OPERATE!" tag to the steering wheel.
 - Be sure to release the internal pressure before you remove a pipe, such as the hydraulic oil, air, or engine coolant pipe.
 - Be sure to apply the articulation stopper before starting work.
 - While supporting the bottom of the chassis using a jack, be sure to support the chassis using the blocks.
 - When the boom or bucket is raised or when a unit is lifted by a crane, be sure to place a stand or adequate cribbing under the unit to prevent unexpected dropping.
 - Do not start to work in an enclosed area if adequate ventilation is not provided.
 - To remove a heavy unit (20 kg (40 lbs) or more), be sure to use a crane or other lifting device.
 - Just after stopping operation, be careful not to directly touch a hot component. You may get burned.
 - Contact tire manufacturer's local dealer for tire servicing and changing.
- Always store the tools in good condition, and use them properly.
 - Keep the work area clean. Clean up spills immediately.
 - Avoid the use of flammable solvents and cleaners.
 - When working outdoors keep work areas, ladders, steps, decks and work platforms clear of snow, ice, and mud.
 - Use safe work platforms to reach higher areas of the machine.
 - Any technician that operates a refrigerant recovery and recycling machine must first be certified through and EPA approved testing program.

Safety Symbols

An accident may occur if you disregard safety rules.

In this manual, several expressions are used according to levels of danger for inspection and repair work as shown below. Read the work procedures and cautions described in this manual, and take preventive measures against possible problems before starting service work.

DANGER

This danger symbol identifies special warnings or procedures which, if not strictly observed, will result in death or serious injury.

WARNING

This warning symbol identifies special warnings or procedures which, if not strictly observed, could result in death or serious injury.

CAUTION

This caution symbol identifies special instructions or procedures which, if not strictly observed, may result in minor or moderate injury.

IMPORTANT

This important symbol identifies special instructions or procedures which, if not correctly followed, may result in serious machine damage.

We cannot predict all possible accidents or incidents that may occur during service work. Therefore, an accident that is not specifically mentioned in this manual may occur. To protect yourself from all accidents, be careful when doing service work.

MEMO

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