

Operation & Maintenance Manual

FORKLIFT TRUCK

FH100-1

FH120-1

FH135-1

FH160-1

SERIAL NUMBERS

FH100-7001

FH120-7001

FH135-7001

FH160-7001

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WARNING

Unsafe use of this machine may cause serious injury or death. Operators and maintenance personnel must read this manual before operating or maintaining this machine. This manual should be kept near the machine for reference and periodically reviewed by all personnel who will come into contact with it.

KOMATSU

FOREWORD



WARNING: Breathing diesel engine exhaust exposes you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

- Always start and operate the engines in a well-ventilated area.
- If in an enclosed area, vent the exhaust to the outside.
- Do not modify or tamper with the exhaust system.
- Do not idle the engine except as necessary.

For more information go to [www. P65warnings.ca.gov/diesel](http://www.P65warnings.ca.gov/diesel)



WARNING: This product can expose you to chemicals including lead, which is known in the State of California to cause cancer and birth defects or other reproductive harm.

For more information go to [www. P65warnings.ca.gov](http://www.P65warnings.ca.gov).

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READ THIS MANUAL

This manual gives details of the operation and methods of inspection and maintenance for this forklift truck that must be observed in order to use the forklift truck safely. Most accidents are caused by the failure to follow fundamental safety rules for the operation and maintenance of forklift trucks.

Read, understand and follow all precautions and warnings in this manual and on the forklift truck before performing operation and maintenance. Failure to follow these instructions will result in property damage or serious personal injury or death.

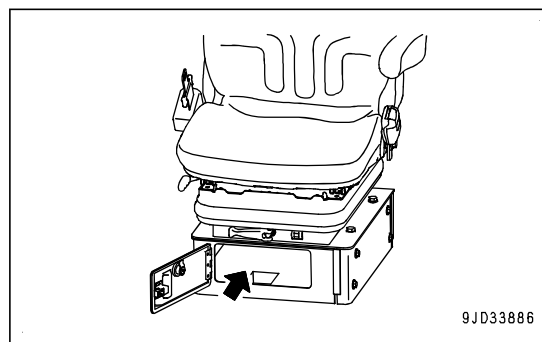
Komatsu cannot predict every circumstance that might involve a potential hazard when the forklift truck is used. Therefore, the safety messages in this manual and on the forklift truck may not include all possible safety precautions.

If you perform any operation, inspection, or maintenance under conditions that are not described in this manual, understand that it is your responsibility to take the necessary precautions to ensure safety.

If you transfer this forklift truck to others, be sure to attach this manual.

Always keep this Operation and Maintenance Manual in the storing location so that all relevant personnel can read it at any time.

Keep it in the cover at lower part of the operator's seat.



If this manual is lost, damaged, or unreadable, contact Komatsu or your Komatsu distributor and tell them about the forklift truck model name and the serial No. immediately to arrange for its replacement.

For the forklift truck model name and the serial No., see the forklift truck serial No. plate. In order to arrange the proper Operation and Maintenance Manual, you will need to provide the forklift truck model name and the serial No.

This manual uses the International System of Units (SI) for units of measurement. For reference, units that have been used in the past are given in { }.

The explanations, values, and illustrations in this manual have been prepared based on the latest information available as of the date of its publication. Continuing improvements in the design of this forklift truck may not be reflected in this manual. If there is any question or suggestion, consult your Komatsu distributor.

The numbers in the illustrations correspond to the numbers in () in the text. (Example: 1 → (1))

Komatsu delivers the forklift trucks that comply with all applicable regulations and standards of the country to which it has been shipped. If this forklift truck has been purchased in another country, it may lack certain safety devices and specifications that are necessary for use in your country. If there is any question about whether your product complies with the applicable standards and regulations of your country, consult your Komatsu distributor before operating the forklift truck.

SAFETY INFORMATION

For the safety when you operate or do the inspection and maintenance of the forklift truck, and to prevent personal injury to operators, service personnel or bystanders, be sure to obey the precautions and warnings written in this manual and the safety signs attached to the forklift truck.

To identify the important safety messages in the manual and on the forklift truck labels, the signal words that follow are used.

The "Safety Alert Symbol" identifies important safety messages on forklift trucks, and in manuals. Safety alert symbols show the risk of accidents that can cause serious injury or death. Follow the instructions shown in the safety alert symbols.

 **WARNING** This signal word shows a potentially hazardous situation which, if not avoided, could result in death or serious injury.

 **CAUTION** This signal word shows a possibly dangerous situation which, if not avoided, can result in injury, or damage to the forklift truck or the surrounding area.

The signal words that follow are used to tell you the information that must be followed to avoid damage to the forklift truck.

NOTICE If precautions written are not obeyed, the forklift truck can be damaged or the service life can be reduced.

REMARK Shows useful information.