

Shop Manual

FORKLIFT TRUCK

FH40-1

FH45-1

FH50-1

SERIAL NUMBERS 138001 and up

KOMATSU

FORKLIFT TRUCK

FH40-1

FH45-1

FH50-1

Applicable model	Serial number
FH40-1	138001 and up
FH45-1	138001 and up
FH50-1	138001 and up

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Foreword and general information

Safety notice

(Rev. 2008/07)

Important safety notice

Proper service and repair are extremely important for safe lift truck operation. The service and repair techniques recommended by KOMATSU UTILITY and described in this manual are both effective and safe. Some of these techniques require the use of tools specially designed by KOMATSU UTILITY for the specific purpose.

To prevent injury to workers, the symbol  is used to mark safety precautions in this manual. The cautions accompanying these symbols should always be followed carefully. If any dangerous situation arises or may possibly arise, first consider safety, and take the necessary actions to deal with the situation.

1. General precautions

 **Mistakes in operation are extremely dangerous. Read the Operation and Maintenance Manual carefully before operating the lift truck. In addition, read this manual carefully before starting work.**

- 1) Before carrying out any greasing or repairs, read all the safety labels stuck to the lift truck. For the locations of the safety labels and detailed explanation of precautions, see the Operation and Maintenance Manual.
- 2) Decide a place in the repair workshop to keep tools and removed parts. Always keep the tools and parts in their correct places. Always keep the work area clean and make sure that there is no dirt, water, or oil on the floor. Smoke only in the areas provided for smoking. Never smoke while working.
- 3) When carrying out any operation, always wear safety shoes and helmet. Do not wear loose work clothes, or clothes with buttons missing.
 - Always wear safety glasses when hitting parts with a hammer.
 - Always wear safety glasses when grinding parts with a grinder, etc.
- 4) When carrying out any operation with 2 or more workers, always agree on the operating procedure before starting. Always inform your fellow workers before starting any step of the operation. Before starting work, hang UNDER REPAIR warning signs in the operator's compartment.
- 5) Only qualified workers must carry out work and operation which require license or qualification.
- 6) Keep all tools in good condition. Learn the correct way to use them, and use the proper ones of them. Before starting work,

thoroughly check the tools, lift truck, service car, etc.

- 7) If welding repairs are needed, always have a trained and experienced welder carry out the work. When carrying out welding work, always wear welding gloves, apron, shielding goggles, cap and other clothes suited for welding work.
- 8) Before starting work, warm up your body thoroughly to start work under good condition.
- 9) Avoid working continuously for long hours and take rests at proper intervals to keep the good condition. Take rests in a fixed safe place.

Safety points

1	Good arrangement
2	Correct work clothes
3	Following work standard
4	Making and checking signs
5	Prohibition of operation and handling by unlicensed workers
6	Safety check before starting work
7	Wearing protective goggles (for cleaning or grinding work)
8	Wearing shielding goggles and protectors (for welding work)
9	Good physical condition and preparation
10	Precautions against work which you are not used to or you are used to too much