

**Komatsu Forklift Co., Ltd.**

No. 3-4, 2-chome, Akasaka, Minato-ku, Tokyo, Japan

PRINTED IN JAPAN  
08-99(01)01008(英語)

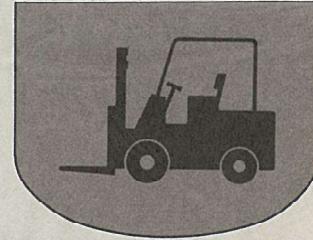
-AE3

**KOMATSU**

FBM10/18.2

FBM10/18.2-AE3

## **Operation & Maintenance Manual**



**ELECTRIC LIFT TRUCK**

**FB10M-2**

**FB13M-2**

**FB15M-2**

**FB18M-2**

**KOMATSU FORKLIFT**

Unit	Applicable Machine No.
FB10M/13M	2001 and up

Unit	Applicable Machine No.
FB15M/18M	3001 and up

Name:

Address:

Machine serial No.:

Registration No.:

Distributor's name

Contact person



## WARNING

- Improper operation and maintenance of this machine can be hazardous and could result in serious injury or death.
- Operators and maintenance personnel should read this manual thoroughly before beginning operation or maintenance.
- Some actions involved in operation and maintenance of the machine can cause a serious accident, if they are not done in a manner described in this manual.
- The procedures and precautions given in this manual apply only to intended uses of the machine. If you use your machine for any unintended uses that are not specifically prohibited, you must be sure that it is safe for you and others. In no event should you or others engage in prohibited uses or actions as described in this manual.
- Komatsu Forklift delivers machines that comply with all applicable regulations and standards of the country to which it has been shipped. If this machine has been purchased in another country or purchased from someone 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 Komatsu Forklift or your Komatsu Forklift distributor before operating the machine.
- This manual describes principally the handling of trucks, daily inspections and simple periodic maintenances. The Operation and Maintenance Manual has been divided into two volumes, one dealing with operation and maintenance and the other dealing with safety. Please read through both volumes for safe operation.

## FOREWORD

This manual provides rules and guidelines which will help you use this machine safely and effectively. Keep this manual handy and have all personnel read it periodically. If this manual has been lost or has become dirty and can not be read, request a replacement manual from Komatsu Forklift or your Komatsu Forklift distributor.

If you sell the machine, be sure to give this manual to the new owners.

Continuing improvements in the design of this machine can lead to changes in detail which may not be reflected in this manual. Consult Komatsu Forklift or your Komatsu Forklift distributor for the latest available information of your machine or for questions regarding information in this manual.

This manual may contain attachments and optional equipment that are not available in your area. Consult Komatsu Forklift or your Komatsu Forklift distributor for those items you may require.

# BREAKING IN YOUR NEW MACHINE

Each machine is carefully adjusted and tested before shipment. However, a new machine requires careful operation during the first 100 hours to run in various parts. Unreasonably hard use during the run-in period will weaken the machine and reduce its service life. **A new machine must be operated with care**, particularly with regard to the following items.

- Avoid abrupt starting, acceleration, unnecessarily abrupt braking and sharp turning.
- Be sure to perform periodical maintenance and checking as indicated in this manual.
- Be sure to use recommended fuel and lubricant.
- Carry out the following maintenance and inspection after the first one month or 200 hours.

Component	Check item	Remarks
Transfer case	Change oil	Including differential
	Change oil	—
	Replace line filter	—
	Clean strainer	—
	Clean inside of tank	—
Others	Tighten all bolts and nuts	Be particularly careful to tighten the hub nuts, overhead guard mounting bolts, backrest mounting bolts, and operator's seat mounting nuts.

# CONTENTS

OPERATION		MAINTENANCE	
FOREWORD .....	1	CHECK BEFORE STARTING .....	29
BREAKING IN YOUR NEW MACHINE .....	2	PERIODIC MAINTENANCE .....	36
BEFORE OPERATING FORKLIFT .....	5	PERIODIC REPLACEMENT OF CONSUMABLE PARTS .....	37
GENERAL LOCATIONS .....	6	MAINTENANCE TABLE .....	38
INSTRUMENTS AND CONTROLS .....	7	REPLACEMENT AND CHECK .....	40
OPERATING YOUR MACHINE .....	14	SERVICE DATA .....	46
TIRES FOR ELECTRIC LIFT TRUCKS .....	18	LUBRICATION CHART .....	48
REFRIGERATOR APPLICATION TRUCKS .....	19	STORAGE .....	49
FISHERY APPLICATION TRUCKS .....	21	LUBRICANTS .....	50
PROCEDURES FOR ACTIVATION-CHARGING OF DRY-CHARGED STORAGE BATTERIES .....	22		
CHARGING BATTERY .....	25		

