

**SERVICE MANUAL &
TECHNICAL BULLETIN**

MODEL F03 SERIES

INTRODUCTION

This service manual has been prepared to provide necessary information concerning the maintenance and repair work on the NISSAN FORKLIFT F03 series.

For H30 and SD33 engines, refer to the NISSAN FORKLIFT SERVICE MANUAL & TECHNICAL BULLETIN MODEL J15, H20, H30, SD22, SD33 ENGINE.

Any changes effected in the series after publication of this service manual will be announced in a technical bulletin. It is, therefore, recommended that each relevant technical bulletin be inserted in front of each section and be used together with the service manual as a reference.

If a new model requires different service method or has undergone a major change, revised sections will be issued to replace the applicable sections. Each revised section will include the description of how to service the parts for the former specifications. The publication of a revised section will be announced in the technical bulletin.

This service manual consists of twenty-one sections as shown in the following table, which gives the updated symbols. When a revised service manual is issued, this "INTRODUCTION" sheet should be replaced with a revised one.

Section	Symbol
GENERAL INFORMATION	(GI)
MAINTENANCE	(MA)
ENGINE TUNE-UP (P ENGINE)	(ET)
ENGINE MECHANICAL (P ENGINE)	(EM)
ENGINE LUBRICATION SYSTEM (P ENGINE)	(EL)
COOLING SYSTEM (P ENGINE)	(CO)
FUEL SYSTEM (P ENGINE)	(EF)
GOVERNOR SYSTEM (P ENGINE)	(GO)
ENGINE ELECTRICAL (P ENGINE)	(EE)
ENGINE REMOVAL	(ER)
AUTOMATIC TRANSMISSION	(AT)
DIFFERENTIAL CARRIER	(DF)
FRONT AXLE	(FA)
REAR AXLE	(RA)
BRAKE SYSTEM	(BR)
STEERING SYSTEM	(ST)
HYDRAULIC SYSTEM	(HD)
LOADING MECHANISM	(LM)
ENGINE CONTROL, FUEL & EXHAUST SYSTEMS	(FE)
BODY AND FRAME	(BF)
BODY ELECTRICAL	(BE)

GENERAL INFORMATION (GI)

MODEL F03 SERIES

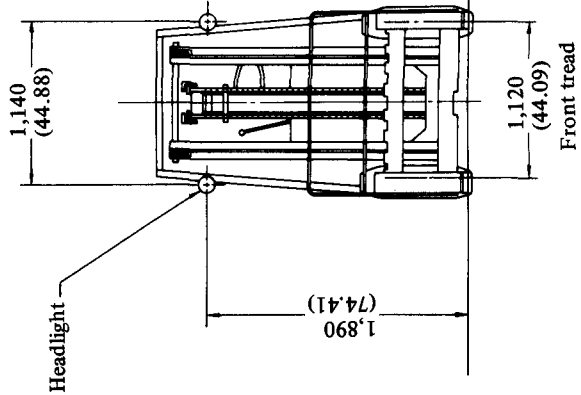
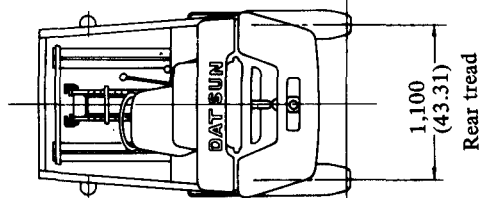
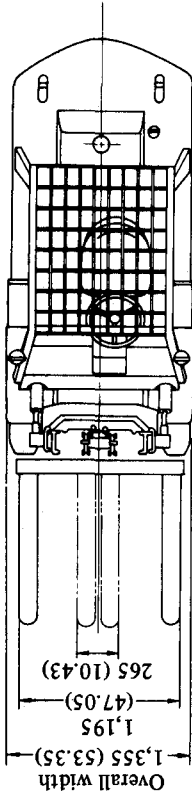
CONTENTS

GENERAL VIEWS	GI-2
MODEL VARIATION	GI-5
IDENTIFICATION NUMBERS	GI-6
ENGINE SERIAL NUMBER	GI-6
CHASSIS SERIAL NUMBER	GI-6
LIFT TRUCK IDENTIFICATION PLATE	GI-6
TRANSMISSION SERIAL NUMBER	GI-6
LOAD CHART	GI-7
LIFTING POINTS AND TOWING	GI-7
APPROXIMATE WEIGHT	GI-7
LIFTING POINTS	GI-7
LIFTING UP FORKLIFT TRUCK	GI-8
TOWING	GI-8
SPECIAL SERVICE TOOLS	GI-8
TIGHTENING TORQUE OF STANDARD BOLT	GI-9

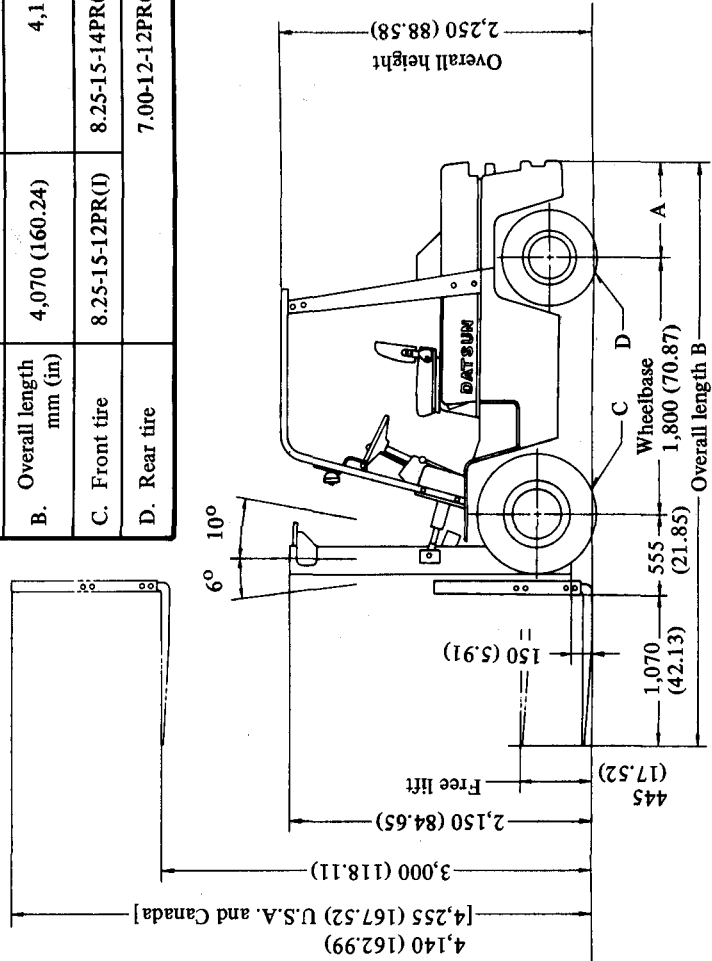
GENERAL VIEWS

PNEUMATIC-TIRE MODEL

Model F03A33 and F03A35



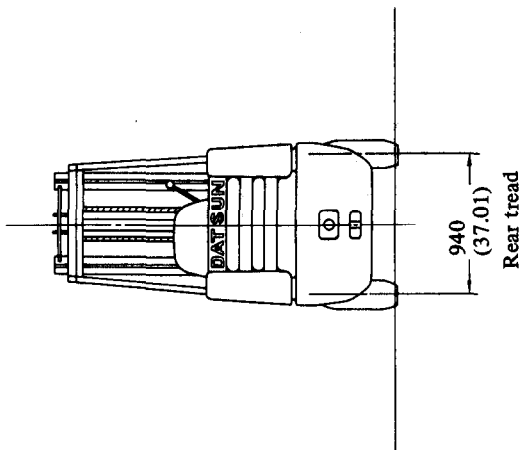
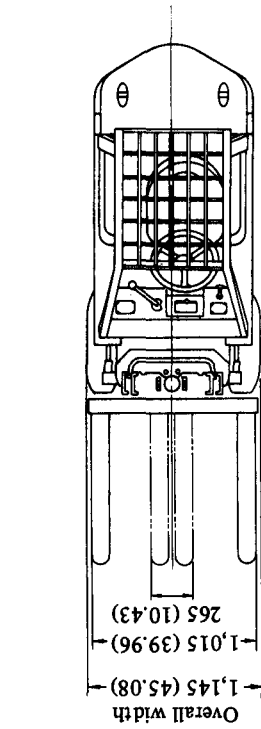
	F03A33U F03A33V	F03A35U	F03A35V
A. Rear overhang mm (in)	645 (25.39)	685 (26.97)	
B. Overall length mm (in)	4,070 (160.24)	4,110 (161.81)	
C. Front tire	8.25-15-12PR(I)	8.25-15-14PR(I)	8.25-15-12PR(I)
D. Rear tire	7.00-12-12PR(I)		



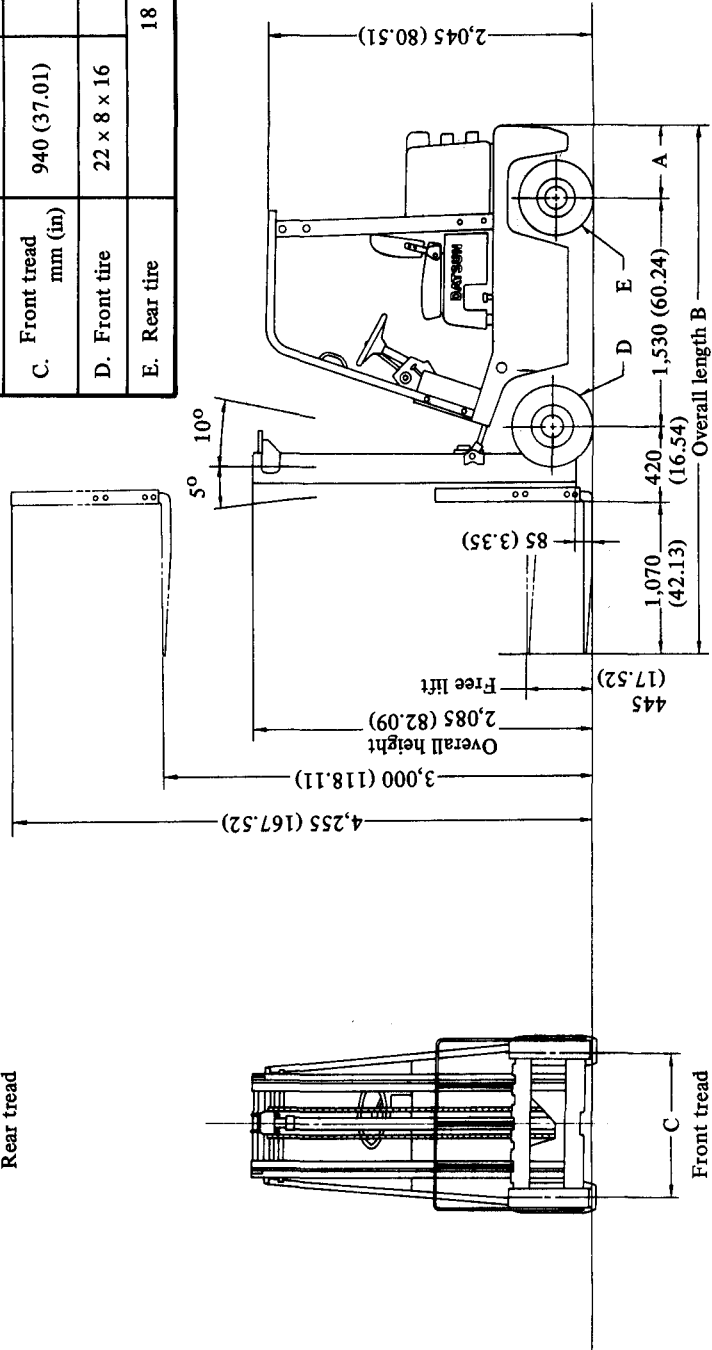
Unit: mm (in)

CUSHION-TIRE MODEL

Model CF03A30, CF03A and CF03A35



	CF03A30	CF03A33	CF03A35
A. Rear overhang mm (in)	490 (19.29)	540 (21.26)	595 (23.43)
B. Overall length mm (in)	3,510 (138.19)	3,560 (140.16)	3,615 (142.32)
C. Front tread mm (in)	940 (37.01)	915 (36.02)	
D. Front tire	22 x 8 x 16	22 x 9 x 16	
E. Rear tire	18 x 6 x 12-1/8		

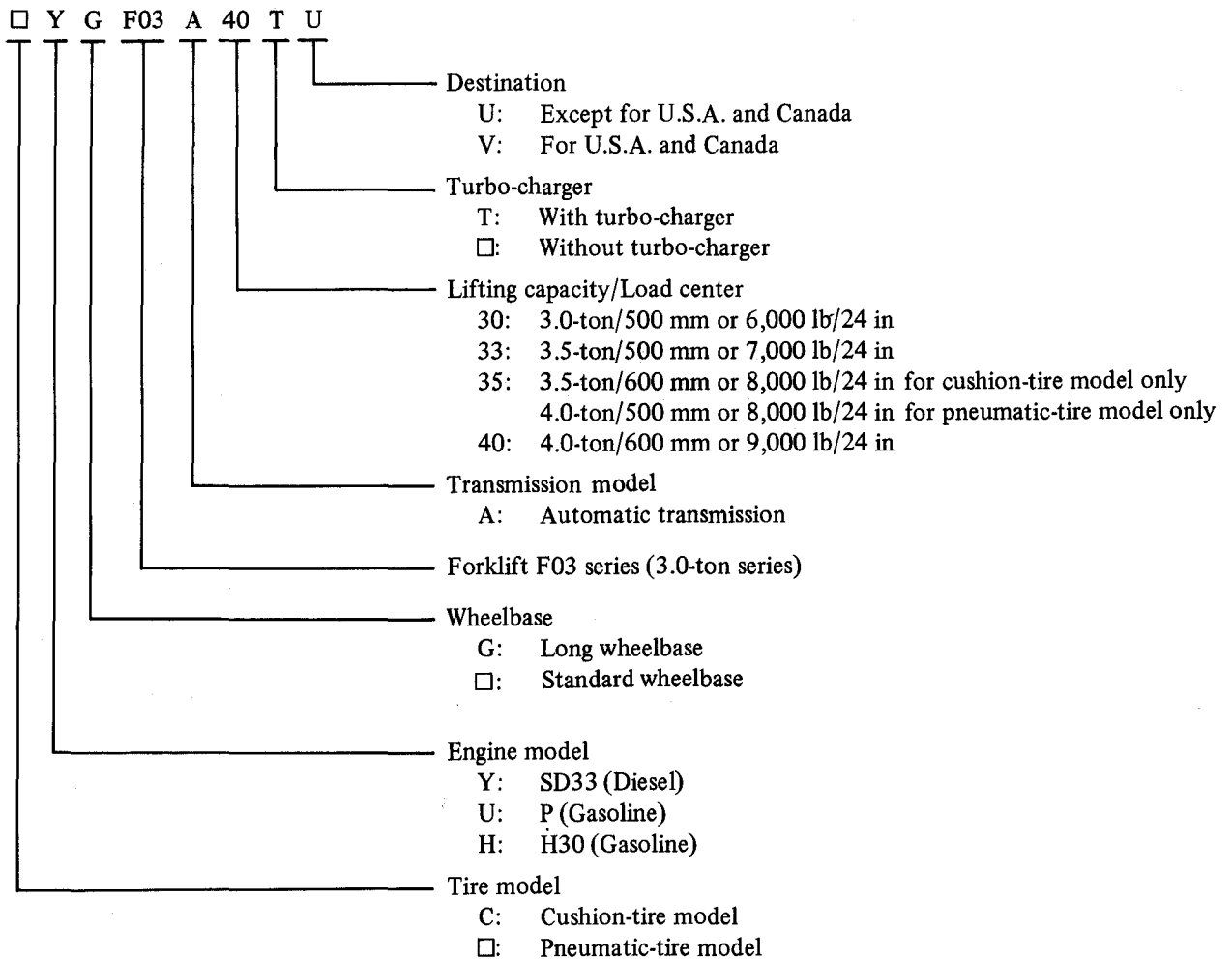


Unit: mm (in)

MODEL VARIATION

	Lifting capacity/Load center		Engine model	Model	
				Except for U.S.A. and Canada	For U.S.A. and Canada
Pneumatic-tire model	3.5-ton/500 mm	7,000 lb/24 in	SD33	YF03A33TU	YF03A33TV
			P	UF03A33U	UF03A33V
	4.0-ton/500 mm	8,000 lb/24 in	SD33	YF03A35TU	YF03A35TV
			P	UF03A35U	UF03A35V
	4.0-ton/600 mm	9,000 lb/24 in	SD33	YGF03A40TU	YGF03A40TV
			P	UGF03A40U	UGF03A40V
Cushion-tire model	3.0-ton/500 mm	6,000 lb/24 in	H30	CHF03A30U	CHF03A30V
	3.5-ton/500 mm	7,000 lb/24 in		CHF3A33U	CHF03A33V
	3.5-ton/600 mm	8,000 lb/24 in		CHF03A35U	CHF03A35V

Prefix and suffix designations



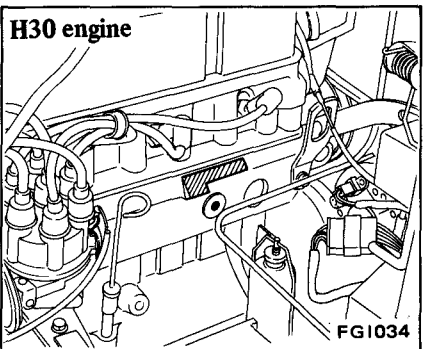
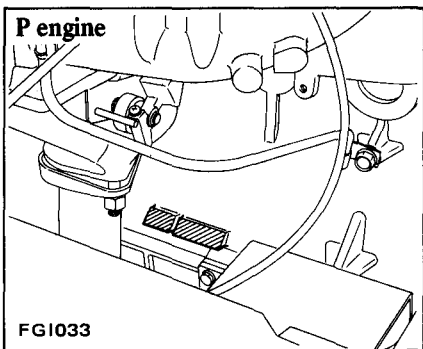
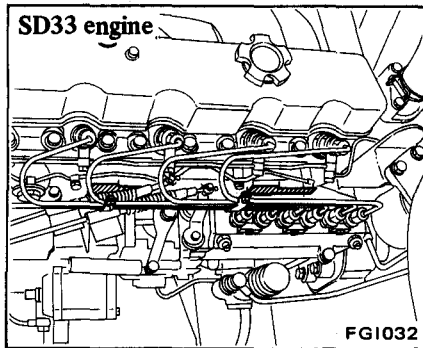
□: means no indication.

IDENTIFICATION NUMBERS

ENGINE SERIAL NUMBER

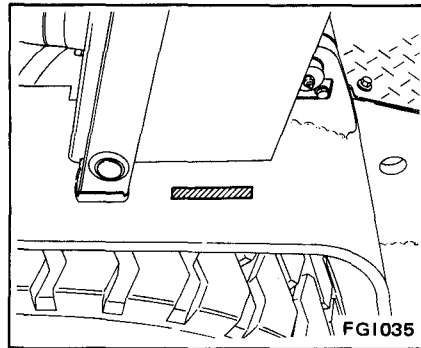
SD33 XXXXXXT
 P KXXXXX
 H30 KXXXXX

The number is stamped on the left-hand side of the cylinder block.

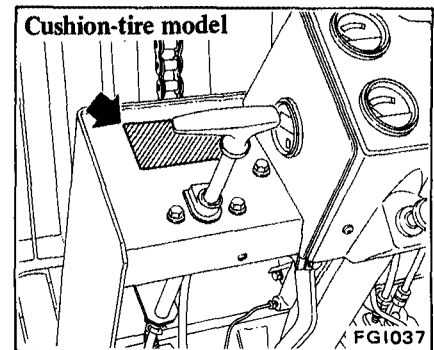
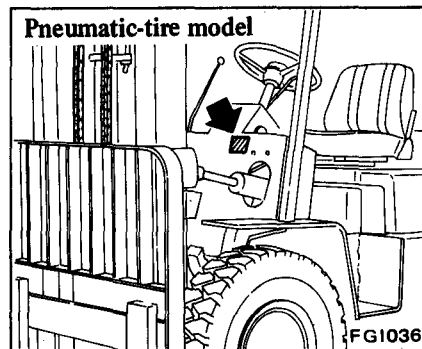


CHASSIS SERIAL NUMBER

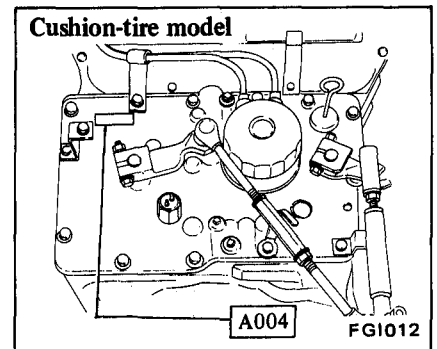
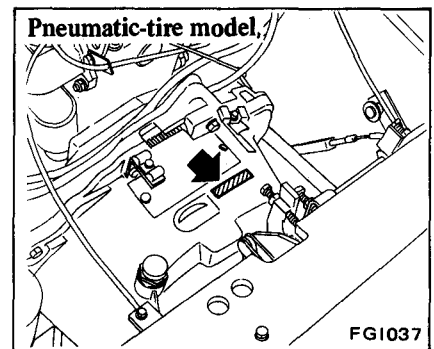
YF03 XXXXXX
 UF03 XXXXXX
 YGF03 XXXXXX
 UGF03 XXXXXX
 CHF03 XXXXXX



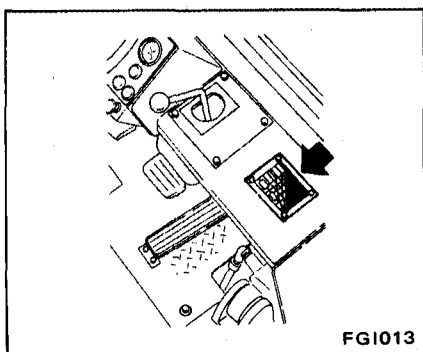
LIFT TRUCK IDENTIFICATION PLATE



TRANSMISSION SERIAL NUMBER



LOAD CHART



LIFTING POINTS AND TOWING

APPROXIMATE WEIGHT

Unit: kg (lb)

Item		Pneumatic-tire model			Cushion-tire model		
		F03A33	F03A35	F03A40	CHF03A30	CHF03A33	CHF03A35
Truck weight		5,200 (11,465)	5,460 (12,040)	5,875 (12,955)	4,460 (9,835)	4,805 (10,595)	5,140 (11,335)
Load distribution	Front	2,200 (4,850)	2,120 (4,675)	2,490 (5,490)	1,840 (4,060)	1,815 (4,000)	1,735 (3,825)
	Rear	3,000 (6,615)	3,340 (7,365)	3,385 (7,465)	2,620 (5,775)	2,990 (6,595)	3,405 (7,510)

LIFTING POINTS

FRONT SIDE

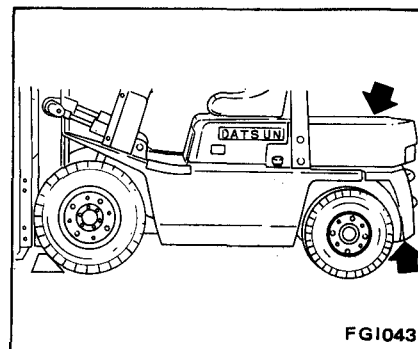
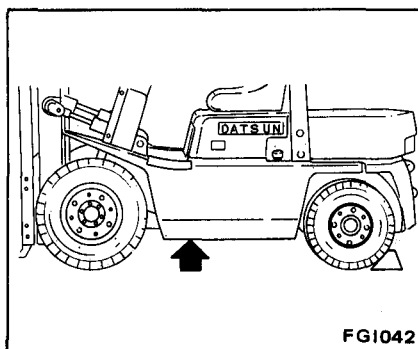
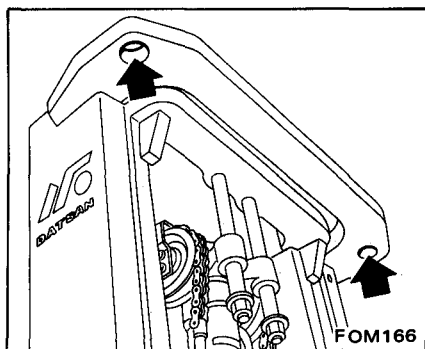
1. Place chocks behind rear wheels.
2. Lift outer mast with a hoist.

3. Place wooden blocks under both side frames. Gradually lower front end to ground. Be careful not to dislocate blocks while lowering.

After supporting lift truck with blocks, swing it back and forth and left and right to see if it is safe.

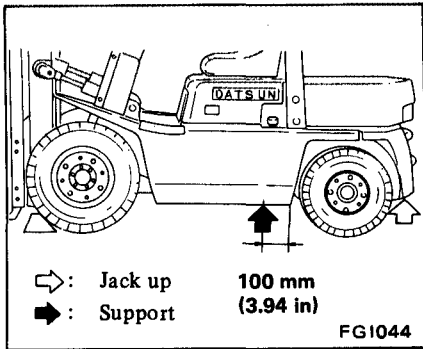
REAR SIDE

1. Place chocks in front of front wheels.
2. Jack up counterweight or lift counterweight with a hoist.



3. Place wooden blocks under both side frames. Also place block under counterweight for safety. Gradually lower rear end to ground. Be careful not to dislocate blocks while lowering.

After supporting lift truck with blocks, swing it back and forth and from side to side to see if it is safe.

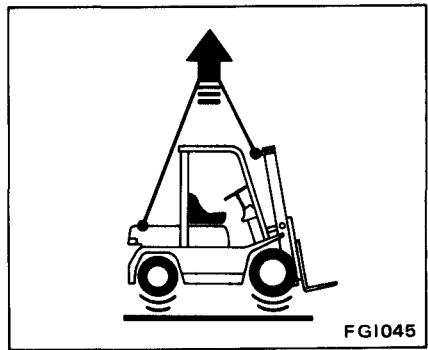


LIFTING UP FORKLIFT TRUCK

When lifting the entire forklift truck, secure wire ropes to holes on both sides of the outer mast cross beam and to the hook on the counterweight, and then utilize a lifting device.

WARNING:

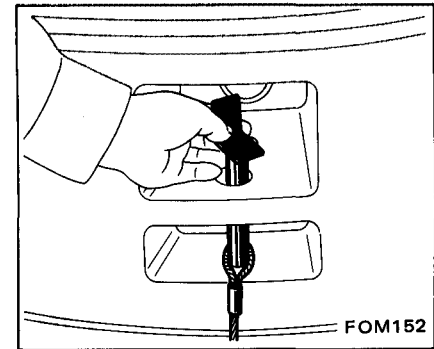
- Make sure that the wire ropes do not interfere with the overhead guard while lifting the truck.
- Ensure that the wire ropes and lifting device are strong enough to support the lift truck safely, as the lift truck is extremely heavy.



TOWING

Before towing a lift truck, secure a wire rope to traction pin. Make sure parking brake is released.

- Do not attach towing rope to any points other than those designated.
- To prevent accidents, do not apply load to wire rope abruptly.



SPECIAL SERVICE TOOLS

Special Service Tools play very important role in the maintenance of lift truck. These are essential to the safe, accurate and speedy servicing.

The working times listed in the column under FLAT RATE TIME in FLAT RATE SCHEDULE are com-

puted based on the use of Special Service Tools.

The identification code of maintenance tools is made up of 2 alphabetical letters and 8-digital figures.

The heading two letters roughly classify tools or equipment as:

- ST00000000: Special Tool
- KV00000000: Special Tool
- GG00000000: General Gauge
- LM00000000: Garage Tool
- HT00000000: Hand Tool

BUY NOW

**Then Instant Download
the Complete Manual
Thank you very much!**