

**SERVICE MANUAL &  
TECHNICAL BULLETIN**

**MODEL N01 SERIES**

# INTRODUCTION

This service manual has been prepared to provide necessary information concerning the maintenance and repair procedures for the NISSAN FORKLIFT N01 series.

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 eleven 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)
DRIVE CONTROL SYSTEM	(DC)
FRONT AXLE	(FA)
REAR AXLE	(RA)
BRAKE SYSTEM	(BR)
STEERING SYSTEM	(ST)
HYDRAULIC SYSTEM	(HD)
LOADING MECHANISM	(LM)
BODY & FRAME	(BF)
BODY ELECTRICAL	(BE)

CONTROL SYSTEM

(CS)

# FOREWORD

This manual contains maintenance and repair procedures.

In order to assure your safety and the efficient functioning of the lift truck, this manual should be read thoroughly. It is especially important that the PRECAUTIONS in the GI section be completely understood before starting any repair task.

All information in this manual is based on the latest product information at the time of publication. The right is reserved to make changes in specifications and methods at any time without notice.

## IMPORTANT SAFETY NOTICE

The proper performance of service is essential for both the safety of the technician and the efficient functioning of the lift truck.

The service methods in this Service Manual are described in such a manner that the service may be performed safely and accurately.

Service varies with the procedures used, the skills of the technician and the tools and parts available.

Accordingly, anyone using service procedures, tools or parts which are not specifically recommended by NISSAN must first be completely satisfied that neither personal safety nor the lift truck's safety will be jeopardized by the service method selected.

No modifications or alterations to a powered industrial truck, which may affect, for example, capacity, stability or safety requirements of the truck shall be made without the prior written approval of NISSAN, its authorized representative, or a successor thereof. Contact an authorized NISSAN FORKLIFT dealer before making any modification or alteration to your industrial truck that may affect, for example braking, steering, visibility and the addition of removable attachments. After getting approval of NISSAN, its authorized representative, or a successor thereof, capacity plate, decals tags and operation and maintenance handbooks shall also be changed to the appropriate one.

Only in the event that NISSAN is no longer in business and there is no successor in the interest to the business, the user may arrange for a modification or alteration to a powered industrial truck, provided, however, that the user shall:

- A. Arrange for the modification or alteration to be designed, tested and implemented by an engineer(s) expert in industrial trucks and their safety;
- B. Maintain a permanent record of the design, test(s) and implementation of the modification or alteration;
- C. Approve and make appropriate changes to the capacity plate(s), decals, tags and Instruction Handbook;
- D. Affix a permanent and readily visible label to the truck stating the manner in which the truck has been modified or altered together with the date of the modification or alteration, and the name and address of the organization that accomplished the tasks.

# GENERAL INFORMATION

## SECTION **GI**

### CONTENTS

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# HOW TO USE THIS MANUAL

## Outline of This Manual

Abbreviations	Section titles	Topics
GI	General information	Outline and contents of this manual, Contents of this manual, Technical Terms Definitions, Model Variation, General Views
HD	Hydraulic system	Precautions, Service data and specifications, Hydraulic system, Tilt cylinder, Lift cylinder
LM	Loading mechanism	Service data and specifications, Trouble diagnoses and corrections, Precautions, Fork, Lift chain, Carriage assembly, Mast
BF	Body and frame	Construction illustration

### Contents of this manual

This Manual contains the information on methods required to perform appropriate forklift maintenance procedures depending on each system.

#### **CAUTION:**

**Because this is a supplementary manual, the coverage is not comprehensive.**

#### **MAIN TEXT**

The main text describes removal, disassembly, inspection, assembly, installation, and adjustment procedures of units.

Step-by-step descriptions are provided for all of these procedures. Other important information provided includes service points and tips, basic units and values, tightening torque and special service tools. Information pertaining to common tools generally found in maintenance facilities is generally omitted. Exploded part views and illustrations are included as required.

#### **OTHER ENTRIES**

The following information is included at the beginning of all sections to supplement the main text.

#### **Service data and specifications**

Adjustment values, part selection information for adjustment and specified tightening torque values are shown for all procedures described in the main text.

#### **Precautions**

Precautions and related information pertaining to the whole section are provided.

#### **Special service tools**

The name, tool number and use of special service tools are shown for all procedures described in the main text. The illustration shows the shape of the tool.

#### **Technical Term Definitions**

##### **SPECIFIC TERMS**

**WARNING:** Warns of instructions that must be followed to prevent severe or fatal accidents.

**CAUTION:** Warns of instructions that must be followed to prevent injury or damage to parts of the vehicle.

**Standard value:** The allowable range for a given measured value at inspection and adjustment.

## HOW TO USE THIS MANUAL

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### Technical Term Definitions (Cont'd)

Limit value: The maximum or minimum acceptable measured value at inspection or adjustment.

### POSITION AND DIRECTION

The description of direction (front, back, left, right, up and down) in this manual is based on the position of a driver sitting in the driver's seat.

### MEASURING UNITS AND VALUES

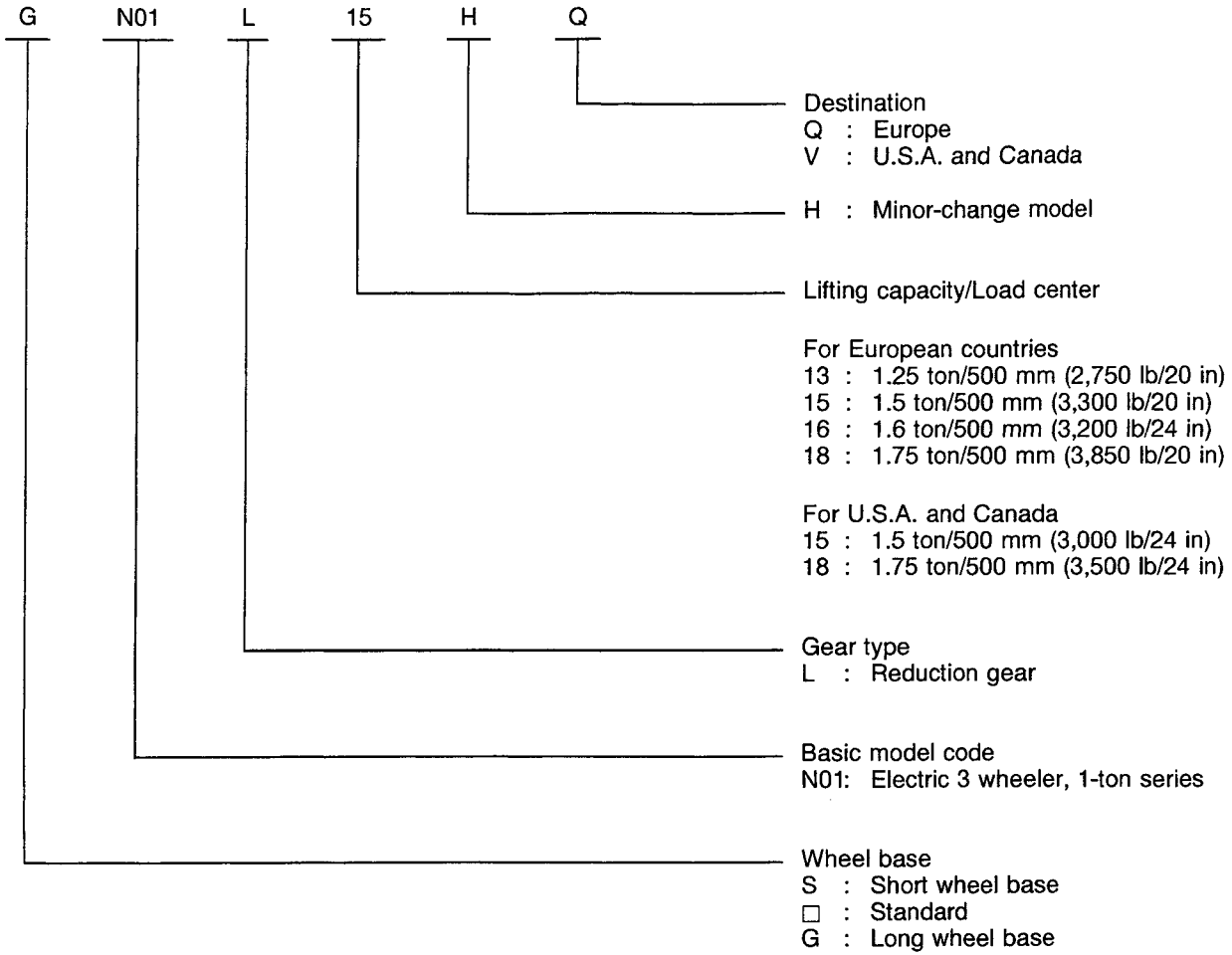
The **UNITS** given in this manual are primarily expressed as the SI UNIT (International System of Unit), and alternatively expressed in the metric system and in the yard/pound system.

#### "Example"

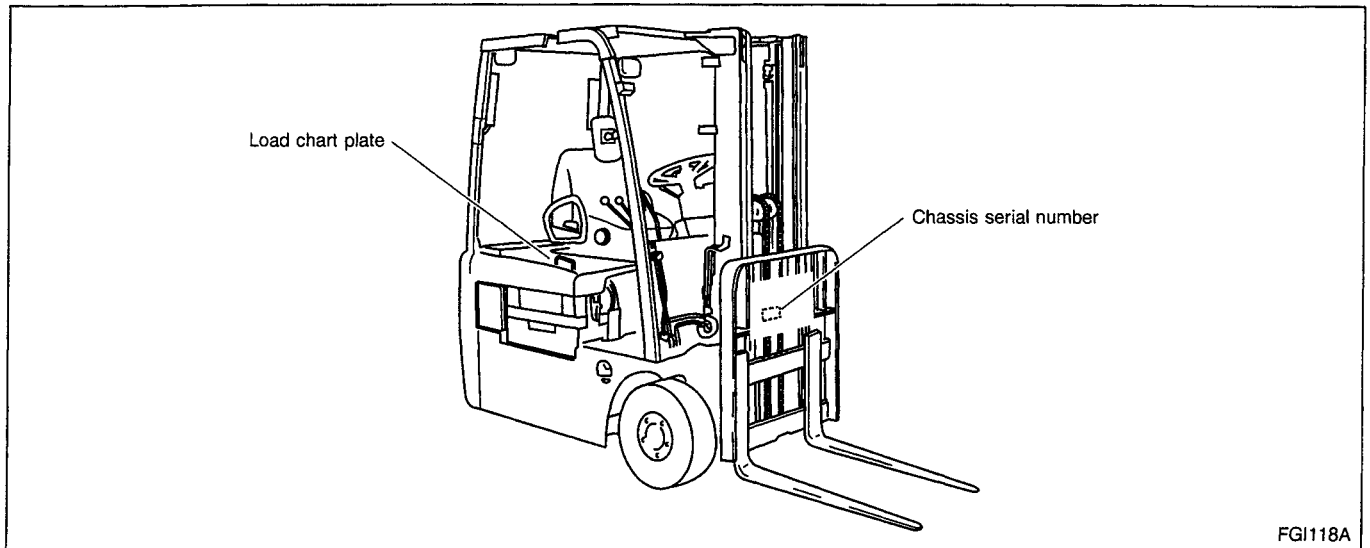
Tightening torque:

59 - 78 N·m (6.0 - 8.0 kg-m, 43 - 58 ft-lb)

# MODEL VARIATION



## IDENTIFICATION NUMBERS



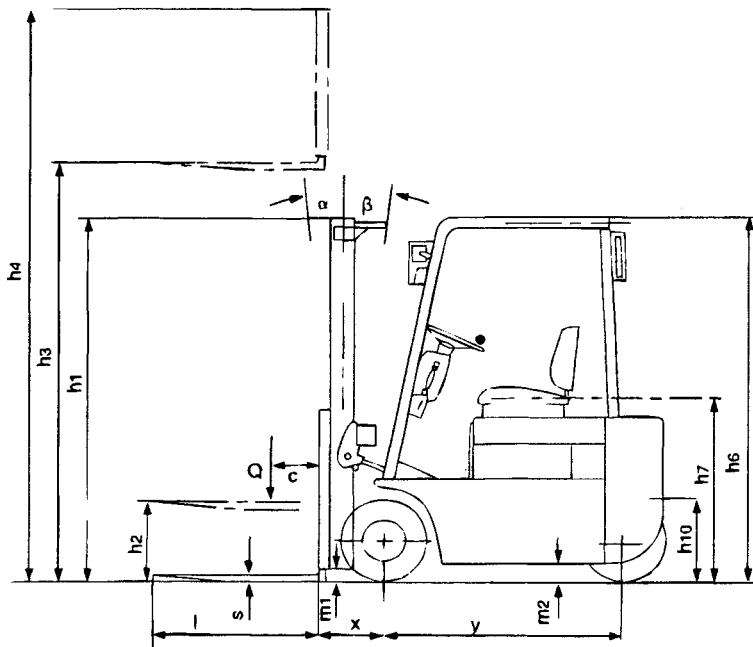
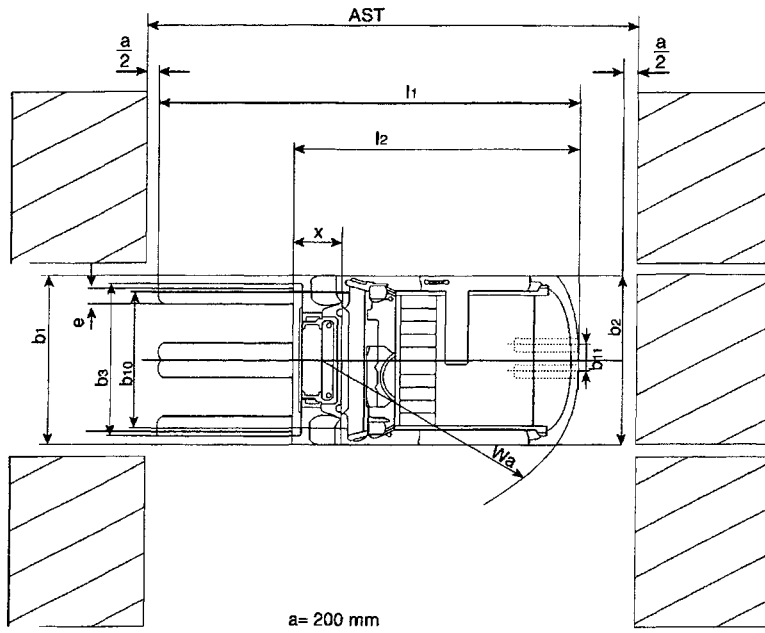
FGI118A

### CHASSIS SERIAL NUMBER

N01-XXXXXX  
GN01-XXXXXX  
SN01-XXXXXX



# GENERAL VIEWS



FGI120A

GI-6

# GENERAL VIEWS

			Nissan	Nissan	Nissan	Nissan	Nissan	
Characteristics	1.1	Manufacturer		Nissan	Nissan	Nissan	Nissan	
	1.2	Model Name		SNO1L13HQ	NO1L15HQ/V	NO1L18HQ/V	GNO1L16HQ	GNO1L18HQ
	1.3	Power unit: battery, diesel, petrol, LP gas, mains power		Battery	Battery	Battery	Battery	Battery
	1.4	Operation: manual, pedestrain, stand on, seated, order picker		driver seated	driver seated	driver seated	driver seated	driver seated
	1.5	Load capacity	Q (t)	1.25	1.5	1.75	1.6	1.75
	1.6	Load centre	c (mm)	500	500	500	500	500
	1.8	Front Overhang	x (mm)	365 (380)*1	365 (380)*1	370 (385)*1	365 (380)*1	370 (385)*1
	1.9	Wheel base	y (mm)	1170	1275 (1170)*5	1275	1395	1395
	Weights	2.1	Service weight	kg	2765	2980 (3095)*5	3145	3020
2.2		Axle load with load, front/rear	kg	3540/475	3960/520 (4025/370)*5	4365/530	4145/475	4480/395
2.3		Axle load without load, front/rear	kg	1360/1405	1440/1540 (1415/1480)*5	1415/1730	1550/1470	1655/1490
Wheels & tyres	3.1	Tyres, front/rear (C=cushion, SE=super elastic, P=pneumatic)		SE(P/C)/SE(P/C)	SE(P/C)/SE(P/C)*4	SE(C)/SE(C)	SE(P)/SE(P)	SE/SE
	3.2	Tyre size, front		18x7-8	18x7-8	18x7-8	18x7-8	18x7-8
	3.3	Tyre size rear		18x7-8	18x7-8	18x7-8	16x6-8	16x6-8
	3.5	Wheels, number front/rear (x=driven)		2x/1	2x/1	2x/1	2x/2	2x/2
	3.6	Tread, front	b10 (mm)	880 (900)*2	880 (870)*2	880 (870)*2	930	930
	3.7	Tread, rear	b11 (mm)	-	-	-	205	205
	Dimensions	4.1	Mast Tilt Angle	$\alpha/\beta$ (°)	4/6	4/6	4/6	4/6
4.2		Standard mast height, fully lowered	h1 (mm)	1955	1955	1955	1955	1955
4.3		Standard mast Free Lift	h2 (mm)	95*3	95*3	100*3	95*3	100*3
4.4		Standard mast lift Height	h3 (mm)	3000*3	3000*3	3000*3	3000*3	3000*3
4.5		Standard mast height, fully extended	h4 (mm)	3945	3945	3945	3945	3945
4.7		Overhead Guard Height	h6 (mm)	1980	1980	1980	1980	1980
4.8		Height of seat/stand on platform	h7 (mm)	935	935	935	935	935
4.12		Towing coupler height	h10 (mm)	630	630	630	630	630
4.19		Overall Length	l1 (mm)	2655	2760 (2685)*5	2795	2880	2885
4.20		Length to fork face	l2 (mm)	1755	1860 (1785)*5	1895	1980	1985
4.21		Overall width	b1/b2 (mm)	1050	1050	1050	1050/1100	1050/1100
4.22		Fork Dimensions	s, e, l (mm)	35x100x900	35x100x900	40x100x900	35x100x900	40x100x1100
4.23		Fork carriage according to DIN 15173, class/form A, B		FEM11	FEM11	FEM11	FEM11	FEM11
4.24		Carriage width	b3 (mm)	920	920	920	920	920
4.31		Ground clearance, mast	m1 (mm)	75	75	75	75	75
4.32		Ground clearance, centre of wheel base	m2 (mm)	100	100	100	100	100
4.33		Right angle stacking aisle, pallet 1000x1200 across forks	Ast (mm)	3085	3190 (3115)*5	3225	3310	3315
4.34		Right angle stacking aisle, pallet 800x1200 along forks	Ast (mm)	3210	3315 (3240)*5	3350	3435	3440
4.35		Turning radius	Wa (mm)	1390	1495 (1420)*5	1525	1615	1615
Performance		5.1	Travel speed, with/without load	km/h	12/13	11.5/13	11/13	14/15.5
	5.2	Lift speed, with/without load	m/s	0.32/0.44	0.30/0.44	0.28/0.44	0.35/0.50	0.28/0.44
	5.3	Lower speed, with/without load	m/s	0.50/0.55	0.50/0.55	0.50/0.55	0.50/0.55	0.50/0.55
	5.6	Maximum drawbar pull, with/without load, 3 minute rating	N	7840/6566	7840/7154	7840/7056	7840/7154	7840/7056
	5.8	Maximum gradeability, with/without load, 5 minute rating	%	18/28	16/25	15/24	16/25	15/24
	5.9	Acceleration time, with/without load (0-10m)	s	5.0/4.7	5.3/5.0	5.6/5.3	5.3/4.9	5.4/4.9
5.10	Service brake		hydr/electr.	hydr/electr.	hydr/electr.	hydr/electr.	hydr/electr.	
Drive	6.1	Traction motor performance, 60 minute rating	kW	3.9x2	3.9x2	3.9x2	3.9x2	3.9x2
	6.2	Lift motor performance 20% rating	kW	7.4	7.4	7.4	9.6	7.4
	6.3	Battery according DIN 43531/35/36 A, B, C, no		DIN43531A	DIN43531A	DIN43531A	no	no
	6.4	Battery voltage/rated capacity (5h)	V/Ah	48/300*6	48/400*6	48/400*6	48/550*6	48/720*6
	6.5	Battery weight (+5%)	kg	520	675 (650)*5	675	825	930
Others	8.1	Type of drive motor control		Transistor chop.	Transistor chop.	Transistor chop.	Transistor chop.	Transistor chop.
	8.2	Working pressure for attachments	bar	120	120	120	120	120

\*1: Figures in brackets refer to triplex masts.  
\*2: Figures in brackets refer to cushion tyres.

\*3: Other mast height/Free lift are available as option.  
\*4: No pneumatic tyres for compact model

\*5: Figures in brackets refer to special compact model  
\*6: Other battery capacities available as option

## GENERAL VIEWS

### APPROXIMATE WEIGHT

					N01 series						
					For European countries				For USA and Canada		
					SN01L13HQ	N01L15HQ	N01L18HQ	GN01L16HQ	GN01L18HQ	N01L15HV	N01L18HV
					1.25 ton	1.5 ton	1.75 ton	1.6 ton	1.75 ton	1.5 ton	1.75 ton
Weight	Truck weight (without battery)			kg (lb)	2245	2305	2470	2195	2195	(5190)	(5555)
	Weight distribution (with battery)	No load	Front axle	kg (lb)	1360	1440	1415	1550	1635	(3195)	(3145)
			Rear axle	kg (lb)	1405	1540	1730	1470	1490	(3430)	(3845)
		Full load	Front axle	kg (lb)	3540	3960	4365	4145	4480	(8500)	(9345)
			Rear axle	kg (lb)	475	520	530	475	395	(1125)	(1145)

Note: Tire type: Super elastic  
Mast type: 2W300



# *Forklift Technical Bulletin*

September 10th, 1996

**General Information  
FGI 96-N01**

**APPLIED MODEL: GN01 model / N01 1997 model**

**SERVICE NOTICE:**

A high-performance model GN01L16U (1.6 ton model) and GN01L18U (1.75 ton model) have been newly added to the N01 series.

The main specification of GN01 model is as follows:

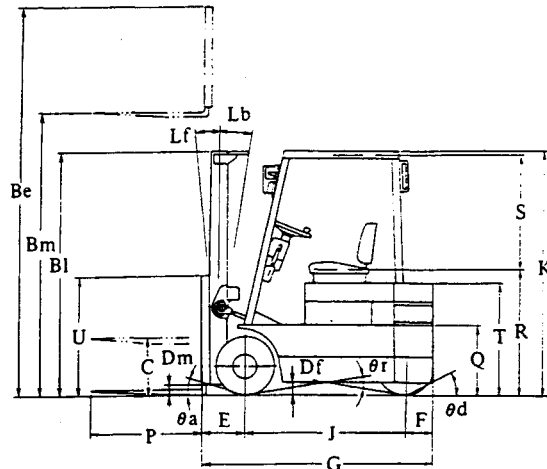
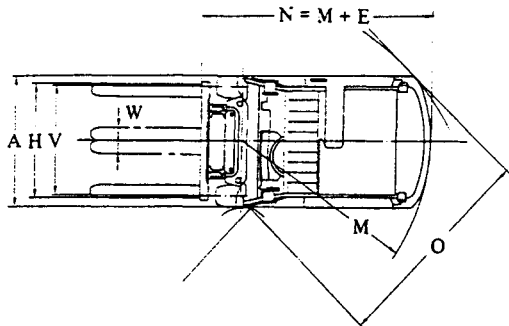
1. Chassis dimension such as overall width, overall length etc. have become bigger (GN01)
2. Transistor chopper controller has been newly applied. (N01/GN01)  
Together with this improvement, a field weakening control system has been newly applied. (GN01)
3. Two wheels have been applied to the steering wheel to ensure truck stability. (GN01)
4. Drive tires' rotation direction when steering has been controlled by roller type steering angle sensor. So, steering angle switches have been eliminated. (N01/GN01)
5. About the front axle, axle hub nut has been fixed with axle hub directly by bolts. So, lock washer for axle hub nut has been eliminated. (GN01)
6. For GN01L16U model, 9.6kw/5min. hydraulic pump motor and 17.0 ml/Rev. discharge hydraulic pump has been applied. (GN01)

Please file this bulletin in the binder.

The information in this bulletin should not be interpreted as the basis for claims unless so designated.

GENERAL VIEWS

GENERAL VIEWS

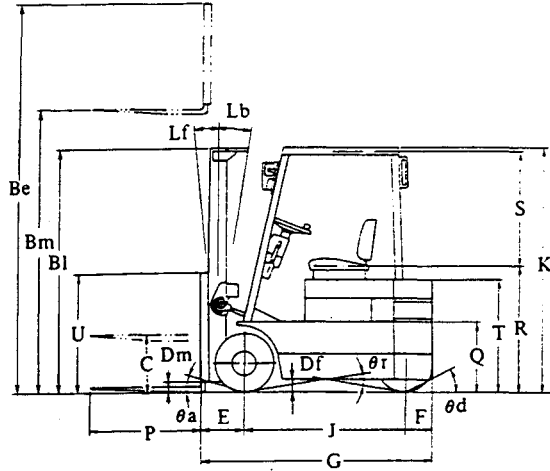
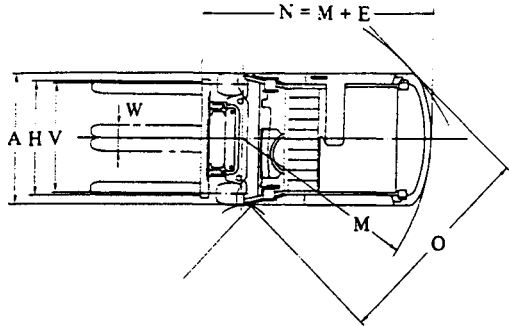


Dimensions

				N01-U				
				For European countries			For U.S.A. and Canada	
				L13U	L15U	L18U	L15U	L18U
				1.25 ton	1.5 ton	1.75 ton	1.5 ton (3,000 lb)	1.75 ton (3,500 lb)
A	Overall width	mm (in)	1,050 (41.3)			1,050 (41.3)		
Be	Overall height Mast (Extended)	mm (in)	3,945 (155.3)			4,260 (167.7)		
Bl	Overall height Mast (Lowered)	mm (in)	1,955 (77.0)			1,955 (77.0)		
Bm	Max.fork height	mm (in)	3,000 (118.1)			3,000 (118.1)		
C	Free lift	mm (in)	95 (3.7)	100 (3.9)		95 (3.7)	100 (3.9)	
Df	Ground clearance Under frame	mm (in)	100 (3.9)			100 (3.9)		
Dm	Ground clearance Under mast	mm (in)	75 (3.0)			75 (3.0)		
Dp	Ground clearance Under power unit	mm (in)	100 (3.9)			100 (3.9)		
E	Front overhang	mm (in)	360 (14.2)	365 (14.4)		360 (14.2)	365 (14.4)	
F	Rear overhang	mm (in)	220 (8.7)		250 (9.8)	220 (8.7)	250 (9.8)	
G	Overall length (without fork)	mm (in)	1,750 (68.9)	1,855 (73.0)	1,890 (74.4)	1,855 (73.0)	1,890 (74.4)	
H	Front tread Super elastic	mm (in)	880 (34.6)			880 (34.6)		
H	Front tread Pneumatic	mm (in)	880 (34.6)			880 (34.6)		
H	Front tread Cushion	mm (in)	900 (35.4)	870 (34.3)		870 (34.3)		
I	Rear tread	mm (in)	—			—		
J	Wheelbase	mm (in)	1,170 (46.1)	1,275 (50.2)		1,275 (50.2)		
K	Overall height Overhead guard	mm (in)	1,965 (77.4)			1,965 (77.4)		
Lb	Tilt angle Backward	degree	6			6		
Lf	Tilt angle Forward	degree	4			4		
M	Min. turning radius Outside	mm (in)	1,390 (54.7)	1,495 (58.9)	1,525 (60.0)	1,495 (58.9)	1,525 (60.0)	
N	Right angle stacking aisle	mm (in)	1,750 (68.9)	1,855 (73.0)	1,890 (74.4)	1,855 (73.0)	1,890 (74.4)	
O	Right angle intersecting aisle	mm (in)	1,595 (62.8)	1,640 (64.6)	1,655 (65.2)	1,640 (64.6)	1,655 (65.2)	
P	Fork length (STD)	mm (in)	900 (35.4)			900 (35.4)		
Q	Floor height	mm (in)	540 (21.3)			540 (21.3)		
R	Seat height	mm (in)	935 (36.8)			935 (36.8)		
S	Head room	mm (in)	1,000 (39.4)			1,000 (39.4)		
T	Counterweight height	mm (in)	870 (34.3)			870 (34.3)		
U	Backrest height	mm (in)	910 (35.8)	905 (35.6)		910 (35.8)	905 (35.6)	
V	Max. fork spread	mm (in)	910 (35.8)			910 (35.8)		
W	Min. fork spread	mm (in)	205 (8.1)			205 (8.1)		
theta a	Departure angle	tan theta %	65		52	65	52	
theta d	Approach angle	tan theta %	27			27		
theta r	Ramp breakover angle	tan theta %	35	32		32		

GENERAL VIEWS

GENERAL VIEWS

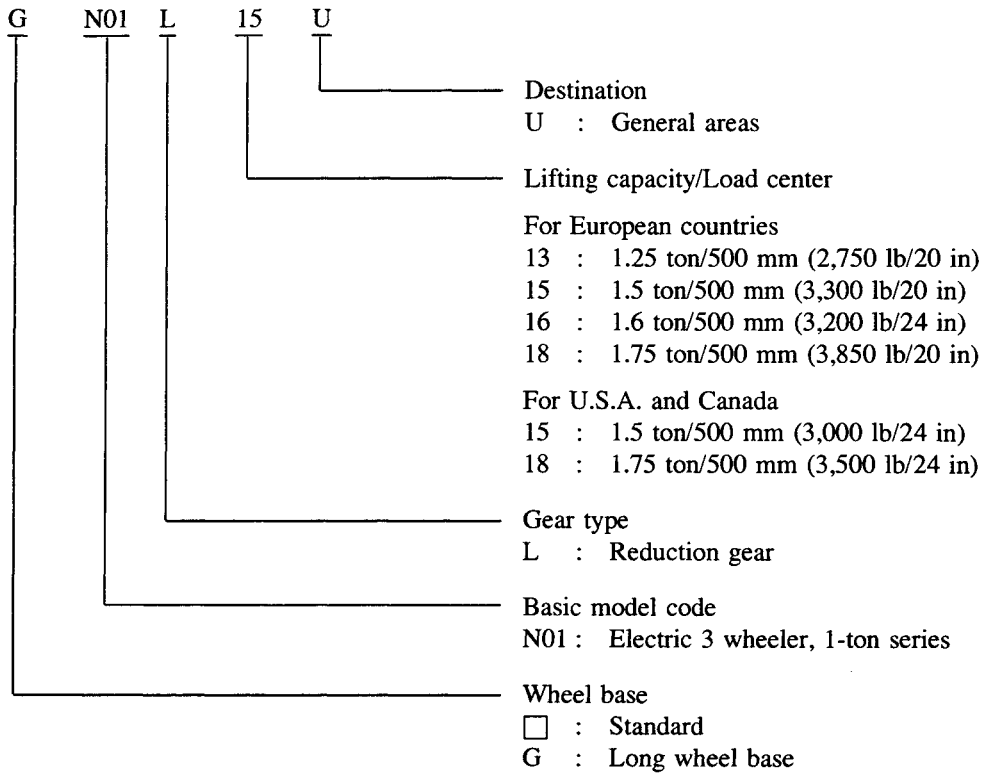


Dimensions

				GN01-U	
				For European countries	
				L16U	L18U
				1.6 ton	1.75 ton
A	Overall width		mm (in)	1,100 (43.3)	
Be	Overall height	Mast (Extended)	mm (in)	3,945 (155.3)	
Bl	Overall height	Mast (Lowered)	mm (in)	1,955 (77.0)	
Bm	Max. fork height		mm (in)	3,000 (118.1)	
C	Free lift		mm (in)	95 (3.7)	100 (3.9)
Df	Ground clearance	Under frame	mm (in)	100 (3.9)	
Dm	Ground clearance	Under mast	mm (in)	75 (3.0)	
Dp	Ground clearance	Under power unit	mm (in)	100 (3.9)	
E	Front overhang		mm (in)	360 (14.2)	365 (14.4)
F	Rear overhang		mm (in)	220 (8.7)	
G	Overall length (without fork)		mm (in)	1,975 (77.7)	1,980 (77.9)
H	Front tread	Super elastic	mm (in)	930 (36.6)	
H	Front tread	Pneumatic	mm (in)	930 (36.6)	
H	Front tread	Cushion	mm (in)	—	
I	Rear tread		mm (in)	205 (8.1)	
J	Wheelbase		mm (in)	1,395 (54.9)	
K	Overall height	Overhead guard	mm (in)	1,980 (77.9)	
Lb	Tilt angle	Backward	degree	6	
Lf	Tilt angle	Forward	degree	4	
M	Min. turning radius	Outside	mm (in)	1,615 (63.6)	
N	Right angle stacking aisle		mm (in)	1,975 (77.8)	1,980 (78.0)
O	Right angle intersecting aisle		mm (in)	1,710 (67.4)	
P	Fork length (STD)		mm (in)	900 (35.4)	
Q	Floor height		mm (in)	540 (21.3)	
R	Seat height		mm (in)	935 (36.8)	
S	Head room		mm (in)	1,000 (39.4)	
T	Counterweight height		mm (in)	870 (34.3)	
U	Backrest height		mm (in)	910 (35.8)	905 (35.6)
V	Max. fork spread		mm (in)	910 (35.8)	
W	Min. fork spread		mm (in)	205 (8.1)	
theta a	Departure angle		tan theta %	65	52
theta d	Approach angle		tan theta %	27	
theta r	Ramp breakover angle		tan theta %	29	

MODEL VARIATION

MODEL VARIATION

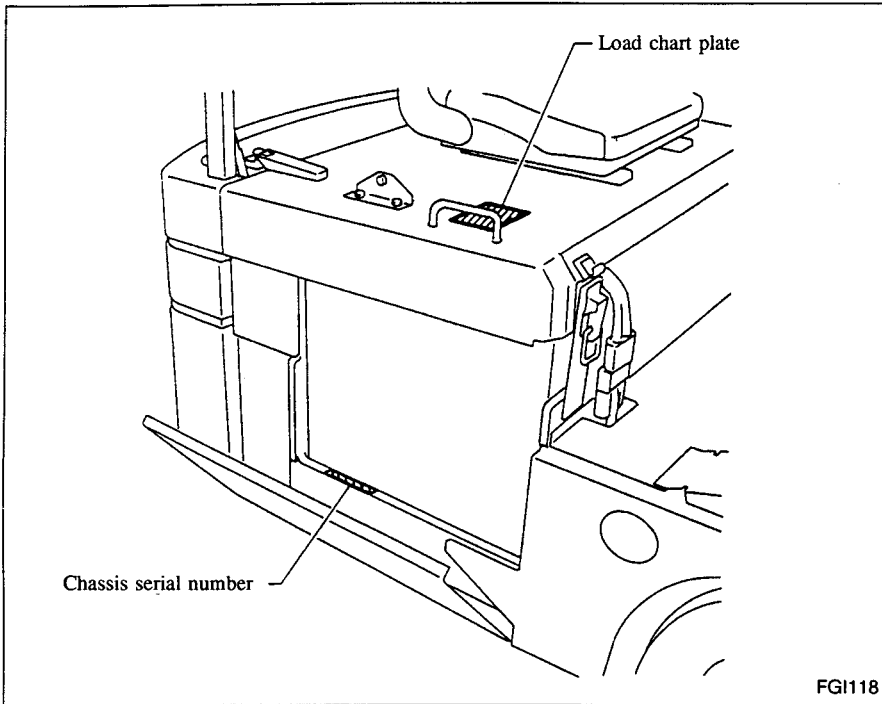


IDENTIFICATION NUMBERS / LOAD CHART

IDENTIFICATION NUMBERS

CHASSIS SERIAL NUMBER

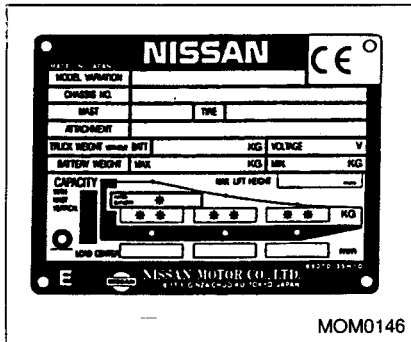
N01-XXXXXX  
GN01-XXXXXX



FGI118

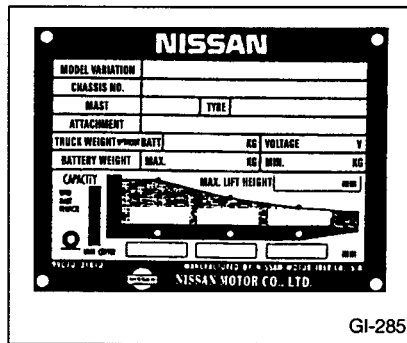
LOAD CHART

The load chart is located on the instrument frame. This chart specifies applicable attachments and range of battery weights, and also indicates the allowable lifting capacity, load center and lifting height.



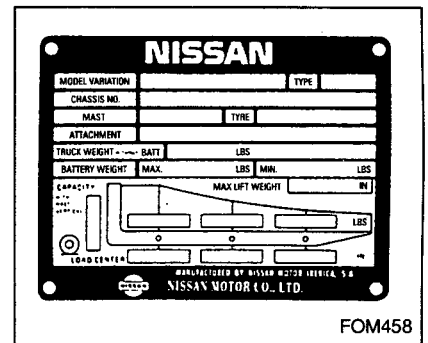
MOM0146

For countries where trucks with the CE marking must be used



GI-285

For except CE marking countries



FOM458

For U.S.A. and Canada



## LIFTING POINTS

# LIFTING POINTS

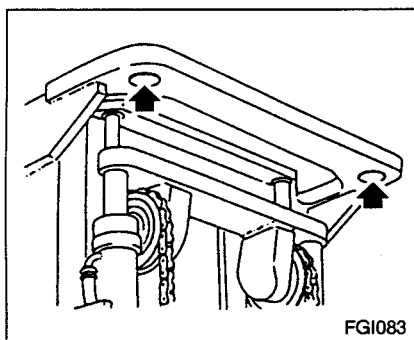
### APPROXIMATE WEIGHT

				N01-U					GN01-U		
				For European countries			For U.S.A. and Canada		For European countries		
				L13U	L15U	L18U	L15U	L18U	L16U	L18U	
				1.25-ton	1.5-ton	1.75-ton	1.5-ton (3,000 lb)	1.75-ton (3,500 lb)	1.6 ton	1.75 ton	
Weight	Truck weight (without battery)			kg (lb)	2,180 (4,810)	2,255 (4,975)	2,415 (5,330)	2,315 (5,105)	2,475 (5,455)	2,160 (4,765)	2,160 (4,765)
	Weight distribution (with battery)	No load	Front axle	kg (lb)	1,320 (2,915)	1,400 (3,095)	1,385 (3,055)	1,443 (3,180)	1,427 (3,145)	1,535 (3,385)	1,615 (3,565)
			Rear axle	kg (lb)	1,410 (3,110)	1,565 (3,445)	1,740 (3,835)	1,572 (3,465)	1,748 (3,855)	1,505 (3,320)	1,615 (3,565)
		Full load	Front axle	kg (lb)	3,490 (7,695)	3,915 (8,630)	4,320 (9,530)	3,955 (8,720)	4,365 (9,625)	4,120 (9,090)	4,450 (9,815)
			Rear axle	kg (lb)	490 (1,085)	550 (1,215)	555 (1,220)	560 (1,235)	560 (1,235)	520 (1,150)	530 (1,170)

### LIFTING POINTS

#### FRONT SIDE

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

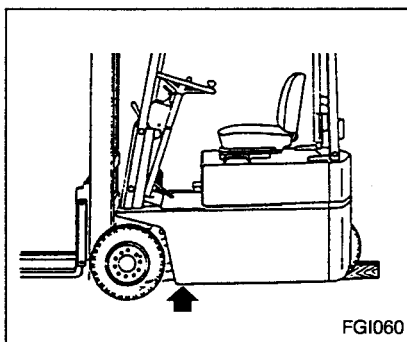


3. Place wooden blocks under both side frames. Gradually lower front end to ground. Be careful not to dislocate blocks while lowering.

#### **WARNING:**

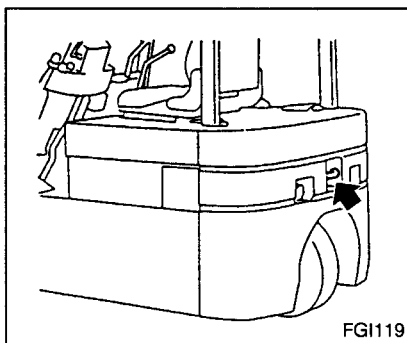
- a. Use the same size wooden blocks on both sides of the lift truck. Wooden blocks should be one-piece and strong enough to support the weight of the lift truck.
- b. Do not use a supporting block higher than 300 mm (11.81 in).
- c. Raise the lift truck just high enough to place the supporting block under the lift truck.
- d. Never put your feet or hands under the lift truck while lifting or lowering it.

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



#### REAR SIDE

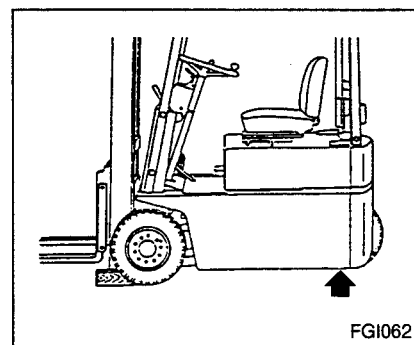
1. Place chocks in front of front wheels.
2. Lift counterweight with a hoist.



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

#### **WARNING:**

- a. Wooden blocks should be one-piece and strong enough to support the weight of the lift truck.
- b. Do not use a supporting block higher than 300 mm (11.81 in).
- c. Raise the lift truck just high enough to place the supporting block under the lift truck.
- d. Place the same size wooden blocks under the left and right sides of the frame, as shown in the figure below.
- e. After supporting lift truck with blocks, swing it back and forth and left and right to see if it is safe.





NISSAN MOTOR CO., LTD.

Industrial Machinery Division  
Overseas Sales Department  
Tokyo, Japan

# TECHNICAL BULLETIN

General Information

**FGI 93-N01**

**TITLE :** CORRECTION TO THE SERVICE MANUAL FOR N01 SERIES

**APPLIED MODEL :** N01 series

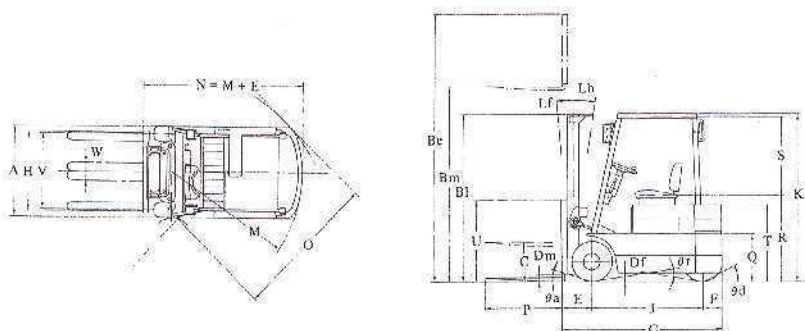
**MODIFICATION NOTICE :**

As a new North American bound model has been added to the N01 series, replace the following pages in N01 Service Manual with the new ones.

Page G1-3, 4, 5, 6  
BE-16

*The information in this bulletin should not be interpreted as the basis for claims unless so designated.  
Whenever you order spare parts, refer to the Spare Parts Bulletin, not to this Technical Bulletin.*

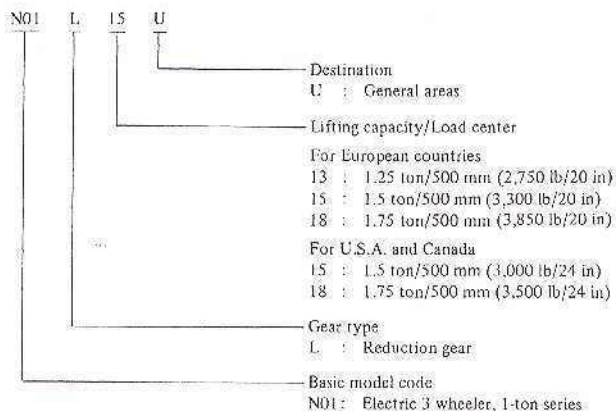
## GENERAL VIEWS



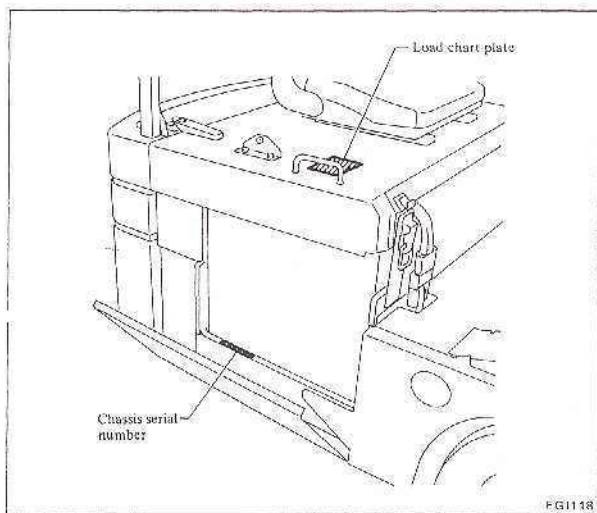
## Dimensions

			M01-U				
			For European countries			For U.S.A. and Canada	
			L13U	L15U	L18U	L15U	L18U
			1.25 ton (2,750 lb)	1.5 ton (3,300 lb)	1.75 ton (3,850 lb)	1.5 ton (3,300 lb)	1.75 ton (3,850 lb)
A	Overall width	mm (in)	1,050 (41.3)			1,050 (41.3)	
Be	Overall height	Mast (Extended)	3,245 (127.3)			4,260 (167.7)	
B1	Overall height	Mast (Lowered)	1,955 (77.0)			1,955 (77.0)	
Bm	Max. fork height		3,000 (118.1)			3,000 (118.1)	
C	Free lift		95 (3.7)			95 (3.7)	
Df	Ground clearance	Under forks	100 (3.9)			100 (3.9)	
Dm	Ground clearance	Under mast	73 (2.9)			73 (2.9)	
Dp	Ground clearance	Under power unit	100 (3.9)			100 (3.9)	
E	Front overhang		360 (14.2)		365 (14.4)		
F	Rear overhang		220 (8.7)		220 (8.7)		
G	Overall length (without fork)		1,750 (68.9)		1,855 (73.0)		
H	Front tread	Super elastic	880 (34.6)			880 (34.6)	
H	Front tread	Pneumatic	880 (34.6)			880 (34.6)	
H	Front tread	Cushion	900 (35.4)		870 (34.3)		
I	Rear tread						
J	Wheelbase		1,170 (46.1)		1,215 (50.2)		
K	Overall height	Overhead guard	1,965 (77.4)			1,965 (77.4)	
Lb	Tilt angle	Backward	6			6	
Lf	Tilt angle	Forward	4			4	
M	Min. turning radius	Outside	1,390 (54.7)		1,495 (58.9)		
N	Right angle stacking aisle		1,750 (68.9)		1,855 (73.0)		
O	Right angle intersecting aisle		1,595 (62.8)		1,640 (64.6)		
P	Fork length (STD)		900 (35.4)			900 (35.4)	
Q	Floor height		540 (21.3)			540 (21.3)	
R	Seat height		935 (36.8)			935 (36.8)	
S	Head room		1,000 (39.4)			1,000 (39.4)	
T	Counterweight height		470 (34.3)			470 (34.3)	
U	Backrest height		910 (35.8)		905 (35.6)		
V	Max. fork spread		910 (35.8)			910 (35.8)	
W	Min. fork spread		205 (8.1)			205 (8.1)	
9a	Departure angle	tan α	65			65	
9d	Approach angle	tan β	27			27	
9c	Ramp breakover angle	tan γ	35		32		

## MODEL VARIATION



## IDENTIFICATION NUMBERS



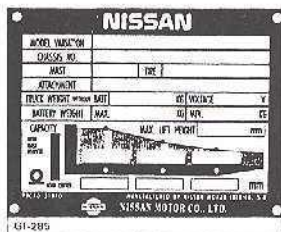
## CHASSIS SERIAL NUMBER

NOJ-XXXXXX

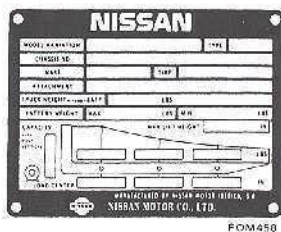
FG1118

## LOAD CHART

The load chart is located on the instrument frame. This chart specifies applicable attachments and range of battery weights, and also indicates the allowable lifting capacity, load center and lifting height.



For European countries



For U.S.A. and Canada

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