

OPERATOR'S MANUAL

SEPJ-33 SEMI-ELECTRIC PALLET JACK



ACTUAL PRODUCT MAY NOT APPEAR EXACTLY AS SHOWN



WARNING

Do not operate or service this product unless you have read and fully understand the entire contents of this manual. Failure to do so may result in property damage, bodily injury or death.

BLUE GIANT[®]

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TABLE OF CONTENTS

1.0	SAFETY PROCEDURES	3
2.0	EXCLUSION OF LIABILITY	3
2.1	FOREWARD	4
3.0	OWNER'S PURCHASE RECORD	4
4.0	WARRANTY	4
5.0	SAFETY SYMBOLS	5
5.1	GENERAL DESCRIPTION	5
5.2	NAME PLATE AND WARNING DECAL	5
5.3	LOAD CAPACITY	7
6.0	BEFORE OPERATION	8
6.1	OPERATOR CHECKS	9
7.0	INSTRUMENTS AND CONTROLS	10
8.0	OPERATION	12
9.0	BATTERY CHARGING	14
10.0	OPERATION INSTRUCTIONS	16

DEALER INFORMATION

Name:

Contact:

Telephone:

1.0 SAFETY PROCEDURES

1. Do not operate this truck unless you have been trained and authorized to do so.
2. Do not operate this truck until you have read and understood all of the safety information and instructions contained herein and on the truck.
3. Do not operate this truck until you have checked its condition. Give special attention to wheels, controls and lifting systems, including steering mechanism, guards and safety devices.
4. Report the need for truck repairs to your supervisor immediately and do not operate truck until repairs are made. Neglect may cause a minor repair to become a major service problem and cause the truck to become unsafe.
5. Do not load truck beyond capacity shown on serial name plate on truck.
6. Do not lift with the fork tips or one fork only.
7. This equipment is designed for evenly centered loads with forks completely supporting the load. Off-centering of loads can result in a dangerous operating condition and may cause damage or injury.
8. Always look in direction of travel. Use caution when visibility is obstructed by load.
9. Extreme caution must be used when handling loosely stacked/packaged loads.
10. Watch swing clearance when turning near walls, racks, pillars or other obstacles.
11. Start, stop, change direction and travel smoothly. Slow down for turns and on uneven or slippery surfaces that cause truck to slide or tip. Be aware that the truck behaves differently without a load than with a load.
12. Observe applicable traffic regulations. Yield right of way to pedestrians.
13. Do not ride on this equipment.
14. Do not carry passengers or lift personnel.
15. Before you leave the truck, fully lower lifting mechanism.

2.0 EXCLUSION OF LIABILITY

The manufacturer assumes no liability for damage or injury to persons or property which has occurred as a result of defects or faults in the hand pallet trucks delivered or due to incorrect use. The manufacturer also assumes no liability for lost profits, operating down times, or similar indirect losses which the buyer has incurred. Damage to third parties, irrespective of its nature, is not subject to compensation.

The operating instructions are not subject to notification of amendment. The descriptions and illustrations included in our operating instructions and replacement parts list are not binding. In the interests of further development, we reserve the right to make any changes at any time to the modules, components and accessories which we deem to be expedient, or for technical reasons, while retaining the essential features of the models described here.

2.1 FOREWARD

As a lift truck operator, you are responsible for a machine that is useful, powerful, and can be hazardous if not operated as described. Your Blue Giant truck may weigh more than some cars, depending on the model. Observing and practicing the safety warnings in this manual cannot be overemphasized. Just knowing the warnings, however, is no substitute for common sense.

This manual is intended to remain with the truck at all times as a handy reference guide to operation. Detailed maintenance procedures are found in the parts and service manual for the specific truck model, and are to be performed only by a qualified technician. For further information on obtaining a complete parts and service manual, see section XX of this manual.

Focusing on the task at hand will, in almost all cases, prevent accidents. Think of the truck as your own. In this way you will learn its capabilities and limitations.

The operator who knows his/her truck will learn to spot problems as they develop. This is accomplished by performing the daily checks and reporting problems to the designated authority.

3.0 OWNER’S PURCHASE RECORD

OWNER’S PURCHASE RECORD	
Please record information for future inquiries and to validate warranty.	
Dealer:	Date in Service:
	Number of Units:
Owner’s Name:	Order Number:
Serial Number:	Year of Construction:

4.0 WARRANTY

To validate warranty on recently purchased equipment, please complete and submit your information with our online Warranty Registration at www.bluegiant.com.

For more information about Blue Giant Warranty Support, please contact your local Blue Giant Equipment dealer, representative or authorized partner near you. You may also visit www.bluegiant.com or phone 1.905.457.3900.

* Note that failure to validate warranty at the time of receipt can seriously affect the outcome of any claim.

5.0 SAFETY SYMBOLS

WARNING and **CAUTION** are both signal words intended to alert the viewer to the existence and relative degree of a hazard. They are both preceded by a safety alert symbol consisting of an exclamation mark enclosed by a triangle.



A **WARNING** indicates a hazard which could result in injury or death if proper precautions are not taken.



A **CAUTION** indicates a reminder of routine safety practices.



A **prohibition slash** (circle with diagonal slash through it) indicates a procedure or action that should not be performed under any circumstances, as both personal injury and/or damage to equipment will result.

5.1 GENERAL DESCRIPTION

Blue Giant pallet trucks lift and transport loads on rigid forks. Controls for steering, braking, forward and reverse travel, horn, lift, lower and speed control are all located on the control handle. Trucks in this series may vary in load capacity, battery arrangement, and instrumentation, depending on model and options.

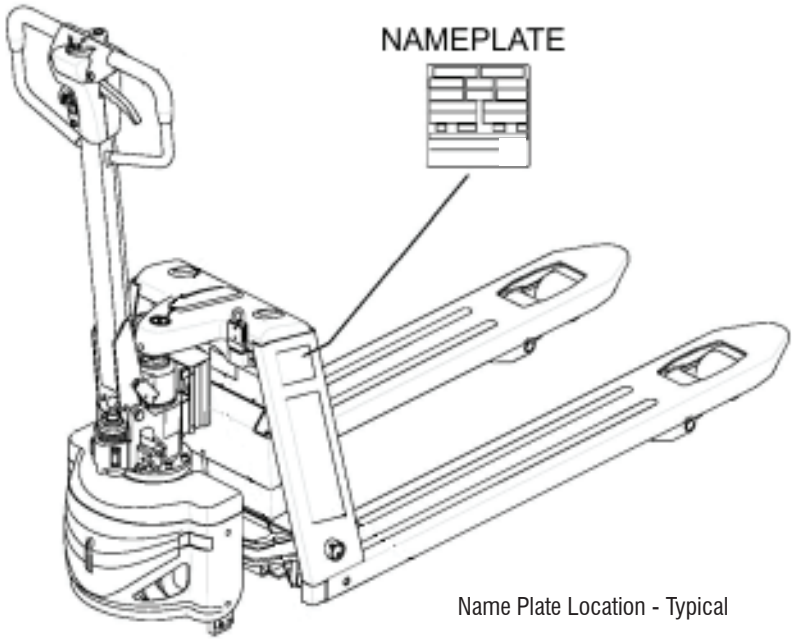
5.2 NAME PLATE AND WARNING DECAL

Name plate and warning decal locations may vary between models, but they are always near the steering arm within sight of the operator. If the name plate or warning decal is lost or damaged they should be replaced immediately. Have your supervisor or the designated authority contact Blue Giant Authorized Dealer for replacement.

The name plate shows the model number, serial number, and truck type. Battery type, with voltage and minimum weight, is shown along with information on the load capacity and load center.





The warning decal contains warnings which also appear, with illustrations, in the Operation section of this manual.

5.2 NAME PLATE AND WARNING DECAL CON'T.



WARNING:

This truck is equipped with a battery. Read and heed the following warning plus any other warnings located near or on the battery. An example is shown here:

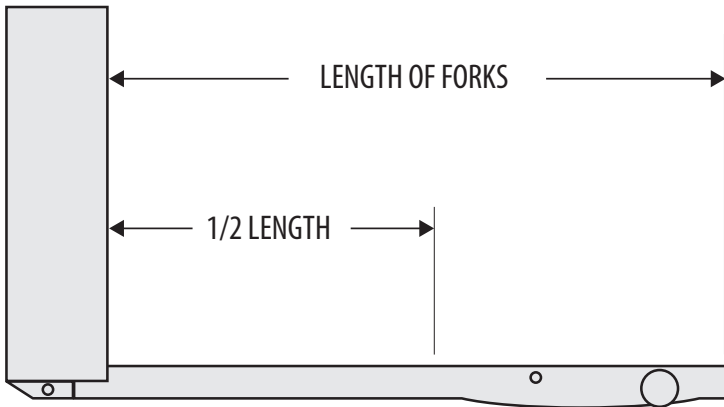
BATTERY HAZARD    	⚠ DANGER EXPLOSIVE / POISON / CAUSTIC NO SPARKS, FLAMES, SMOKING BATTERY ACID CAN CAUSE BLINDNESS AND SEVERE BURNS SHIELD EYES, AVOID SKIN CONTACT IF SPLASHED FLUSH IMMEDIATELY WITH WATER, GET MEDICAL HELP FAST <ul style="list-style-type: none">• Do not service battery while on charge.• Do not connect or disconnect battery from charger while charger is on.• Only qualified and experienced personnel should perform maintenance and repair on batteries.• Use caution while servicing or removing battery. REFER TO BATTERY SAFETY SHEET
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5.3 LOAD CAPACITY

Do not overload truck. Check name plate for load weight capacity and load center information.

The load capacity depends on the load center. The load maximum capacity listed on the capacity plate assumes a uniform load whose center is at $1/2$ the length of the fork and centered between the forks. The maximum load capacity is reduced when the load center exceeds $1/2$ the length of the forks or is not centered between the forks. The fork length and wheelbase must be adequate for the skid or bin to be handled.

Note that a truck undergoing speed changes is less stable than a standing truck. If you are not sure that the truck can lift a certain load, consult your supervisor or the designated authority.



Load Center

6.0 BEFORE OPERATION

The table on page 6 covers important inspection points on trucks which should be checked prior to operation. Depending on use, some trucks may require additional checks. The illustration below shows a sample format for an Operator Checklist, which can be modified as necessary to fit your operation.



WARNING:

Periodic maintenance of this truck by a **QUALIFIED SERVICE TECHNICIAN** is required.

A **QUALIFIED SERVICE TECHNICIAN** should check the truck monthly for proper lubrication, proper fluid levels, brake maintenance, motor maintenance and other areas specified in the parts and service manual maintenance section.

If the truck is found to be unsafe and in need of repair, or contributes to an unsafe condition, report it immediately to the designated authority. Do not operate it until it has been restored to a safe operating condition. Do not make any unauthorized repairs or adjustments. All service must be performed by a **QUALIFIED SERVICE TECHNICIAN**.

Sample of Planned Maintenance Check List

Electric Truck Daily Operator Check Off List		
Date:		Operator:
Truck No.:		Model No.:
Dept.:		Shift:
Hour Meter Reading:		Hoist:
Check	OK (Check)	Needs Maintenance
Tires		
Load Wheels		
Horn		
Lift Lower Control		
Attachment Operation		
Forward & Reverse Controls		
Steering		
Electrical Brakes		
Hydraulic Leaks, Cylinders, Valves, Hoses, etc.		

Sample of Operator Check List

6.1 OPERATOR CHECKS

ITEM	PROCEDURE
Transmission and hydraulic systems	Check for signs of fluid leakage.
Forks	Check for cracks and damage.
Guards and load backrest	Check that safety guards are properly secured and not damaged.
Safety signs	Check that warning labels, nameplate, etc., are in good condition and legible.
Horn	Check that the horn sounds when operated.
Steering	Check for binding or looseness in steering arm when steering.
Travel controls	Check that speed controls on control handle operate in all speed ranges in forward and reverse and that belly button switch functions.
Wheels	Check drive wheel for cracks or damage. Move truck to check load wheels for freedom of rotation.
Manual lift controls	Check operation of manual lift and lower to their maximum positions.
Brakes	Check that brakes actuate when steering arm is raised to upright position and when the battery disconnect is pulled out.
Deadman / Parking brake	Check that steering arm raises to upright position when released and brake applies.
Battery disconnect	Check that battery can be disconnected and reconnected. Check for connector damage.

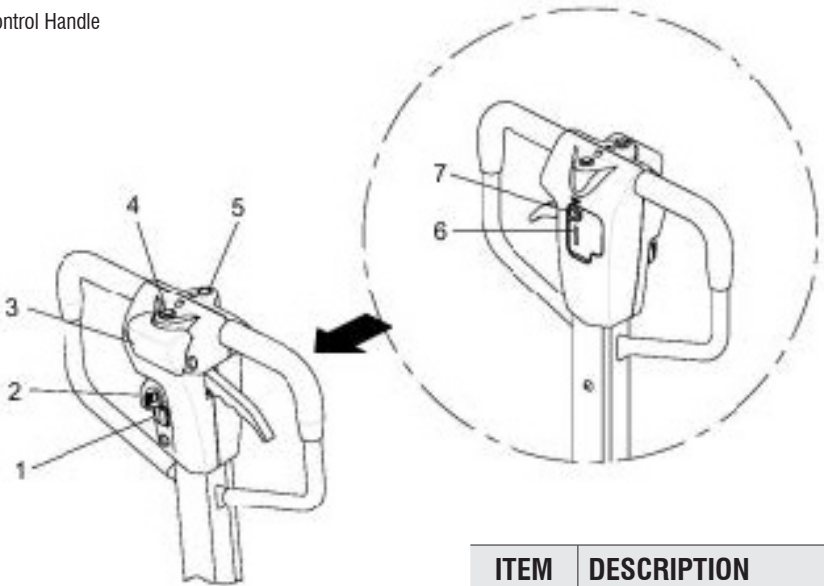
7.0 INSTRUMENTS AND CONTROLS

The steering arm and control handle provide controls for steering, forward and reverse speed control, braking, and raising and lowering the forks. Control handles on all models have a “belly-button” reversing switch which reverses the direction of the truck upon contact with the operator.

Detailed operating instructions are in the Operation section of this manual.

A battery disconnect is mounted near the steering arm. Pulling the disconnect removes all power from truck circuits in the event of an emergency.

Control Handle



ITEM	DESCRIPTION
1	Power Button
2	Operational Key Switch
3	Belly Button Switch
4	Reverse Button
5	Forward Button
6	Battery Indicator
7	Horn Button

7.0 INSTRUMENTS AND CONTROLS CON'T.

1. POWER BUTTON

The power button is used to switch control current on and off.

2. OPTIONAL KEY SWITCH

The optional key switch has two positions, ON and OFF. Removing the key prevents use by unauthorized personnel.

3. BELLY-BUTTON BUTTON

The belly-button button minimizes the possibility of the driver being pinned by the steering arm. If the switch presses against the operator while the lift truck is being driven toward the operator, the switch changes the direction of the lift truck.

4 / 5. FORWARD AND REVERSE BUTTONS

The forward button (5) and the reverse (4) button provide fingertip control for driving the truck.

6. BATTERY INDICATOR

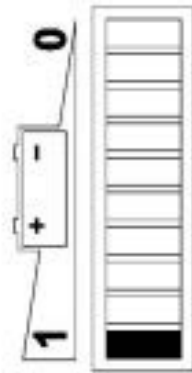
When the key switch is turned on the battery charge indicator displays the battery status.

The colors of the LED represent the following conditions:

- The first LED lights when the battery is properly charged. As the battery charge decreases, additional LEDs will light.
- When the second to the last LED flashes, the battery is 70% discharged.
- When the last two LEDs flash alternately, the battery is 80% discharged and needs to be recharged.

The battery indicator has a memory function, it can remember the battery power after the power is shut down. The next time the power is turned on, it will show the last level of discharge.

Figure 1-1 Battery Indicator



7. HORN BUTTON

The horn button located on the front of the control head activates the horn.

8.0 OPERATION

FORWARD AND REVERSE TRAVEL

The forward and reverse controls are located on the control handle. Lower the control handle to a comfortable position to disengage the brake and to energize the electric circuits. Press the forward button (5) move forward (with load in front). To change direction or to stop the truck, press the reverse button (4). The truck will come to a stop and then, unless the button is released, accelerate in the opposite direction.

STEERING

Moving the control handle right or left will turn the truck right or left. When maneuvering around corners, make square turns and be sure there is adequate clearance.

STOPPING

Emergency Stop

Pull out the battery disconnect. All electrical functions are cut out and the brake is applied.

Automatic Braking

When the control handle is released, it will automatically return to the vertical position and the brake will apply.

Regenerative Braking

When the travel button (4 or 5) is released, the truck automatically brakes regeneratively. Once the truck slows down the brake then fully applies.

Inversion Braking

Press the opposite direction travel button (4 or 5). The truck brake regeneratively until it starts to move in the opposite direction.

LIFT AND LOWER

Lift

Push down on control lever (2) and move control handle (1) up and down until the desired lifting height is achieved. Reset lever (2) to the neutral position.

Lower

Pull up on control lever (2) until the desired lower height is achieved. Reset lever (2) to the neutral position.

8.0 OPERATION CON'T.

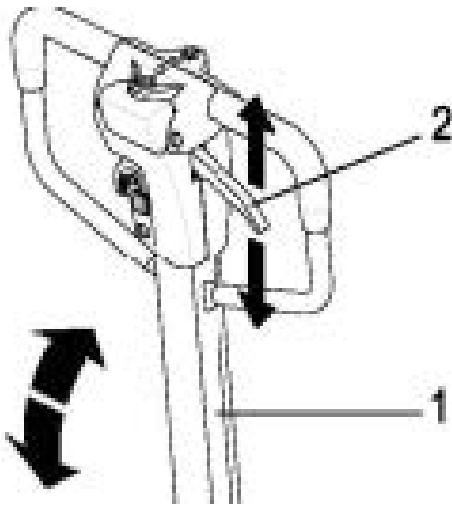


Figure 1-2 Lift Controls


PARKING

When parking the truck, do not obstruct traffic lanes or aisles.

1. Park the truck in its designated parking area.
2. Raise the control handle until vertical to apply the parking brake.
3. Fully lower forks.
4. Turn power switch or optional keyswitch to off position. Remove key for added security.
5. Pull out battery disconnect.

9.0 BATTERY CHARGING

Refer to DOC 245 for battery safety and maintenance.

<p>BATTERY HAZARD</p> 	<p>⚠ DANGER</p> <p>EXPLOSIVE / POISON / CAUSTIC NO SPARKS, FLAMES, SMOKING</p> <p>BATTERY ACID CAN CAUSE BLINDNESS AND SEVERE BURNS</p> <p>SHIELD EYES, AVOID SKIN CONTACT IF SPLASHED FLUSH IMMEDIATELY WITH WATER, GET MEDICAL HELP FAST</p> <ul style="list-style-type: none">• Do not service battery while on charge.• Do not connect or disconnect battery from charger while charger is on.• Only qualified and experienced personnel should perform maintenance and repair on batteries.• Use caution while servicing or removing battery. <p>REFER TO BATTERY SAFETY SHEET</p>
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NOTE: Battery charging instructions are contained in the service manual.

LOAD HANDLING



WARNING:

Handle only loads arranged for stability and always use caution. Raise and lower the load smoothly to prevent the load from falling.



WARNING:

Always be sure the load and load center are within the capacity of the truck. If in doubt check the nameplate.

1. Approach the load slowly.
2. Move the truck slowly into position so that the forks are within pallet or skid, and the load is centered over the forks and as far back as possible.

9.0 BATTERY CHARGING CON'T.

3. Raise the forks to lift load.
4. Lead the truck by the control handle with the load trailing except when in confined areas. Ramps should be traveled with operator uphill of truck when empty, or operator downhill of truck with load on forks.
5. Always look in the direction of travel. Move slowly and check clearances when approaching obstructions.
6. Do not make sudden starts and stops. Operate truck smoothly and gradually.
7. Travel slowly and squarely around corners. Remember that the trailing load wheels do not follow the turn path of the drive wheel. Instead they tend to cut the corner.
8. Line up the truck with the unloading area.
9. Stop the truck and check the load alignment with surrounding objects.
10. Be careful not to damage or move adjacent loads and objects.
11. Lower the forks until the load is resting on its own.
12. Move the truck back until the forks are clear of the pallet.

MOVING A DISABLED TRUCK

Do not attempt to move a disabled truck; notify your supervisor or proper authority.

10.0 OPERATION INSTRUCTIONS

The following operating instructions appear on the truck warning decal, which is located near the steering arm.

Do not operate this truck unless you have been trained and authorized to do so, and have read and understand all warnings and instructions contained in this operator's manual and on this truck.



Do not operate this truck until you have checked its condition.

Give special attention to:

- Wheels
- Horn
- Battery
- Controller
- Lift systems
- Brakes
- Steering mechanism
- Guards
- Safety devices

If you have any questions, notify your supervisor or proper authority.



10.0 OPERATION INSTRUCTIONS CON'T.

The following operating instructions appear on the truck warning decal, which is located near the steering arm.

Operate truck only from walking position.



Wear foot protection and keep feet clear of truck.



10.0 OPERATION INSTRUCTIONS CON'T.

The following operating instructions appear on the truck warning decal, which is located near the steering arm.

Do not carry passengers.



Observe applicable traffic regulations.

Yield right of way to pedestrians.

Slow down and sound horn at cross aisles and wherever vision is obstructed.



10.0 OPERATION INSTRUCTIONS CON'T.

The following operating instructions appear on the truck warning decal, which is located near the steering arm.

Start, stop, travel, steer and brake smoothly.

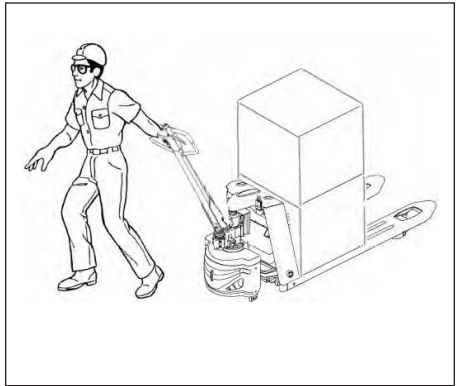
Slow down for turns and on uneven or slippery surfaces that could cause truck to slide or overturn.

Use special care when traveling without load as the risk of overturn may be greater.



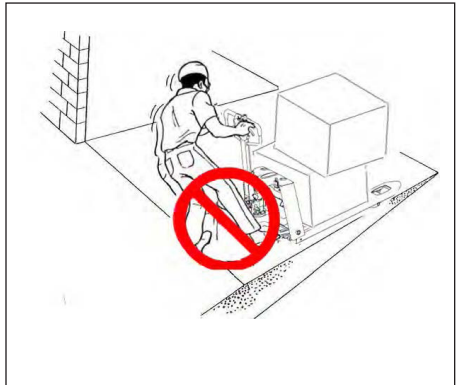
Always look in direction of travel.

Keep a clear view, and when load interferes with visibility, travel with load or lifting mechanism trailing (except when climbing ramps).



Use special care when operating on ramps; travel slowly, and do not angle or turn.

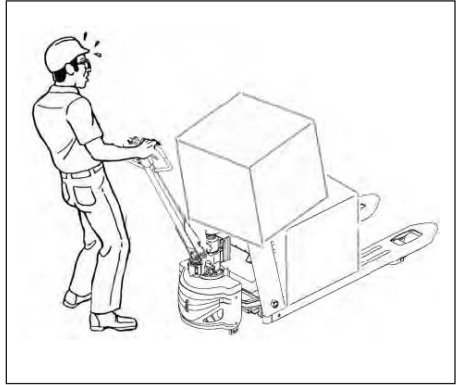
Travel with lifting mechanism downhill.



10.0 OPERATION INSTRUCTIONS CON'T.

The following operating instructions appear on the truck warning decal, which is located near the steering arm.

Do not handle loads which are higher than load backrest or load backrest extension unless load is secured so that no part of it could fall backward.



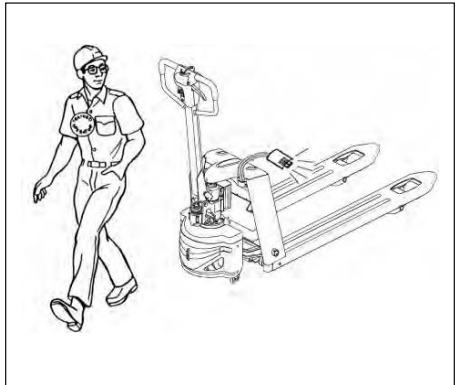
Keep hands out of lifting mechanism.



When leaving truck neutralize travel control.

Fully lower lifting mechanism and set brake.

When leaving truck unattended also shut OFF power.



NOTICE - OBTAINING A PARTS AND SERVICE MANUAL



**A complete parts and service manual covering this truck is available from
BLUE GIANT EQUIPMENT CORPORATION.**

Visit www.bluegiant.com to download a PDF manual.

NOTES

NOTES

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