
Service and Parts Manual

SPM 640

CTR

SERIAL NUMBER

ALWAYS GIVE TRUCK SERIAL
NUMBER WHEN ORDERING PARTS

CLARK Material Handling
Company



**IMPORTANT: READ AND UNDERSTAND THE CONTENTS OF THIS MANUAL
BEFORE OPERATING EQUIPMENT**

SAFETY INFORMATION

- DO NOT OPERATE THIS TRUCK UNLESS YOU HAVE BEEN TRAINED AND AUTHORIZED TO DO SO.
- DO NOT OPERATE THIS TRUCK UNTIL YOU HAVE CHECKED ITS CONDITION. GIVE SPECIAL ATTENTION TO TIRES, BATTERY, CONTROLS, LIFTING SYSTEMS INCLUDING SWITCHES, BRAKES, STEERING MECHANISM, GUARDS AND SAFETY DEVICES.
- REPORT THE NEED FOR TRUCK REPAIRS TO YOUR SUPERVISOR IMMEDIATELY AND DO NOT OPERATE TRUCK UNTIL REPAIRS ARE MADE. NEGLIGENCE MAY CAUSE A MINOR REPAIR TO BECOME A MAJOR SERVICE PROBLEM AND CAUSE THE TRUCK TO BECOME UNSAFE.
- DO NOT EXCEED THE RATED CAPACITY OF THE VEHICLE AS MARKED ON THE NAMEPLATE.
- DO NOT LIFT WITH THE FORK TIPS OR ONE FORK ONLY, IF EQUIPPED.
- UNITS EQUIPPED WITH FORKS ARE 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.
- ALWAYS LOOK IN DIRECTION OF TRAVEL. USE CAUTION WHEN LOAD INTERFERES WITH VISIBILITY.
- EXTREME CAUTION MUST BE USED WHEN HANDLING OR TRANSPORTING LOOSELY STACKED/PACKAGED LOADS.
- START, STOP, CHANGE DIRECTION, TRAVEL AND BRAKE SMOOTHLY. SLOW DOWN FOR TURNS ON RAMPS AND ON UNEVEN OR SLIPPERY SURFACES THAT COULD CAUSE TRUCK TO SLIDE OR TIP. BE AWARE THAT THE TRUCK BEHAVES DIFFERENTLY WITHOUT A LOAD THAN WITH A LOAD.
- KNOW AND UNDERSTAND GRADEABILITY CAPABILITIES OF THIS VEHICLE. MAXIMUM RECOMMENDED GRADEABILITY UNDER LOAD NOT TO EXCEED 5%. STRADDLE TYPE EQUIPMENT IS DESIGNED FOR LEVEL SURFACE ONLY. DO NOT LEAVE TRUCK UNATTENDED ON RAMP.
- OBSERVE APPLICABLE TRAFFIC REGULATIONS. YIELD RIGHT OF WAY TO PEDESTRIANS. SLOW DOWN AND SOUND HORN AT ALL AISLE INTERSECTIONS AND WHERE VISION IS OBSTRUCTED.
- DO NOT RIDE ON THIS EQUIPMENT UNLESS IT HAS BEEN EQUIPPED AND DESIGNED FOR SUCH USE.
- DO NOT ALLOW PERSONNEL TO STAND UNDER THE FORKS, IF EQUIPPED (LOADED OR UNLOADED) WHEN FORKS ARE IN THE RAISED POSITION.
- BEFORE YOU LEAVE THE TRUCK, FULLY LOWER LIFTING MECHANISM, SHUT OFF POWER AND KEYSWITCH IF EQUIPPED, AND APPLY PARKING BRAKE, IF EQUIPPED.
- DO NOT USE FORWARD MAST TILT, IF EQUIPPED WITH THE LOAD ELEVATED UNLESS THE LOAD IS DIRECTLY OVER OTHER SUPPORT.
- WHEN TRAVELLING WITH OR WITHOUT A LOAD, FORKS SHOULD BE IN LOWER MOST POSITION AND TILTED BACK IF APPLICABLE.

FOR STRADDLE TRUCKS, STRADDLE DISTANCE MUST BE EQUALLY SPACED IN RELATION TO TRUCK CHASSIS. STRADDLE INSIDE DIMENSION MUST BE SET AT A MINIMUM OF 25% OF MAXIMUM LIFTING HEIGHT. STRADDLE LEGS ADJUSTMENT SHOULD BE DONE BY AUTHORIZED BLUE GIANT REPRESENTATIVE.

REMEMBER: A SAFE OPERATOR IS A SMART OPERATOR

NOT A CONTROLLED DOCUMENT

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TO ORDER PARTS

For prompt service when ordering parts, please provide the following information to your local distributor.

1. Model and serial number of the vehicle.
2. Part number, description and quantity.
3. Shipping instructions.

When in doubt as to part required, please provide a sketch or the used part as a sample.

RECORD HERE FOR FUTURE REFERENCE

Model Number: _____

Serial Number: _____

Distributor: _____

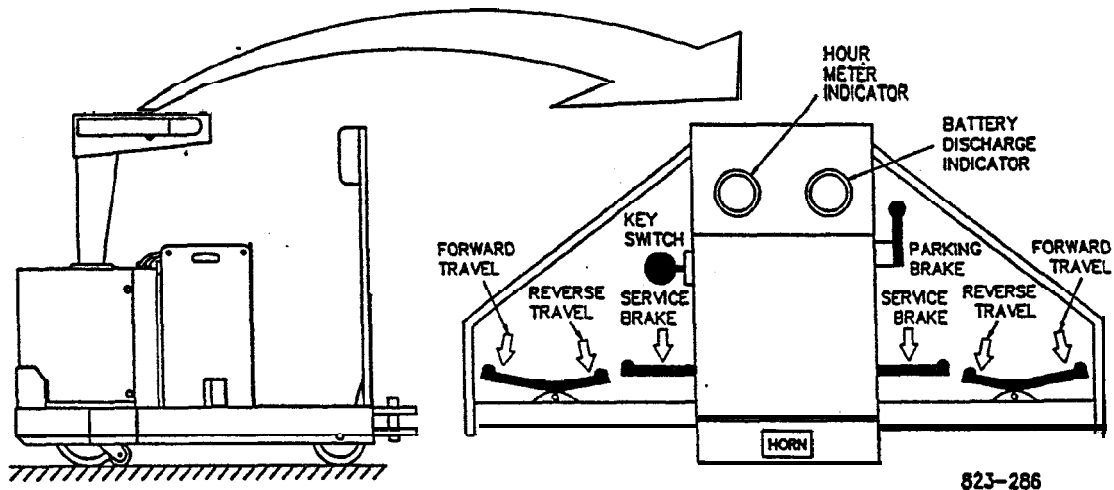
FOR RECOMMENDED PARTS CONTACT BLUE GIANT

ARRIVAL INSPECTION

This equipment was thoroughly inspected and tested prior to leaving the factory. Before placing the equipment in service it should be thoroughly checked for damage or loss occurring in transit. If any such damage or loss is evident, a claim must be made against the carrier. Refer to Damage in Transit information enclosed with the packing slip.

PRE-OPERATION INSTRUCTIONS

- Remove any packing and check for visible damage.
- Open the drive unit cover and check the wiring harness for damage or loose connections.
- Open the battery compartment and check that all connections are tight. Check that the battery or cables have not been damaged. The battery should be fully charged before the vehicle is placed into service. Refer to Battery and Charger Instructions.
- Refer to the Safety and Operating Instructions and check that the truck operates satisfactorily before use.
- Complete the Warranty Validation Form included in this manual and return it to Blue Giant. Warranty may be void if warranty validation form is not completed and returned to Blue Giant.



OPERATING INSTRUCTIONS

HORN:

Horn pushbutton is conveniently located on the steering handle allowing instantaneous finger tip use without travel interruption.

TRAVEL CONTROL:

The Direction and Speed Controls are located on the steering handle. This unit is equipped with Electronic Speed Controls and has variable speed which is regulated by "Squeezing" the appropriate lever.

DIRECTION AND SPEED CONTROL:

The traction motor is 24 volt series wound. Speed is regulated by electronic speed control and direction is controlled by contactors.

Two direction contactors obtain direction reversal by reversing the motor field connections. Current flow through the armature is also controlled by the same direction contactors but is always in the same direction.

BRAKES:

Blue Giant recommends plug braking be used on all products equipped with the electronic speed controls to assure smooth, controlled stops and changes in direction. Parking brake is lever operated.