

TM 10-3930-235-10

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

OPERATOR'S MANUAL

TRUCK, LIFT, FORK, GASOLINE

4,000 LBS CAPACITY

TOWMOTOR MODELS	ARMY MODEL	FSN
462SG4024-100 (SOLID TIRE)	MHE-191	3930-781-3856
462SG4024-144 (SOLID TIRE)	MHE-191	3930-781-3855
502PG4024-144 (PNEUMATIC TIRE)	MHE-190	3930-073-9222

This copy is a reprint which includes current
pages from Changes 3, 5 and 6.

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TECHNICAL MANUAL

No. 10-3939-235-10

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 4 September 1964

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502PG4024-144 (Pneumatic Tire)	MHE 190	3930-073-9222

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CHAPTER 1

INTRODUCTION

Section I. GENERAL

1. Scope

a. These instructions are published for the use of the personnel to whom Towmotor models 462SG4024-100 (Army model MHE-191), 462SG4024-144 (Army model MHR-191), or 502PG4024-144 (Army model MHE-190) forklift truck is issued. They provide information on the operation, lubrication, and preventive maintenance service of the equipment, accessories, components, and attachments.

b. Appendix I contains a list of references applicable to this manual. Appendix II contains the basic issue items authorized for use by the operator and the maintenance and operating supplies required for initial operation. The maintenance allocation chart is published in TM 10-3930-235-20.

c. The direct reporting by the individual user of errors, omissions, and recommendations for improving this manual is authorized and en-

couraged. DA Form 2028 (Recommended Changes to DA Publication) will be used for reporting these improvements. This form will be completed in triplicate using pencil, pen, or typewriter. The original and one copy will be forwarded direct to the Commanding Officer, U.S. Army Mobility Equipment Center, ATTN: SMOME-MM, P.O. Drawer 58, St. Louis, Mo., 63166. One information copy will be provided to the individual's immediate supervisor (officer, noncommissioned officer, supervisor, etc.).

d. Report all equipment improvement recommendations as prescribed by TM 38-750.

2. Record and Report Forms

For record and report forms applicable to the operator, refer to TM 38-750.

Note. Applicable forms, excluding SF 46 which is carried by the operator, will be kept in a canvas bag mounted on the equipment.

Section II. DESCRIPTION AND DATA

3. Description

Army model MHE-191 (Towmotor models 462SG4024-100 and 462SG4024-144) and Army model MHE-190 (Towmotor model 502PG4024-144) is a nontactical forklift truck designed for warehouse operation. These trucks (figs. 1, 2, 3, 4, and 5) can be used to load, transport, unload, and stack loads weighing as much as 4,000 pounds at a load center of 24 inches. (The load center is measured from the heel of the forks.) The model 462SG4024-100 can lift the load to a height of 100 inches and the 462SG4024-144 and 502PG4024-144 can lift the load to a height of 144 inches. The trucks are powered by a four cylinder, in-line, four-stroke cycle, L-head, liquid cooled, gasoline engine and equipped with a single speed automatic transmission.

4. Identification and Tabulated Data

a. *Identification.* The forklift truck has one identification plate, located on the right front of the unit housing. It specifies serial number, model, capacity, Federal stock number, service weight, contract or order number, loading data and center of gravity.

b. *Tabulated Data.*

(1) *Manufacture's identification plate (model 462SG4024-100).*

Serial No. :	
Model -----	462SG4024-144.
Capacity -----	4000 lb at 24-inch LC.
Delivery date:	
FSN -----	3930-781-3856.

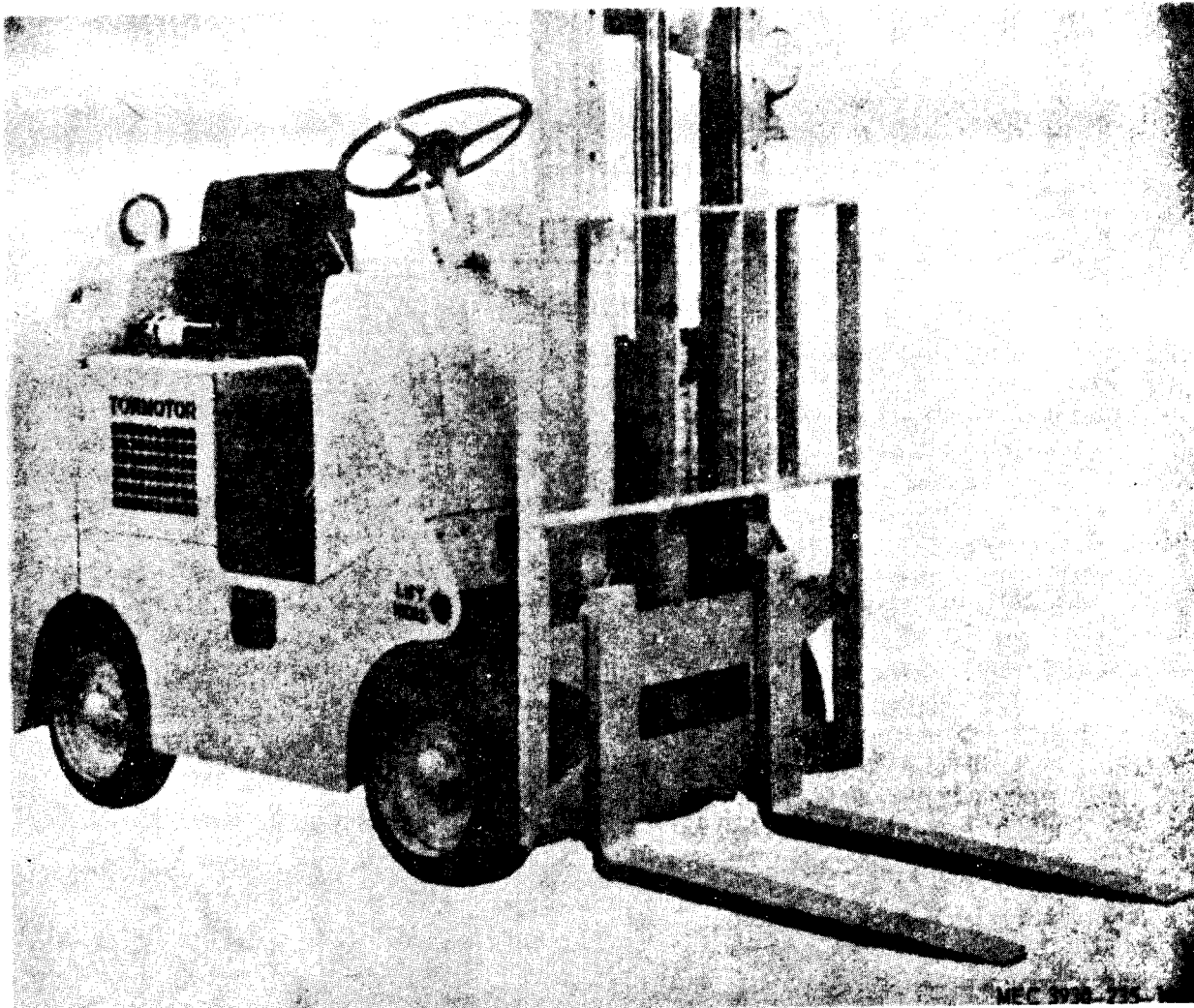


Figure 1. Truck, $\frac{3}{4}$ front and right side view (model 462SG4024-100).

Delivery date-Continued
 Service wt ----- 6606 lb.
 Contractor order No ----- DSA 4-014877
 MP310.
 Maintenance manual ----- TM 10-3930-
 235-series.
 Registration No.:
 U.S. Army model No ----- MHE 191.
 Wheel loading (no load on
 forks):
 Drive wheels-each ----- 1075 lb.
 Steer wheels-each ----- 2228 lb.
 Wheel loading (rated load on
 forks):
 Drive wheels-each ----- 4713 lb.
 Steer wheels-each ----- 6005 lb.
 Center of gravity (no load on
 forks):
 Horizontal ----- 31 in. from
 axle of drive
 wheels.

Center of gravity (no load on
 forks) -Continued
 Vertical ----- 25.9 in. above
 axle of drive
 wheels.

Warranty expiration date
 Type G truck

(2) *Manufacture's identification plate (model 462SG4024-144).*

Serial No.:
 Model ----- 462SG4024-
 144.
 Capacity ----- 4000 lb at 24
 in. L.C.

Delivery date:
 FSN ----- 3930-781-
 3855.
 Service wt ----- 6935 lb.
 Contractor order No ----- DSA 4-014877
 MP310.