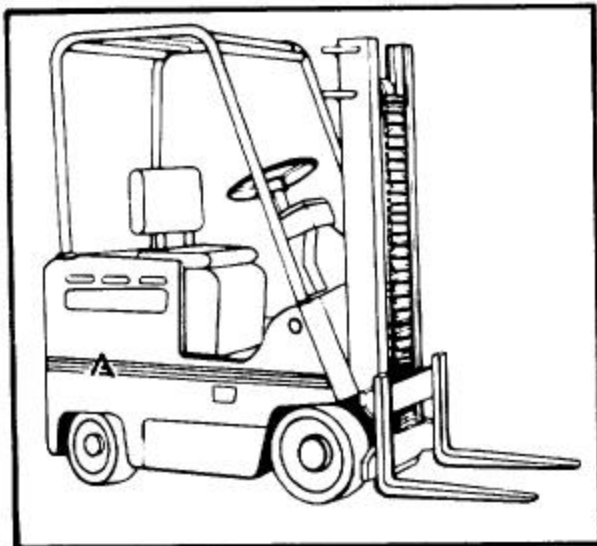


**TECHNICAL MANUAL**

**OPERATOR'S, ORGANIZATIONAL,  
DIRECT SUPPORT AND GENERAL SUPPORT  
MAINTENANCE MANUAL  
(INCLUDING REPAIR PARTS AND  
SPECIAL TOOLS LIST)**



**TRUCK, FORK, LIFT  
SRT: EMD  
MODEL ACE 45K EV EE36V  
4,000 LB. CAPACITY, MHE 257  
ALLIS-CHALMERS  
(NSN 3930-01-126-7505)**

**CHAPTER 1  
OPERATING  
INSTRUCTIONS**

**CHAPTER 2  
MAINTENANCE  
INSTRUCTIONS**

**CHAPTER 3  
REPAIR  
INSTRUCTIONS**

**CHAPTER 4  
REPAIR PARTS  
AND SPECIAL  
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**APPENDIX A  
LIST OF APPLICABLE  
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SUPPLEMENTAL  
OPERATING  
MAINTENANCE AND  
REPAIR PARTS  
INSTRUCTIONS W/MAC**

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Technical Manual }  
No. 10-3930-651-14&P }

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
Washington, DC 28 May 1985

**OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT  
AND GENERAL SUPPORT MAINTENANCE MANUAL  
(INCLUDING REPAIR PARTS AND SPECIAL  
TOOLS LIST)  
FOR**

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SRT: EMD  
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4,000 LB. CAPACITY, MHE 257  
ALLIS-CHALMERS  
(NSN 3930-01-126-7505)**

**REPORTING OF ERRORS**

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures. please let us know. Mail your letter. DA Form 2028 (Recommended Changes to Publications and Blank Forms). or DA Form 2028-2 located in the back of this manual direct to: Commander, US Army Tank-Automotive Command. ATTN: AMSTA-MB. Warren, MI 48090. A reply will be furnished direct to you.

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Appendix A-1 List of Applicable Publications

Appendix B-1 Supplemental Operating, Maintenance and Repair Parts Instructions (SOMARPI) W/Maintenance Allocation Chart

This technical manual is an authentication of the manufacturers commercial literature and does not conform with the format and content specified in AR 310-3. Military Publications. This technical manual does. however. contain available information that is essential to the operation and maintenance of the equipment.

## FOREWORD

Allis-Chalmers Lift Trucks are designed, operator-engineered and manufactured to rigid specifications so that your company can achieve the most production for its investment. Correct operation and regular preventive maintenance, coupled with authorized Allis-Chalmers service and parts will ensure long operational life and continued top performance of your lift truck.

## INTENDED USE

A lift truck is a mobile, self propelled machine intended to lift, stock, and carry material within its rated capacity in and around plants, warehouses, yards, loading platforms, docks, railroad cars, and highway trailers over paved and well graded, semiprepared surfaces for short distances. It is usually associated with manufacturing or warehousing and is not intended for such uses as earth moving, snow removal or over the road hauling. Any unintended use may seriously affect its operational safety, reliability, and longevity.

## WARNING

**DO NOT ATTEMPT TO OPERATE THE LIFT TRUCK UNTIL YOU ARE THOROUGHLY FAMILIAR WITH THE INFORMATION AND SAFETY PRECAUTIONS SET FORTH IN THIS MANUAL.**

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**NOTE**

**This manual is published for the purpose of identifying on authorized commercial manual for the use of personnel to whom this Forklift Truck is issued.**

Allis Chalmers  
 21800 South Cicero Avenue  
 Matteson, IL 60443  
 Procured under Contract No. DAAE07-81-C-6161



**GENERAL CLEANING PROCEDURE****A. GENERAL**

This section contains the necessary information and instructions for cleaning the vehicle.

**B. CLEANING EXTERIOR PARTS**

The exterior parts of the equipment should be thoroughly cleaned prior to disassembly of the truck to remove accumulated mud, tar, and grease.

**⚠ WARNING**

**The use of diesel fuel oil, gasoline, kerosene, or benzene (benzol) for cleaning is prohibited.**

Precaution must be taken during cleaning of electric lift trucks. It is important not to clean the electric truck with steam or water as these methods will result in damage to electric components of the truck.

Proper cleaning of an electric lift truck is accomplished through the use of an industrial vacuum cleaner or low air pressure

(40 psi max.) EXTREME CAUTION must be exercised in cleaning electric and electronic components.

Using an industrial vacuum cleaner, clean the lift truck as follows:

1. Clean all electrical components and electrical compartments.
2. Remove all foreign material or objects from all compartments.
3. To finish cleaning the lift truck use non-conductive, nonflammable solvent such as DuPont Freon TF or Dow Chemical Chlorothene NU. Apply with a brush or cloth or spray the surface requiring cleaning.

**⚠ WARNING**

Clean electric lift truck in a well ventilated area when using Freon or Chlorothene NU solvents in accordance with applicable OSHA and EPA standards.

**C. CLEANING COMPONENT PARTS**

Refer to specific items for cleaning procedures.