

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

TECHNICAL MANUAL

OPERATOR AND ORGANIZATIONAL

MAINTENANCE MANUAL

FOR

TRUCK, LIFT, FORK, EMD, SOLID RUBBER

TIRED WHEELS, 4000LBS. CAPACITY

144 AND 180 IN LIFT

ARMY MODEL MHE 227

ALLIS CHALMERS MODELS

ACE40AEE144 AND ACE40AEE180

NSN 3930-00-327-1603 (144 IN.)

NSN 3930-00-327-1600 (180 IN.)

This copy is a reprint which includes current pages from Changes 1 and 2.

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OPERATOR AND ORGANIZATIONAL MAINTENANCE MANUAL

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	Paragraph	Page
CHAPTER 1. INTRODUCTION		
Section I. General.....	1-1	1-1
II. Description and data.	1-8	1-1
CHAPTER 2. OPERATING INSTRUCTIONS		
Section I. Operating procedures.....	2-1	2-1
II. Operation under unusual conditions.....	2-10	2-9
CHAPTER 3. OPERATOR/CREW MAINTENANCE INSTRUCTIONS		
Section I. Lubrication instructions.....	3-1	3-1
II. Preventive maintenance.....	3-3	3-1
III. Troubleshooting.....	3-5	3-2
IV. Maintenance of truck.....	3-7	3-3
CHAPTER 4. ORGANIZATIONAL MAINTENANCE INSTRUCTIONS		
Section I. Service upon receipt of truck.....	4-1	4-1
II. Movement to a new worksite.	4-3	4-3
III. Repair parts, special tools and equipment	4-5	4-3
IV. Lubrication	4-8	4-3
V. Preventive maintenance	4-13	4-4
VI. Troubleshooting	4-15	4-5
VII. Radio interference suppression.....	4-17	4-7
VIII. Electrical system.....	4-20	4-8
IX. Brakes.....	4-30	4-19
X. Wheels.....	4-36	4-28
XI. Steering system.....	4-38	4-31
XII. Frame and seat	4-42	4-36
XIII. Axle assembly.....	4-47	4-42
XIV. Hydraulic lift components.....	4-50	4-42
APPENDIX A. REFERENCES.....	A-1	A-1
B. MAINTENANCE ALLOCATION CHART	B-1	B-1
C. BASIC ISSUE ITEMS LIST, ITEMS TROOP INSTALLED OR AUTHORIZED LIST AND REPAIR PARTS AND SPECIAL TOOLS LIST.....	C-1	C-1
Index	I-1	I-1

LIST OF ILLUSTRATIONS

Number	Title	Page
1-1.	Fork lift truck, with shipping dimensions, right side view	1-2
1-2.	Fork lift truck, left side view	1-3
1-3.	Wiring diagram	1-5
2-1.	Controls and instruments	2-2
2-2.	Seat adjustment and battery receptacle	2-3
2-3.	Starting the truck	2-4
2-4.	Truck stopping instructions	2-5
2-5.	Lifting operation	2-7
2-6.	Lowering operation	2-8
4-1.	Removing, installing or adjusting carriage forks	4-1
4-2.	Hydraulic filter element indicator installed view	4-3
4-3.	Hourmeter and switches removal and installation	4-9
4-4.	Emergency stop switch and battery receptacle, removal and installation	4-10
4-5.	Stoplight and interlock switches, installed view	4-10
4-6.	Combination rear light, installed view	4-11
4-7.	Combination rear light. installed view	4-11
4-8.	Horn, installed view	4-12
4-9.	Horn button, exploded view	4-13
4-10.	Battery service	4-14
4-10.1	Battery connector, exploded view	4-15.0
4-11.	Contactor box installed view	4-16
4-12.	Brush location	4-17
4-13.	Accelerator control box installed view	4-18
4-14.	Parking brake upper linkage installed view	4-20
4-15.	Parking brake lower linkage installed view	4-21
4-16.	Parking brake linkage adjustment	4-22
4-17.	Checking brake caliper adjustment	4-23
4-18.	Service brake pedal adjustment	4-24
4-19.	Service brake master cylinder, exploded view	4-25
4-20.	Service brake system bleeder screw	4-26
4-21.	Service brake dust shield, installed view	4-26
4-22.	Service brake shoes, installed view	4-27
4-23.	Brake adjuster, disassembly and assembly	4-27
4-24.	Drive wheel, exploded view	4-29
4-25.	Rear wheel exploded view	4-30
4-26.	Steering system	4-32
4-27.	Tire rod exploded view	4-33
4-28.	Spindle stop screw adjustment	4-34
4-29.	Steering cylinder and drag link. exploded view	4-35
4-30.	Battery compartment covers removal and installation	4-37
4-31.1	Drip pan, exploded view	4-38
4-31.	Floor and toe plates exploded view	4-38
4-32.	Overhead guard removal and installation	4-39
4-33.	Seat and mounting. exploded view	4-40
4-34.	Seat assembly, exploded view	4-41
4-35.	Hydraulic system schematic diagram	4-43
4-36.	Hydraulic valve linkage	4-44
4-37.	Hydraulic pump switches installed view	4-45
4-38.	Tilt cylinder, installed view	4-46
4-39.	Tilt cylinder, yoke installed view	4-47
4-40.	Checking degrees of mast tilt	4-47
4-41.	Flow regulator, installed view	4-48
4-42.	Lift chains and carriage, installed view	4-49
4-43.	Lift chains and chain anchors, installed view	4-50
4-44.	Side shift cylinder, exploded view	4-51
4-45.	Side shift hose reel, installed view	4-52
4-45.1	Swivel block, exploded view	4-52
4-46.	Hydraulic reservoir	4-53
4-47.	Hydraulic filter, installed view	4-54
4-48.	Hydraulic filter element indicator	4-55
4-49.	Lifting fork, exploded view	4-56

CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. Scope

This manual is for your use in operating and maintaining the Allis-Chalmers Fork Lift Truck Models ACE40EE144 and ACE40AEE180. The manual provides information on operation and organizational maintenance of the equipment. Included in the manual are descriptions of the main units and their functions in relation to other components.

1-2. Maintenance Forms and Records

a. DA Form 2258, Depreservation Guide for Engineer Equipment.

b. DAForm1397, Processing and Deprocessing for Shipment, Storage and Issue of Vehicles and Spare Engines.

c. Maintenance forms and records that you are required to use are explained in DA Pam 738-750.

1-3. Reporting Errors and Recommending Improvements

You can help improve this manual. If you find any mistakes, or 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, U.S. Army Tank-Automotive Command, ATTN: AMSTA-MB, Warren, MI 48397-5000. A reply will be furnished to you.

1-4. Destruction of Material to Prevent Enemy Use

Procedures to be used for destruction of equipment to prevent enemy use are defined in TM 750-244-6.

1-5. Equipment Serviceability Criteria

This equipment is not covered by an Equipment Serviceability Criteria.

1-6. Administrative Storage

Refer to TM 740-90-1 for instructions pertaining to administrative storage of the fork lift truck.

1-7. Orientation

Throughout this manual the terms right, left, front and rear with respect to the truck and components, are determined from the viewpoint of the operator sitting on the seat of the truck.

Section II. DESCRIPTION AND DATA

1-8. Description

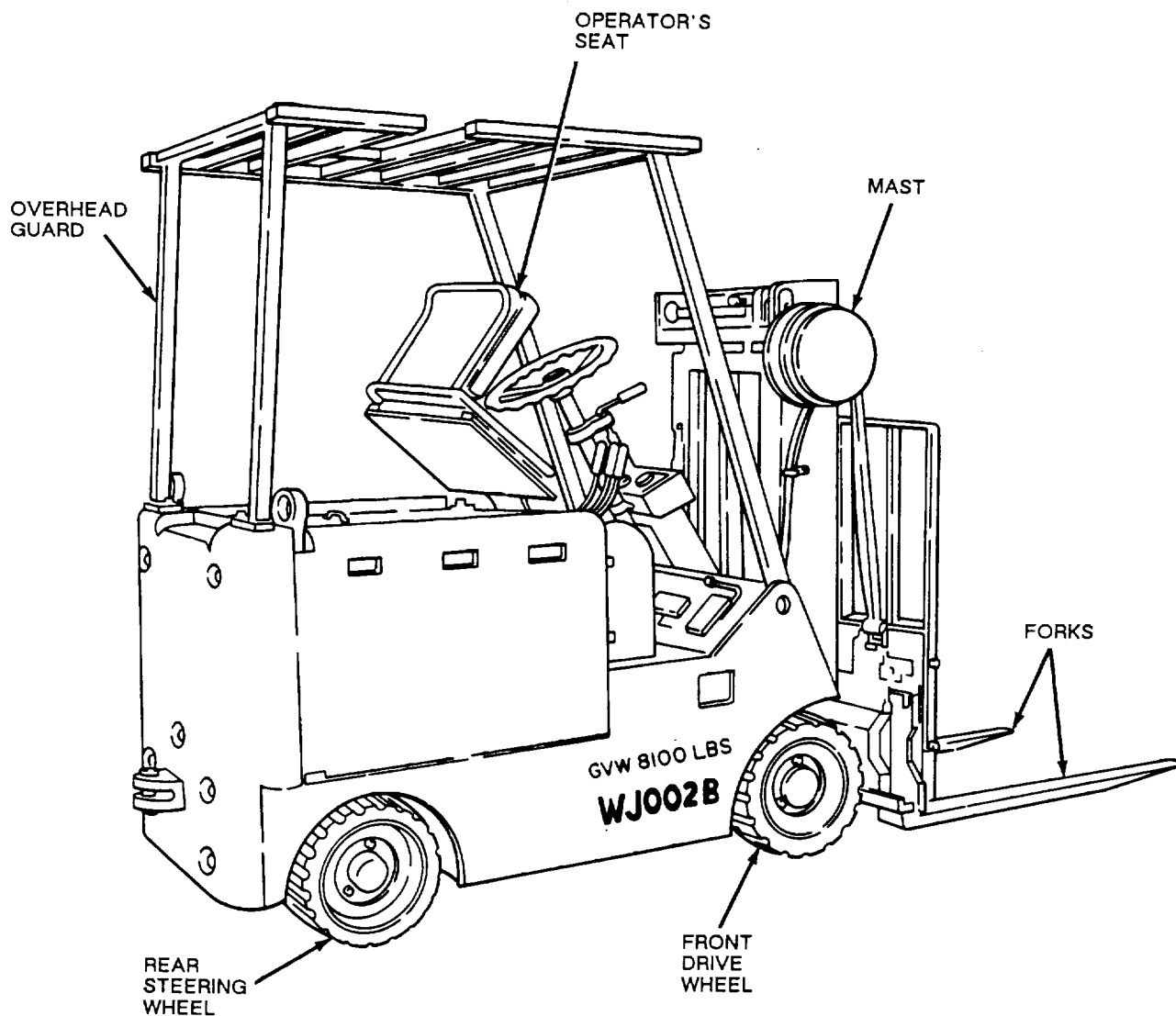
a. The Allis-Chalmers Models ACE40AEE144 and ACE40AEE180 Fork Lift Trucks are nontactical trucks (figs. 1-1 and 1-2) designed for warehouse operation.

The trucks can be used to load, transport, unload and stack loads weighing as much as 4, 000 pounds at a 24 inch load center. (The load center is measured from the heel of the fork).

Change 2 1-1

SHIPPING DIMENSIONS

OVERALL LENGTH	84.25 IN.
OVERALL HEIGHT	82.70 IN.
OVERALL WIDTH	40.00 IN.
SHIPPING CUBAGE	161.06 CU. FT.
SHIPPING WEIGHT:	
ACE40AEE144	7980 LBS.
ACE40AEE180	8110 LBS.



TA501859

Figure 1-1. Fork lift truck with shipping dimensions, right side view.