

TECHNICAL MANUAL

**UNIT, INTERMEDIATE DIRECT SUPPORT
MAINTENANCE MANUAL
INCLUDING SUPPLEMENTAL OPERATING
MAINTENANCE AND REPAIRS PARTS INSTRUCTIONS
(SOMARPI)
AND
REPAIR PARTS AND SPECIAL TOOLS LIST

FOR**

**HAMMER, PILEDRIVER
SELF-POWERED, DIESEL
NSN 3895-01-200-8448
MODEL F1500**

Approved for public release. Distribution unlimited.

**HEADQUARTERS, DEPARTMENT OF THE ARMY
17 DECEMBER 1987**

TECHNICAL MANUAL

TM 5-3895-363-13&P

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, D.C., 17 December 1987

**UNIT, INTERMEDIATE DIRECT SUPPORT
MAINTENANCE MANUAL
INCLUDING SUPPLEMENTAL OPERATING
MAINTENANCE AND REPAIRS PARTS INSTRUCTIONS
(SOMARPI)
AND
REPAIR PARTS AND SPECIAL TOOLS LIST**

FOR

**HAMMER, PILEDRIVER
SELF-POWERED, DIESEL
NSN 3895-01-200-8448
MODEL F1500**

Current as of
December 10, 1987

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

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), of DA Form 2028-2 located in back of this manual direct to: U.S. Army Tank-Automotive Command, ATTN: AMSTA-MB, Warren, MI 48397-5000. A reply will be furnished to you.

Approved for public release, Distribution unlimited.

CHAPTER 1		Page
SECTION I	INTRODUCTION	1
	General Information	1
	Hammer / Components	2
	Serial Number and Component Numbers	3
	Specifications	4
	Operating Principle	5
	Installing Cushion and Anvil	6
	Rigging Primary Drive Cap.....	6
	Fueling	7
	Oiling.....	8
	Fuel Pump.....	9
	Starting the Hammer.....	12
	Maintenance and Repair	12
	Fuel Pump Repair and Testing	19
	Pile Driving Do's and Don'ts	21
	Trouble Shooting	22
	OSHA Tables	24
	Saximeter	25
 CHAPTER 2		
SECTION I	SUPPLEMENTAL OPERATING, MAINTENANCE, AND REPAIR PARTS INSTRUCTIONS (SOMARPI).....	1
	Operation Equipment Requirements	3
	Maintenance	4
 APPENDIX		
	Maintenance Allocation Chart (MAC).	A-1
	Operator / Crew Preventive Maintenance Checks and Services.....	B-1
	Organizational Preventive Maintenance Checks and Services	B-7
	Demolition / Destruction to Prevent Enemy Use	C-1
	Basic Issue Items List (BILL)	D-1
	Maintenance and Operating Supply	E-1
	Warranty Guidelines (Not Applicable)	F-1
	Lubrication Intervals.....	G-1
 CHAPTER 3		
SECTION I	REPAIR PARTS and SPECIAL TOOLS LIST	1
SECTION II	NATIONAL STOCK NUMBER and PART NUMBER INDEX	I-1
	ALPHABETICAL INDEX	Index-1

CHAPTER 1

INTRODUCTION

Section 1. GENERAL INFORMATION

Scope

a. Type of Manual: Unit Intermediate Direct Support Maintenance, including supplemental operating repair parts instructions (SOMARPI) and repair parts special tools list (RPSTL).

b. Model Numbers and Equipment Name: Model 1500-Hammer, Pile Driver, Self-Powered.

c. Purpose of Equipment: Designed to be used with a crane having a lattice or solid boom for driving piles of different lengths.

MAINTENANCE FORMS, RECORDS, AND REPORTS

Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA PAM 738-750, The Army Maintenance Management System (TAMMS).

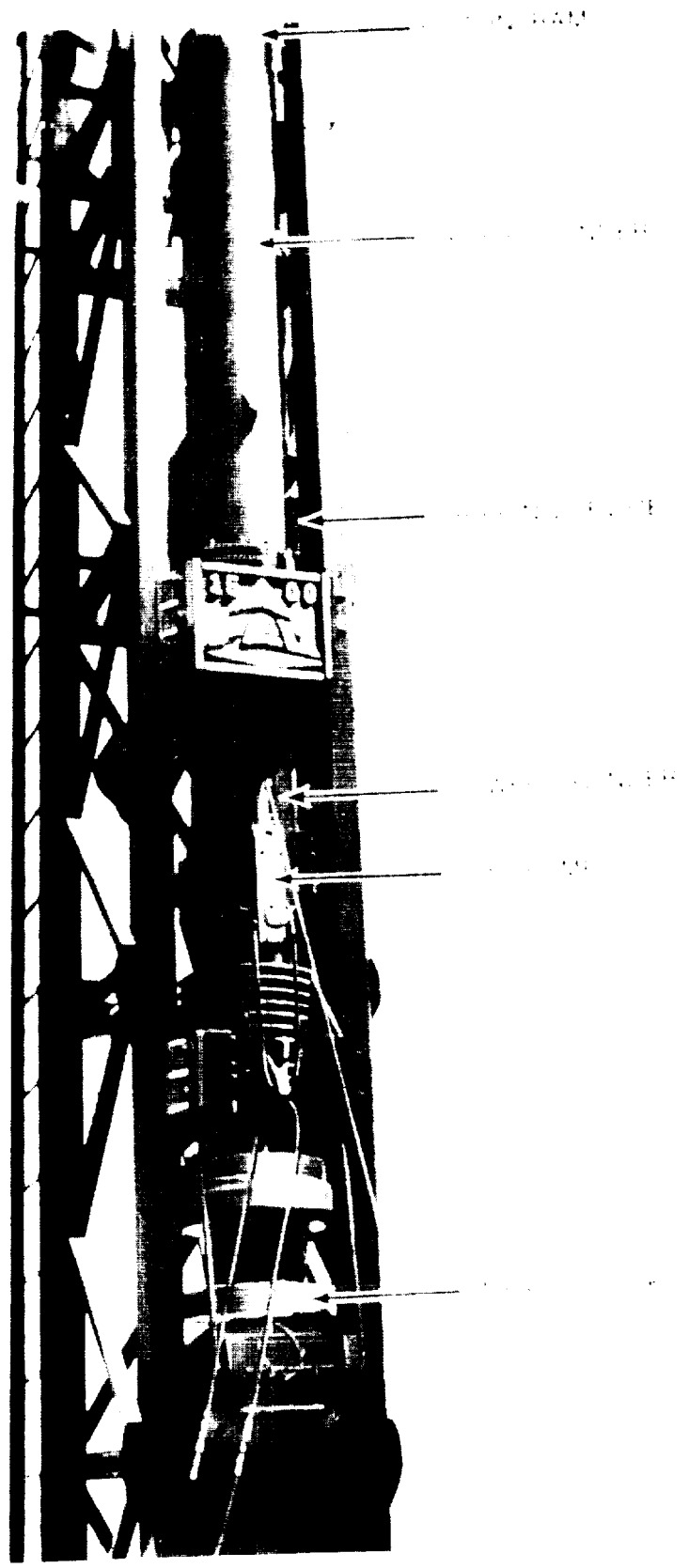
DESTRUCTION OF ARMY MATERIAL TO PREVENT ENEMY USE

Refer to Appendix C of this manual.

REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR)

If your Pile Driver needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design or performance. Put it on an SF 368 (Quality Deficiency Report). Mail it to us at U.S. Tank Automotive Command, AMSTA-MP. We'll send you a reply.

1. HAMMER - COMPONENTS



2. SERIAL NUMBER & COMPONENT NUMBERS

When ordering spare parts, always give serial number.

