HAND RECEIPT
COVERING CONTENTS OF
COMPONENTS OF END ITEM (COEI),
BASIC ISSUE ITEMS (BII), AND
ADDITIONAL AUTHORIZATION LIST (AAL)
FOR

TRACTOR, WHEELED, 4 X 4 DED SMALL EMPLACEMENT EXCAVATOR (SEE) (NSN 2420-01-160-2754) (EIC:EDL)

## **AND**

TRACTOR, WHEELED, 4 X 4 DED
HIGH MOBILITY MATERIAL HANDLER (HMMH)
(NSN 2420-01-205-8636)

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington D. C., 28 July 1993

HAND RECEIPT
COVERING CONTENTS OF
COMPONENTS OF END ITEM (COEI),
BASIC ISSUE ITEMS (BII), AND
ADDITIONAL AUTHORIZATION LIST (AAL)

**FOR** 

TRACTOR, WHEELED, 4 X 4 DED SMALL EMPLACEMENT EXCAVATOR (SEE) (NSN 2420-01-160-2754) (EIC:EDL)

**AND** 

TRACTOR, WHEELED, 4 X 4 DED
HIGH MOBILITY MATERIAL HANDLER (HMMH)
(NSN 2420-01-205-8636)

### 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), 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.

### TABLE OF CONTENTS

Section I	Introduction	1-1
Section II	Hand Receipt	2-1

Approved for public release; distribution is unlimited.

**Page** 

### Section I. INTRODUCTION

**1. SCOPE.** This publication provides an overprinted DA Form 2062 (Hand Receipt), which lists the contents of Components of End Item (COEI), Basic Issue Items (BII), and Additional Authorization List (AAL.) items related to the SEE and HMMH tractors.

### 2. GENERAL.

- **a.** Section II is the overprinted DA Form 2062, which lists the contents of COEI, BII, and AAL extracted from TM 5-2420-224-10. The listings consist of exactly the same items and are in the same sequence as those listings in TM 5-2420-224-10.
- **b.** The overprinted DA Form 2062 will eliminate manual preparation of the form and will assist organizations in inventorying and accounting for property as required by AR 710-2.
- **c.** Local reproduction of the overprinted DA Form 2062 is authorized. However, organizations shall comply with local policies in the reproduction of DA Form 2062 by office copying equipment, field printing plant, or duplicating plant facilities.
- **d.** Additional copies of this publication may be requisitioned from the Commander, U.S. Army Publications Distribution Center, 1655 Wcodson Road, St. Louis, MO 63114-6181, in accordance with Chapter 12, Army Regulation 25-30.

### 3. EXPLANATION OF BLOCKS AND COLUMNS (DA FORM 2062).

- a. From. Enter the organization for which the property book is maintained.
- **b.** <u>To.</u> Enter the Unit Identifier Code (UIC) and the hand receipt file number of the unit/personnel receiving the property.
- **c.** <u>Hand Receipt Number.</u> Enter a locally designated number. Use it to post the location of property in the property book.
- **d.** End Item Stock Number. Contains the National Stock Number (NSN) of the end item covered by the hand receipt.
- e. End Item Description. Contains the end item short title.
- **f.** Publication Number. Contains the TM number of the technical manual containing the Operator/Crew instructions for the equipment.
- g. Publication Date. Date of the Operator/Crew TM.

- h. Quantity of the end item covered by this hand receipt.
- i. <u>Stock Number (Column a).</u> National stock number of the item described. Items without stock numbers should be requisitioned by Contractor and Government Entity (CAGE) Code and part number with exception data in accordance with AR 710-2.
- **j.** <u>Item Description (Column b).</u> Identifies the item contained in the COEI, BII, and the AAL. It will also contain nomenclature, serial/USA number (if applicable) that will be useful in identifying and controlling the item. Serial number is to be inserted and initialed on all copies by hand receipt holder. In addition, it will contain the 5-digit Contractor and Government Entity (CAGE) Code, Part Number (P/N), and Used On Code if applicable.
- k. (Column c). The Accounting Requirements Code (ARC) is entered here.

### NOTE

The Accounting Requirements Code (ARC) refers to property accountability, not to disposal authority. Disposition action and authority for an unserviceable item is governed by the recoverability code (5th position of the SMR code) assigned to the item in the RPSTL.

One of the following codes will apply:

(N) for Nonexpendable: Items not consumed in use, retaining their identity during use,

and requiring that accountability be maintained throughout the

life of the item.

(D) for Durable: Nonconsumable components of sets, kits, outfits, and

assemblages; all tools in FSC'S 5110, 5120, 5130, 5133, 5140,

5180, 5210, 5220, and 5280; and any other nonconsumable

with a price in excess of \$50.00 not already (N).

(X) for Expendable: Items regardless of type classification or price and which are

consumed in use. Includes all class 9 repair parts. Items not consumed in use that cost \$50.00 or less and not already (N)

or (D).

(**III**) Stands for: Information not available.

**I. SEC (Column d).** The Physical Security/Pilferage code is entered here. This is a one-position code that indicates the security classification or pilferage control for storage or transportation of assets. Order of precedence for assignment of codes is classified, sensitive, pilferable, unclassified, as applicable.

SEC CODE	Physical Security Code
Α	CONFIDENTIAL - Former Restricted Data
В	CONFIDENTIAL - Restricted Data
С	CONFIDENTIAL
D	CONFIDENTIAL - Cryptologic
Е	SECRET - Cryptologic
F	TOP SECRET - Cryptologic
G	SECRET - Former Restricted Data
Н	SECRET - Restricted Data
K	TOP SECRET - Former Restricted Data
L	TOP SECRET - Restricted Data
0	Naval Nuclear Propulsion Information
S	SECRET
Т	TOP SECRET
U	UNCLASSIFIED
	Sensitive Items
Р	Ammunition and Explosives
Q	An item that is a drug or other substance determined by the Director, Drug Enforcement Administration (DEA), Department of Justice, to be designated schedule symbol III, IV, or V as defined in the Controlled Substance Act of 1970, and other items requiring secure storage.
R	Alcohol, alcoholic beverages, precious metals, drugs, or other substance determined by the Director, Drug Enforcement Administration (DEA), Department of Justice, to be designated schedule symbol II as defined in the Controlled Substance Act of 1970, and other items requiring vault storage.
7	Sensitive information, prior to disposal, all nameplates, label plates, tags, stickers, documents, or markings, which relate items to weapons system end item application, must be removed and destroyed.

SEC CODE	Ammunition and Explosives Security Risk Code
1	Highest Sensitivity (Category I) – Nonnuclear missiles and rockets in a "ready to fire" configuration (e. g., Hamlet, Redeye, Stinger, Dragon, LAW, VIPER) and explosive rounds for nonnuclear missiles and rockets. This category also applies in situations where the launcher (tube) and explosive rounds, [bough not in a "ready to fire" configuration, are jointly stored or transported.
2	High Sensitivity (Category II) - Arms, Ammunition, and Explosives.
3	Moderate Sensitivity (Category III) - Arms, Ammunition, and Explosives.
4	Low Sensitivity (Category IV) - Arms, Ammunition, and Explosives.
5	Highest Sensitivity (Category I) - Arms, Ammunition, and Explosives with a physical security classification of SECRET.*
6	Highest Sensitivity (Category I) - Arms, Ammunition, and Explosives with a physical security classification of CONFIDENTIAL. *
8	High Sensitivity (Category 11) - Arms, Ammunition, and Explosives with a physical security classification of CONFIDENTIAL. *
	Pilferable Items
I	Aircraft engine equipment and parts
M	Handtools and shop equipment
N	Firearms
V	Individual clothing and equipment
W	Office machines
X	Photographic equipment and supplies
Υ	Communications/electronic equipment and parts
Z	Vehicular equipment and parts
J	Pilferable item, due to its size, shape, and utility, which does not fall under one of the above categories. Pilferage controls may be designated by the coding activity to items coded U (unclassified) by recoding the items to J.

m. UI (Column e). Unit of Issue. Refer to AR 708-1 and/or CDA Pam 18-1 (Catalog Data Activity) for explanation of abbreviations used in this column.

n. QTY AUTH (Column f). The quantity authorized to be on hand, or part of the end item.

<sup>\*</sup> Items coded 5, 6, or 8 will be stored and transported in accordance with the provisions of DOD 5100.76-M or DOD 5200.1-R, whichever is more stringent.

- **o. Quantity (Column g).** Actual quantity on hand. Subcolumns A through F are to be filled in by the receiving unit/personnel in accordance with DA PAM 710-2-1, Chapter 6.
- **p.** Page No./No. of Pages. Contains page number and total number of pages for the COEI, BII, and AAL portions of the hand receipt. Hand receipt holder will initial each page No. (only when two or more forms are involved). When hand receipt holders change, the old initials will be lined out and the new hand receipt holder will initial each page.
- 4. SPECIAL INFORMATION. Not applicable.

### 5. AUTHORIZATION DOCUMENTS.

- **a.** Components of End Items (COEI) are authorized by the applicable Repair Parts and Special Tools List (RPSTL).
- b. Basic Issue Items (BH) are authorized by the applicable operator's manual.
- **c.** Additional Authorization List (AAL) items are authorized by the appropriate MTOE, TDA, CTA, or JTA authorization documents.

### NOTE

The SEE and HMMH vehicles are delivered from the Contractor with Basic Issue Items included. Some of the items delivered by the Contractor will be replaced by standard Army items when replacement is required. In those cases, the replacement items are listed in the Hand Receipt. Those items may not be the same as the items originally delivered with the tractor however, they perform the same function.

## Section II. HAND RECEIPT

HAND RECEIPT For use of this form, see DA I The proponent agency is ODC	A M 710-2-1. SLOG.							HAP	ND RECE	IPT NU	MBE
	-160-2754 END ITEM DESCRIPTION Tractor, Wheeled, 4x4 DED SEE Tractor, Wheeled, 4x4 DED HOOH	TH :	5-2420-2	224-10	PUBLI	CATION	DATE	au	ANTITY		
STOCK NUMBER	ITEM DESCRIPTION	*	SEC	UI	QTY AUTH		<del></del> 1	QUAN	ΠTY		
u.	b.	c.	d.	<i>e.</i>	J.	A	8	С	D	E	
2590-01-270-7565	COMPONENTS OF END ITEM (COEI)	ļ		ļ		ļ					ļ.,
2370-01-270-7303	BACKHOE M35C (SEE): (64678) 419-559-70-30	N	U	EA	1						
5130-01-232-8047	BIT, CARBIDE (SEE): 3/4 in. x 18 in. long	D	М	EA	1					i	
	(54252) 05150										
5130-00-061-4115	BIT, CARBIDE (SEE): 1 in. x 24 in. long	D	М	EA	1						-
	(54252) 02201	<del>                                     </del>			<del>                                     </del>						_
3820-01-232-8048	BIT, CARBIDE (SEE): 2 in. x 24 in. long	D	М	EA	1						_
	(54252) 02283					<del></del>					_
2820-01-161-4753	BIT, CHISEL (SEE): 3-in. point, 14 in. long	D	М	EA	1						-
	(54252) 02337										
3820-01-160-2901	BIT, MOIL POINT (SEE): 14 in. long	D	м	EA	1			-		-	_
	(54252) 02336					<del>                                     </del>				-	Γ
3820-01-242-1440	BREAKER, PAVEMENT BR (SEE): (54252) BR67130M	N	ט	EA	1						
3810-01-296-5045	CRANE (HMMH): (64678) 419-559-72-31	N	บ	EA	1						-
5130-01-178-6338	DRILL, HAMMER HD-45 (SEE): (54252) HD45110M	D	U	EA	1						_
3930-01-269-4983	FORKLIFT (HMMH): (64678) 419-559-71-31	N	υ	EA	1	<del>                                     </del>					-

\* WHEN USED AS A:

HAND RECEIPT, enter Hand Receipt Annex Number

HAND RECEIPT FOR QUARTERS FURNITURE, enter Condition Codes

HAND RECEIPT ANNEX/COMPONENTS RECEIPT, enter Accounting Requirements Code (ARC).

PAGE 1 OF 8 PAGES

# TM 5-2420-224-10, TRACTOR, WHEELED, 4 X 4 DED (SEE/HMMH)

STOCK NUMBER	ITEM DESCRIPTION		SEC	l .,,	QTY HTUA	g.		QUAI	YTITY		
a.	b.	* c.	d.	UI e.	AUTH f.	А	В	С	D	E	
	COMPONENTS OF END ITEM (COEI) - Continued										
	LOADER, FRONT FL-4 (SEE):	N	U	EA	1						
	(64678) 419-559-70-10									<del>,</del>	
3695-01-243-2325	SAW, CHAIN (SEE): (54252) CS06120M	N	М	EA	1						
	15 in. cut bar CSO-6										
3820-01-242-1210	SPADE, CLAY (SEE): 5-1/2 in. (54252) 09262	N	М	EA	1						l
5130-01-300-6052	WRENCH, IMPACT (HMMH):	N	М	EA	1						
	(64678) 419-559-72-02										
											ŀ
											ŀ
					-						
											-
											-
											ŀ
											ŀ
		1									
											ŀ
											1
											-

For i	AND RECEIPT/ANNEX NU use of this form, see DA PA proponent agency is ODCS	M 710-2	710-2-1.									<u>.</u>				HA	ND REC	EIPT NU	IMBER	
FOR ANNEX/CR ONLY	END ITEM STOCK NUMBER 2420-01-160 2420-01-205	-2754 -8636	END ITE	EM DESCRI	PTION Tractor Tractor	. Wheele	d, 4x4 DE d, 4x4 DE	D SEE	PUBLICATION	NUMBE	 M 5-24	0-224-	10	PUBLI	CATION	DATE	QU	ANTITY		
	STOCK NUMBER					ITEM DES	SCRIPTION				*	SEC	UI	OTY		,	QUAN	TITY		
<u> </u>	a.				<del> </del>	Ь	b.				c.	d.	е.	f.	Α	В	С	D	E	F
				BAS	IC IS	SUE I	TEMS	(BII	()											
514	9-01-251-3771	BAG	, TO	OL: (	64678	385	-585-0	01-0	1		N	M	EA	1						
512	0-01-189-6885	BAR	, PI	NCH:	20-in	. (55	719) 2	2420			D	M	EA	1						
511	0-01-247-3784	FIL	E, F	LAT (	SEE):	(542	52) 11	1294			D	M	EA	1						
521	0-01-247-0754	GAG	E, D	EPTH	(SEE)	: (54	252) 1	1129	8		D	M.	EA	1						
491	.0-01-121-9847	GAG	E, T	IRE:	(55719	9) YA	804				D	Z	EA	1						
304	0-01-308-8809	GUI	DE,	CHAIN	WEAR	(HMMI	H): (C	0261	4) 6619	23	х	М	EA	1						
512	0-01-243-5376	HAM	MER:	gene	ral pu	urpos	e, 500	) gr			D	М	EA	1						
		(64	678)	00104	41 500	0001														
512	20-01-114-5499	HAM	MER:	3 lb	(906)	17) 0	16BP				D	М	EA	1						
254	0-01-244-0164	HAN	DLE:	(646	78) 31	15-58	1-00-0	)3			N	М	EA	1						
472	0-01-244-4681	HOS	E, A	IR PU	MP: ge	eneral	l purp	ose	and ti	re	N	Z	EA	1						
		inf	lati	on (64	4678)	000-	591-31	L-04												
512	0-01-255-8246	JAC	к, т	IRE R	EPLACI	EMENT	: (DO6	573)	ADX10-	370	N	М	EA	1						
				-						- Ch										

\* WHEN USED AS A:

HAND RECEIPT, enter Hand Receipt Annex Number

HAND RECEIPT FOR QUARTERS FURNITURE, enter Condition Codes

HAND RECEIPT ANNEX/COMPONENTS RECEIPT, enter Accounting Requirements Code (ARC).

PAGE 3 OF 8 PAGES.

## TM 5-2420-224-10, TRACTOR, WHEELED, 4 X 4 DED (SEE/HMMH)

STOCK NUMBER	ITEM DESCRIPTION		SEC	Ui	QTY	g.		QUAI	YTITY		
<u>a.</u>	b.	* c.	d.	e.	J.	A	В	С	D	E	F
	BASIC ISSUE ITEMS (BII) - Continued										<u></u>
5810-01-296-5521	KIT, FILE GUIDE (SEE): (54252) 11299	D	М	EA	1						
	Composed of:										
	Holder (54252) 11551				1						
	Handle (54252) 11552				1						
	Clamp (54252) 4553				2						
	Nut, Wing (54252) 11554				2						
	File, Round (54252) 11268				2						
5120-01-243-5332	PLIERS: combination, general purpose	D	М	EA	1						
	(64678) 005244 180003										
5120-01-243-9281	ROD: use w/jack 000-583-88-15	N	М	EA	1						
	(D0673) 304587.0										
5120-01-243-5369	SCREWDRIVER: combination, general	D	М	EA	1						
	purpose (64678) 000-581-03-17										
5120-00-264-3796	WRENCH: adjustable, 12-in. (19207) 5323324	D	М	EA	1						
5120-01-245-2362	WRENCH: box type, general purpose, 17x19 mm	D	М	EA	1						T
	(15526) 838 17X19MM										
5120-01-246-3071	WRENCH (SEE): combination, screwdriver and	D	М	EA	1						
	socket (54252) 11464										
5120-01-243-5342	WRENCH: general purpose, 14x15 mm	D	М	EA	1						
	(64678) 000-581-13-24										

HAND RECEIPT/ANNEX NO For use of this form, see DA PA The proponent agency is ODCS	M 710-2-1.	FROM:		TO:				,			HAI	ND RECE	IPT NU	MBER
FOR ANNEX/CR ONLY END ITEM STOCK NUMBER 2420-01-1 2420-01-2	60-2754	TEM DESCRIPTION Tractor, Wheeled, 4x4 DED SEE Tractor, Wheeled, 4x4 DED HANN	PUBLICATION	NUMBER	TH, S	-2420-2	24-10	PUBLI	CATION	DATE	QU	ANTITY		
STOCK NUMBER		ITEM DESCRIPTION			*	SEC	UI	QTY	g.		QUAN	ΠΤΥ		
a.		b.			c.	d.	e.	f.	A	В	С	D	Ε	F
	ВА	SIC ISSUE ITEMS (BII) -	Continue	d										
5120-01-243-5343	WRENCH:	general purpose, 17x19	mm		D	М	EA	1						
	(64678)	000-581-14-24												
5320-01-243-5331	WRENCH:	hex key, general purpos	е		D	М	EA	1						
	(64678)	000911 014006												
5120-01-242-7224	WRENCH:	open end, general purpo	se, 8x9	mm	D	М	EA	1						
	(15526)	3110 8X9MM												
5120-01-242-7225	WRENCH:	open end, general purpo	se, 10x1	L1 mm	D	М	EA	1						
	(15526)	3110 10X11MM												
5120-01-242-7226	WRENCH:	open end, general purpo	se, 12x1	13 mm	D	М	EA	1						
	(15526)	3110 12X13MM												
5120-01-242-7227	WRENCH:	open end, general purpo	se, 19x	22 mm	D	М	EA	1						
	(15526)	3110 19X22MM												
5120-01-241-7575	WRENCH:	open end, general purpo	se, 24x2	27 mm	D	М	EA	1						
	(15526)	3110 24X27MM												

HAND RECEIPT, enter Hand Receipt Annex Number

HAND RECEIPT FOR QUARTERS FURNITURE, enter Condition Codes

HAND RECEIPT ANNEX/COMPONENTS RECEIPT, enter Accounting Requirements Code (ARC).

AGE	OF	_8_	PAG	ES
-----	----	-----	-----	----

<sup>\*</sup> WHEN USED AS A:

## TM 5-2420-224-10, TRACTOR, WHEELED, 4 X 4 DED (SEE/HMMH)

STOCK NUMBER	ITEM DESCRIPTION		SEC	U	QTY	g.		QUA	YTITY		
a.	b.	* c.	d.	e.	f.	A	В	С	D	E	_
	BASIC ISSUE ITEMS (BII) - Continued	ļ									L
5120-01-242-7228	WRENCH: open end, general purpose, 30x32 mm	D	М	EA	1						
	(15526) 3110 30X32MM										
5120-01-245-5268	WRENCH, SOCKET: wheel lug	D	М	EA	1						
	(64678) 404-581-00-01										
	OPERATOR'S MANUAL (TM 5-2420-224-10)	Х	U	EA	1						
	LUBRICATION ORDER (LO 5-2420-224-12)	Х	υ	EA	1						
				1							
											T
		1									T
											T
											T
	-	<del> </del>		1						<del> </del>	+
				<del> </del>	-	<del> </del>	<del> </del>				+
		-	+		+	-					$\dagger$
		-	-	-							+
			-			-				<u> </u>	Ŧ
		<del> </del>		<del> </del>	-	<u> </u>					Ŧ
			<u> </u>			<u> </u>		GE 6		ļ	

For u	AND RECEIPT use of this form, see DA PA proponent agency is ODCS	LOG.	FROM:				TO:		***************************************	<u> </u>				НА	ND REC	EIPT NU	MBER
FOR ANNEX.'CR ONLY	END ITEM STOCK NUMBER 2420-01- 2420-01-	160-2754 l	ITEM DESCRIPT	ION Tractor, Wheel Tractor, Wheel	ed, 4x4 DED SEI ed, 4x4 DED 199	PUBLICATION EN	NUMBER	TH	5-2420-2	24-10	PUBLI	CATION	DATE	QU	WITH	<del></del>	<b>.</b>
	STOCK NUMBER			ITEM DE	ESCRIPTION			*	SEC	u	aty	8.		QUA	YTITY	17-14-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	<del></del>
	<i>a</i> .				h.			c.	d.	e.	AUTH f:	A	8	С	0	ε	F
		AD	DITIONAL	L AUTHOR	ZATION L	IST (AAL	)										
493	0-00-288-1511	ADAPTE	R, GREAS	SE GUN FI	LEX	***************************************		Х		EA	1						
752	0-00-559-9618	CASE, I	MAINTENA	ANCE		<u> </u>		х		EA	1						
395	0-00-329-3309	COME A	LONG, CA	ABLE: 2,0	000 1ь 1і:	ft	-	D		EA	4						
421	0-00-555-8837	EXTING	JISHER,	FIRE				D		EA	1				<del>                                     </del>		-
424	0-00-052-3776	GOGGLES	S, EYE F	ROTECTIV	Æ.			Х	<del> </del>	PR	1				<del> </del>	<del> </del>	<del> </del>
493	0-00-253-2478	GUN, G	REASE	<del></del>			<del></del>	Х	<u> </u>	EA	1	<del> </del> -					-
841	5-00-889-3767	HELMET	CONSTR	RUCTION:	w/clips			X	-	EA	2		<del> </del>	-			-
990	9-00-565-6267	KIT, S	IGN, VEH	IICLE			<u> </u>	X	<del> </del>	EA	1						-
254	0-00-933-6922	TIRE CH	AIN ASS	EMBLY			<del></del>	D	-	PR	1	-			<del> </del>		-
254	0-00-933-6915	TIRE CH	AIN REP	AIR; CRO	SS CHAINS	AND		D	<b> </b>	EA	1						-
		SWIVEL	HOOKS			·							<del>                                     </del>		<del>                                     </del>		-
						<u> </u>			<del> </del>					_			
							··										$\vdash$
						**** <u>****</u>	***************************************						<b> </b>		_		
*	· ·																<del> </del>

\* WHEN USED AS A:

HAND RECEIPT, enter Hand Receipt Annex Number
HAND RECEIPT FOR QUARTERS FURNITURE, enter Condition Codes
HAND RECEIPT ANNEX/COMPONENTS RECEIPT, enter Accounting Requirements Code (ARC).

PAGE 7 OF 8 PAGES.

# TM 5-2420-224-10, TRACTOR, WHEELED, 4 X 4 DED (SEE/HMMH)

STOCK NUMBER	ITEM DESCRIPTION	1 .	SEC	l u l	ary	g.		OUA	יוווא		
<u>a.</u>	b.	* c.	d.	e.	QTY AUTH _{.	A	В	С	D	Ε	T
	ADDITIONAL AUTHORIZATION LIST (AAL) - Cont										T
							<del>                                     </del>	<del> </del>	-		十
		+	<del> </del>	-							$\downarrow$
		-									
											Ī
											†
		+	<del> </del>	-				<del> </del>	-		+
		<del> </del>	<b> </b> -								
			ļ	) ]							
											T
		<del> </del>	<del> </del>	-				<del> </del>			+
		<del></del>	<u> </u>					<u> </u>			1
			}								
								1			+
		<del> </del>									+
		<del> </del>									
					ļ						
								-			†
		+	<del> </del>	-				<del> </del> -			+
		<del> </del>									
				1							
							<u> </u>	<del> </del>			+
		<del> </del>			-	ļ					4
		-	<b> </b>								
						ŀ					
											†
		+	<del> </del>					<del> </del>			+

By Order of the Secretary of the Army:

GORDON R. SULLIVAN General, United States Army Chief of Staff

Official:

Milto H. Hamilton MILTON H. HAMILTON Administrative Assistant to the Secretary of the Army

0458

Distribution:

To be distributed in accordance with DA Form 12-38-E, Block 0972, requirements for TM5-2420-224-10-HR.



### SOMETHING WRONG WITH THIS PUBLICATION?

THEN. . JOT DOWN THE DOPE ABOUT IT ON THIS FORM, CAREFULLY TEAR IT OUT. FOLD IT AND DROP IT IN THE MAIL!

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

Your mailing address

DATE SENT

Date you fill out this form

PUBLICATION NUMBER TM X-XXXX-XXX-XX PUBLICATION DATE Date of TM

PUBLICATION TITLE

Title of TM

	# 14# %F	-21211111			Duite of Time		
BE EXAC	BE EXACT. PIN-POINT WHERE IT IS IN THIS SPACE TELL WHAT IS WRONG						
PAGE NO	PARA- GRAPH	FIGURE NO	TABLE	AND WHAT SHOULD BE DONE ABOUT IT:			
3		Z		Item Shou	10. Change illu m assembled	stration. Reason: Tube end on wrong side of lever cam.	
109		51		AMD		and P/N are not histed on the IRL. Request correct NSN ished.	
2-8			2-1	Iten be	m 7 under " changed to	nance Checks and Services.  Items to be inspected "should read as follows: Firing ing mechanism pawl.	
12	1-6a			Me		this rifle, data on both	
PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER SIGN HERE:							

## RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS

· \		والمناف المناف المراجع المناف المناف ويمرون والمناف ويناف والمناف والمناف والمناف والمناف والمناف والمناف
Lad /	SOMETHING	WRONG WITH THIS PUBLICATION?
		A: (PRINT YOUR UNIT'S COMPLETE ADDRESS)
THEN	JOT DOWN THE	
	BOUT IT ON THIS AREFULLY TEAR IT	
OUT. FO	LD IT AND DROP IT	· · · · · · · · · · · · · · · · · · ·
IN THE	MAIL! DATE	25N1
PUBLICATION NUMBER	PUBLICATION DATE	PUBLICATION TITLE
TM 5-2420-224-10-HR	28 Jul 93	HAND RECEIPT
BE EXACT PIN-POINT WHERE IT IS	IN THIS SPACE TELL WHAT I	SEE AND HMMH TRACTORS
PAGE PARA PIQUAE TABLE	AND WHAT SHOULD BE DON	E ABOUT IT:
NO. GRAPH HO. NO		
		1
		İ
BINTED NAME, GRADE OR TITLE, AND TELEPHONE	NUMBER SIGN HERE:	
mile mane growt on title and telephone	SION HERE:	j

DA , FORM , 2028-2

PREVIOUS EDITIONS ARE OBSOLETE.

P.S.—IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR RECOMMENDATION MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS.

o	CV.	/CD	O.C.	-	$c \sim$	ОМ	202R	-

FILL IN YOUR UNIT'S ADDRESS	FOLD BACK
DEPARTMENT OF THE ARMY	
OFFICIAL BUSINESS	

Commander
US Army Tank-Automotive Command
ATTN: AMSTA-MB
Warren, Michigan 48397-5000

TEAR ALONG PERFORATED LINE

## THE METRIC SYSTEM AND EQUIVALENTS

### **'NEAR MEASURE**

Centimeter = 10 Millimeters = 0.01 Meters = 0.3937 Inches

1 Meter = 100 Centimeters = 1000 Millimeters = 39.37 Inches

1 Kilometer = 1000 Meters = 0.621 Miles

### **YEIGHTS**

Gram = 0.001 Kilograms = 1000 Milligrams = 0.035 Ounces

1 Kilogram = 1000 Grams = 2.2 lb.

1 Metric Ton = 1000 Kilograms = 1 Megagram = 1.1 Short Tons

### LIQUID MEASURE

1 Milliliter = 0.001 Liters = 0.0338 Fluid Ounces

1 Liter = 1000 Milliliters = 33.82 Fluid Ounces

### **SQUARE MEASURE**

1 Sq. Centimeter = 100 Sq. Millimeters = 0.155 Sq. Inches

1 Sq. Meter = 10,000 Sq. Centimeters = 10.76 Sq. Feet

1 Sq. Kilometer = 1,000,000 Sq. Meters = 0.386 Sq. Miles

### **CUBIC MEASURE**

1 Cu. Centimeter = 1000 Cu. Millimeters = 0.06 Cu. Inches 1 Cu. Meter = 1,000,000 Cu. Centimeters = 35.31 Cu. Feet

### **TEMPERATURE**

 $5/9(^{\circ}F - 32) = ^{\circ}C$ 

212° Fahrenheit is evuivalent to 100° Celsius

90° Fahrenheit is equivalent to 32.2° Celsius

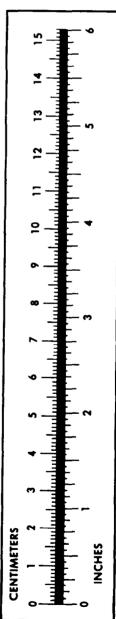
32° Fahrenheit is equivalent to 0° Celsius

 $9/5C^{\circ} + 32 = {\circ}F$ 

### APPROXIMATE CONVERSION FACTORS

TO CHANGE	TO	MULTIPLY BY
Inches	Centimeters	2.540
Feet	Meters	0.305
Yards	Meters	
Miles	Kilometers	
Square Inches	Square Centimeters	
Square Feet	Square Meters	
Square Yards	Square Meters	0.836
Square Miles	Square Kilometers	2.590
Acres	Square Hectometers	
Cubic Feet	Cubic Meters	
Cubic Yards	Cubic Meters	
Fluid Ounces	Milliliters	
nts	Liters	
arts	Liters	
allons	Liters	
Ounces	Grams	
Pounds	Kilograms	
Short Tons	Metric Tons	
Pound-Feet	Newton-Meters	
Pounds per Square Inch	Kilopascals	
Miles per Gallon	Kilometers per Liter	
Miles per Hour	Kilometers per Hour	
•	•	

TO CHANGE	то	MULTIPLY BY
Centimeters	Inches	0.394
Meters	Feet	3.280
Meters	Yards	
Kilometers	Miles	
Square Centimeters	Square Inches	
Square Meters	Square Feet	
Square Meters	Square Yards	1 196
Square Kilometers	Square Miles	0.386
Square Hectometers	Acres	
Cubic Meters	Cubic Feet	
Cubic Meters	Cubic Yards	
Milliliters	Fluid Ounces	
Liters	Pints	
Liters	Quarts	
'ers	Gallons	
.ms	Ounces	
.ograms	Pounds	
Metric Tons.	Short Tons	
Newton-Meters	Pounds-Feet	
Kilopascals	Pounds per Square Inch .	
ometers per Liter	Miles per Square Inch .	9 254
meters per Hour	Miles per Gallon	
miecers per mour	Miles per Hour	U.OZI



PIN: 068063-000