

**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)**

HAND RECEIPT
TM 5-2420-224-10-HR

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

**HAND RECEIPT
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SMALL EMPLACEMENT EXCAVATOR (SEE)
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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.

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Approved for public release; distribution is unlimited.

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. **To.** Enter the Unit Identifier Code (UIC) and the hand receipt file number of the unit/personnel receiving the property.
- c. **Hand Receipt Number.** 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. **Stock Number (Column a)**. 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. **Item Description (Column b)**. 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).
- (■) 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.

<u>SEC CODE</u>	<u>Physical Security Code</u>
A	CONFIDENTIAL - Former Restricted Data
B	CONFIDENTIAL - Restricted Data
C	CONFIDENTIAL
D	CONFIDENTIAL - Cryptologic
E	SECRET - Cryptologic
F	TOP SECRET - Cryptologic
G	SECRET - Former Restricted Data
H	SECRET - Restricted Data
K	TOP SECRET - Former Restricted Data
L	TOP SECRET - Restricted Data
O	Naval Nuclear Propulsion Information
S	SECRET
T	TOP SECRET
U	UNCLASSIFIED
	<u>Sensitive Items</u>
P	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
- Y 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.

* 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 <i>For use of this form, see DA PAM 710-2-1. The proponent agency is ODCSLOG.</i>		FROM:			TO:			HAND RECEIPT NUMBER						
FOR ANNEX-CR ONLY	END ITEM STOCK NUMBER 2420-01-160-2754 2420-01-205-8636	END ITEM DESCRIPTION Tractor, Wheeled, 4x4 DED SEE Tractor, Wheeled, 4x4 DED HMMH			PUBLICATION NUMBER TM 5-2420-224-10			PUBLICATION DATE			QUANTITY			
STOCK NUMBER <i>a.</i>	ITEM DESCRIPTION <i>b.</i>				*	SEC	U	QTY AUTH	<i>g.</i> QUANTITY					
					<i>c.</i>	<i>d.</i>	<i>e.</i>	<i>f.</i>	A	B	C	D	E	F
	COMPONENTS OF END ITEM (COEI)													
2590-01-270-7565	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 (54252) 05150				D	M	EA	1						
5130-00-061-4115	BIT, CARBIDE (SEE): 1 in. x 24 in. long (54252) 02201				D	M	EA	1						
3820-01-232-8048	BIT, CARBIDE (SEE): 2 in. x 24 in. long (54252) 02283				D	M	EA	1						
2820-01-161-4753	BIT, CHISEL (SEE): 3-in. point, 14 in. long (54252) 02337				D	M	EA	1						
3820-01-160-2901	BIT, MOIL POINT (SEE): 14 in. long (54252) 02336				D	M	EA	1						
3820-01-242-1440	BREAKER, PAVEMENT BR (SEE): (54252) BR67130M				N	U	EA	1						
3810-01-296-5045	CRANE (HMMH): (64678) 419-559-72-31				N	U	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	U	EA	1						
* 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).														

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

STOCK NUMBER <i>a.</i>	ITEM DESCRIPTION <i>b.</i>	*	SEC	U	QTY AUTH	g. QUANTITY									
						<i>c.</i>	<i>d.</i>	<i>e.</i>	<i>f.</i>	A	B	C	D	E	F
	COMPONENTS OF END ITEM (COEI) - Continued														
	LOADER, FRONT FL-4 (SEE):	N	U	EA	1										
	(64678) 419-559-70-10														
3695-01-243-2325	SAW, CHAIN (SEE): (54252) CS06120M	N	M	EA	1										
	15 in. cut bar CS0-6														
3820-01-242-1210	SPADE, CLAY (SEE): 5-1/2 in. (54252) 09262	N	M	EA	1										
5130-01-300-6052	WRENCH, IMPACT (HMMH):	N	M	EA	1										
	(64678) 419-559-72-02														

HAND RECEIPT/ANNEX NUMBER <i>For use of this form, see DA PAM 710-2-1. The proponent agency is ODCSLOG.</i>		FROM:	TO:	HAND RECEIPT NUMBER							
FOR ANNEX/CR ONLY	END ITEM STOCK NUMBER 2420-01-160-2754 2420-01-205-8636	END ITEM DESCRIPTION Tractor, Wheeled, 4x4 DED SEE Tractor, Wheeled, 4x4 DED HMMH	PUBLICATION NUMBER TM 5-2420-224-10	PUBLICATION DATE	QUANTITY						
STOCK NUMBER <i>a.</i>	ITEM DESCRIPTION <i>b.</i>	* <i>c.</i>	SEC <i>d.</i>	UI <i>e.</i>	QTY AUTH <i>f.</i>	QUANTITY <i>g.</i>					
			A	B	C	D	E	F			
BASIC ISSUE ITEMS (BII)											
5149-01-251-3771	BAG, TOOL: (64678) 385-585-01-01	N	M	EA	1						
5120-01-189-6885	BAR, PINCH: 20-in. (55719) 2420	D	M	EA	1						
5110-01-247-3784	FILE, FLAT (SEE): (54252) 11294	D	M	EA	1						
5210-01-247-0754	GAGE, DEPTH (SEE): (54252) 11298	D	M	EA	1						
4910-01-121-9847	GAGE, TIRE: (55719) YA804	D	Z	EA	1						
3040-01-308-8809	GUIDE, CHAIN WEAR (HMMH): (02614) 661923	X	M	EA	1						
5120-01-243-5376	HAMMER: general purpose, 500 gr	D	M	EA	1						
	(64678) 001041 500001										
5120-01-114-5499	HAMMER: 3 lb (90617) 016BP	D	M	EA	1						
2540-01-244-0164	HANDLE: (64678) 315-581-00-03	N	M	EA	1						
4720-01-244-4681	HOSE, AIR PUMP: general purpose and tire	N	Z	EA	1						
	inflation (64678) 000-591-31-04										
5120-01-255-8246	JACK, TIRE REPLACEMENT: (D0673) ADX10-370	N	M	EA	1						

* 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).

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

STOCK NUMBER <i>a.</i>	ITEM DESCRIPTION <i>b.</i>	* <i>c.</i>	SEC <i>d.</i>	UI <i>e.</i>	QTY AUTH <i>f.</i>	<i>g.</i> QUANTITY					
						A	B	C	D	E	F
	BASIC ISSUE ITEMS (BII) - Continued										
5810-01-296-5521	KIT, FILE GUIDE (SEE): (54252) 11299	D	M	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	M	EA	1						
	(64678) 005244 180003										
5120-01-243-9281	ROD: use w/jack 000-583-88-15	N	M	EA	1						
	(D0673) 304587.0										
5120-01-243-5369	SCREWDRIVER: combination, general	D	M	EA	1						
	purpose (64678) 000-581-03-17										
5120-00-264-3796	WRENCH: adjustable, 12-in. (19207) 5323324	D	M	EA	1						
5120-01-245-2362	WRENCH: box type, general purpose, 17x19 mm	D	M	EA	1						
	(15526) 838 17X19MM										
5120-01-246-3071	WRENCH (SEE): combination, screwdriver and	D	M	EA	1						
	socket (54252) 11464										
5120-01-243-5342	WRENCH: general purpose, 14x15 mm	D	M	EA	1						
	(64678) 000-581-13-24										

HAND RECEIPT/ANNEX NUMBER <i>For use of this form, see DA PAM 710-2-1. The proponent agency is ODCSLOG.</i>		FROM:	TO:	HAND RECEIPT NUMBER							
FOR ANNEX/CR ONLY	END ITEM STOCK NUMBER 2420-01-160-2754 2420-01-205-8636	END ITEM DESCRIPTION Tractor, Wheeled, 4x4 DED SEE Tractor, Wheeled, 4x4 DED H00GH	PUBLICATION NUMBER TM 5-2420-224-10	PUBLICATION DATE	QUANTITY						
STOCK NUMBER a.	ITEM DESCRIPTION b.	* c.	SEC d.	UI e.	QTY AUTH f.	g. QUANTITY					
						A	B	C	D	E	F
BASIC ISSUE ITEMS (BII) - Continued											
5120-01-243-5343	WRENCH: general purpose, 17x19 mm	D	M	EA	1						
	(64678) 000-581-14-24										
5320-01-243-5331	WRENCH: hex key, general purpose	D	M	EA	1						
	(64678) 000911 014006										
5120-01-242-7224	WRENCH: open end, general purpose, 8x9 mm	D	M	EA	1						
	(15526) 3110 8X9MM										
5120-01-242-7225	WRENCH: open end, general purpose, 10x11 mm	D	M	EA	1						
	(15526) 3110 10X11MM										
5120-01-242-7226	WRENCH: open end, general purpose, 12x13 mm	D	M	EA	1						
	(15526) 3110 12X13MM										
5120-01-242-7227	WRENCH: open end, general purpose, 19x22 mm	D	M	EA	1						
	(15526) 3110 19X22MM										
5120-01-241-7575	WRENCH: open end, general purpose, 24x27 mm	D	M	EA	1						
	(15526) 3110 24X27MM										
* 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).											

TM 5-2420-224-10-HR

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

STOCK NUMBER <i>a.</i>	ITEM DESCRIPTION <i>b.</i>	*	SEC	UI	QTY AUTH	QUANTITY														
						<i>c.</i>	<i>d.</i>	<i>e.</i>	<i>f.</i>	<i>g.</i>	A	B	C	D	E	F				
	BASIC ISSUE ITEMS (BII) - Continued																			
5120-01-242-7228	WRENCH: open end, general purpose, 30x32 mm (15526) 3110 30X32MM	D	M	EA	1															
5120-01-245-5268	WRENCH, SOCKET: wheel lug (64678) 404-581-00-01	D	M	EA	1															
	OPERATOR'S MANUAL (TM 5-2420-224-10)	X	U	EA	1															
	LUBRICATION ORDER (LO 5-2420-224-12)	X	U	EA	1															

HAND RECEIPT For use of this form, see DA PAM 710-2-1. The proponent agency is ODCSLOG.		FROM:	TO:	HAND RECEIPT NUMBER							
FOR ANNEX/CR ONLY	END ITEM STOCK NUMBER 2420-01-160-2754 2420-01-205-8636	END ITEM DESCRIPTION Tractor, Wheeled, 4x4 DED SEE Tractor, Wheeled, 4x4 DED H00H	PUBLICATION NUMBER TM 5-2420-224-10	PUBLICATION DATE		QUANTITY					
STOCK NUMBER <i>a.</i>	ITEM DESCRIPTION <i>h.</i>	* <i>c.</i>	SEC <i>d.</i>	UI <i>e.</i>	QTY AUTH <i>f.</i>	QUANTITY <i>g.</i>					
						A	B	C	D	E	F
ADDITIONAL AUTHORIZATION LIST (AAL)											
4930-00-288-1511	ADAPTER, GREASE GUN FLEX	X		EA	1						
7520-00-559-9618	CASE, MAINTENANCE	X		EA	1						
3950-00-329-3309	COME ALONG, CABLE: 2,000 lb lift	D		EA	4						
4210-00-555-8837	EXTINGUISHER, FIRE	D		EA	1						
4240-00-052-3776	GOGGLES, EYE PROTECTIVE	X		PR	1						
4930-00-253-2478	GUN, GREASE	X		EA	1						
8415-00-889-3767	HELMET, CONSTRUCTION: w/clips	X		EA	2						
9909-00-565-6267	KIT, SIGN, VEHICLE	X		EA	1						
2540-00-933-6922	TIRE CHAIN ASSEMBLY	D		PR	1						
2540-00-933-6915	TIRE CHAIN REPAIR; CROSS CHAINS AND	D		EA	1						
	SWIVEL HOOKS										
* 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).											

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TM 5-2420-224-10-HR

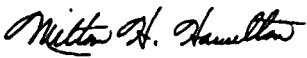
TM 5-2420-224-10, TRACTOR, WHEELED, 4 X 4 DED (SEE/HMMH)

STOCK NUMBER <i>a.</i>	ITEM DESCRIPTION <i>b.</i>	* <i>c.</i>	SEC <i>d.</i>	UI <i>e.</i>	QTY AUTH <i>f.</i>	QUANTITY <i>g.</i>					
						A	B	C	D	E	F
	ADDITIONAL AUTHORIZATION LIST (AAL) - Cont										

By Order of the Secretary of the Army:

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

Official:


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

04581

Distribution:

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

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



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

SOMETHING WRONG WITH THIS PUBLICATION?

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

BE EXACT. PIN-POINT WHERE IT IS

PAGE NO	PARA-GRAPH	FIGURE NO	TABLE NO
3		2	
109		51	
2-8			2-1
12	1-6a		

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

Item 10. Change illustration. Reason: Tube end shown assembled on wrong side of lever cam.

Item 3. The NSN and P/N are not listed on the AMDF nor the MCRL. Request correct NSN and P/N be furnished.

Preventive Maintenance Checks and Services. Item 7 under "Items to be inspected" should be changed to read as follows: Firing linkage and firing mechanism pawl.

Since there are both 20- and 30- round magazines for this rifle, data on both should be listed.

SAMPLE

PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

SIGN HERE:

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



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

SOMETHING WRONG WITH THIS PUBLICATION?

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER

TM 5-2420-224-10-HR

PUBLICATION DATE

28 Jul 93

PUBLICATION TITLE

HAND RECEIPT
SEE AND HMMH TRACTORS

BE EXACT... PIN-POINT WHERE IT IS

PAGE NO.	PARA-GRAPH	FIGURE NO.	TABLE NO.

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

SIGN HERE:

DA FORM 2028-2
1 JUL 79

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.

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

WEIGHT MEASURE

1 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

WEIGHTS

1 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

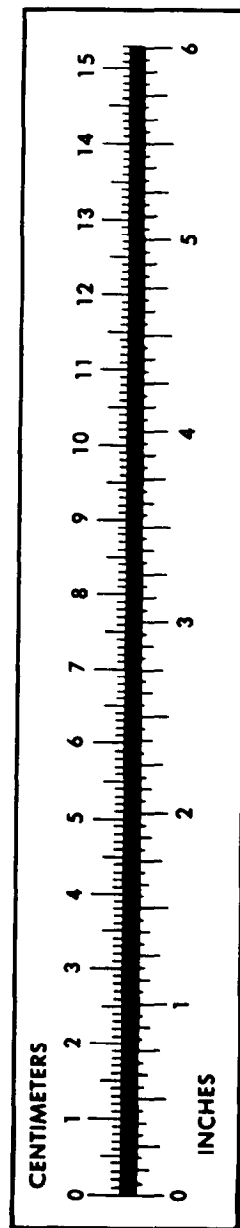
TEMPERATURE

$5/9(^{\circ}\text{F} - 32) = ^{\circ}\text{C}$
 212° Fahrenheit is equivalent to 100° Celsius
 90° Fahrenheit is equivalent to 32.2° Celsius
 32° Fahrenheit is equivalent to 0° Celsius
 $9/5^{\circ}\text{C} + 32 = ^{\circ}\text{F}$

APPROXIMATE CONVERSION FACTORS

TO CHANGE	TO	MULTIPLY BY
Inches	Centimeters	2.540
Feet	Meters	0.305
Yards	Meters	0.914
Miles	Kilometers	1.609
Square Inches	Square Centimeters	6.451
Square Feet	Square Meters	0.093
Square Yards	Square Meters	0.836
Square Miles	Square Kilometers	2.590
Acres	Square Hectometers	0.405
Cubic Feet	Cubic Meters	0.028
Cubic Yards	Cubic Meters	0.765
Fluid Ounces	Milliliters	29.573
its	Liters	0.473
arts	Liters	0.946
allons	Liters	3.785
Ounces	Grams	28.349
Pounds	Kilograms	0.454
Short Tons	Metric Tons	0.907
Pound-Feet	Newton-Meters	1.356
Pounds per Square Inch	Kilopascals	6.895
Miles per Gallon	Kilometers per Liter	0.425
Miles per Hour	Kilometers per Hour	1.609

TO CHANGE	TO	MULTIPLY BY
Centimeters	Inches	0.394
Meters	Feet	3.280
Meters	Yards	1.094
Kilometers	Miles	0.621
Square Centimeters	Square Inches	0.155
Square Meters	Square Feet	10.764
Square Meters	Square Yards	1.196
Square Kilometers	Square Miles	0.386
Square Hectometers	Acres	2.471
Cubic Meters	Cubic Feet	35.315
Cubic Meters	Cubic Yards	1.308
Milliliters	Fluid Ounces	0.034
Liters	Pints	2.113
Liters	Quarts	1.057
ers	Gallons	0.264
ms	Ounces	0.035
ograms	Pounds	2.205
Metric Tons	Short Tons	1.102
Newton-Meters	Pounds-Feet	0.738
Kilopascals	Pounds per Square Inch	0.145
ometers per Liter	Miles per Gallon	2.354
ometers per Hour	Miles per Hour	0.621



PIN: 068063-000