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SUPERSEDES COPY DATED NOVEMBER 1978

## HAND RECEIPT

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

FOR

VEHICLE, COMBAT ENGINEER;  
FULL-TRACKED: M728  
(2350-00-795-1797)

This copy is a reprint which includes current  
pages from Change 1.

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HEADQUARTERS, DEPARTMENT OF THE ARMY

APRIL 1987



CHANGE

NO. 1

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
Washington D.C., 7 February 1991

**HAND RECEIPT**

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

**VEHICLE, COMBAT ENGINEER, FULL-TRACKED: M728**  
**(2350-00-795-1797)**

TM 9-2350-222-10-HR, 10 April 1987, is changed as follows:

1. Remove old pages and insert new pages as indicated below.
2. New or changed information is indicated by a vertical bar in the margin of the page.

**Remove Pages**

2-9 through 2-12

**Insert Pages**

2-9 through 2-12

3. File this change sheet in front of the publication for reference purposes.

**By Order of the Secretary of the Army:**

CARL E. VUONO  
General, *United States Army*  
*Chief of Staff*

Official:

PATRICIA P. HICKERSON  
*Colonel, United States Army*  
*The Adjutant General*

Distribution:

To be distributed in accordance with DA Form 12-37-E, Block 1503, Operator maintenance requirements for TM 9-2350-222-10-HR.



HAND RECEIPT

TM 9-2350-222-10-HR

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
Washington, D.C. 10 APRIL 1987

HAND RECEIPT

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

VEHICLE, COMBAT ENGINEER,  
FULL-TRACKED M728  
(2350-00-795-1797)

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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"This Hand Receipt supersedes TM 9-2350-222-10-HR,15 November 1978

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## 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 M728 Combat Engineer Vehicle.

2. GENERAL .

a. Section II is the overprinted DA Form which lists the contents of COEI, BII, and AAL extracted from TM 9-2350-222-10-3. The listing consist of exactly the same items and are in the same sequence as those listings in TM 9-2350-222-10-3.

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 Office of the Commandeer U.S. Army Adjutant General Publications Center, 2800 Eastern Blvd., Baltimore, MD 21220 in accordance with Chapter 2, AR 310-2.

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

a. From. Enter the organization for which the property block is maintained.

b. To. Enter the 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. 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 Federal Supply Code for Manufacturers (FSCM) 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 the 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 Federal Supply Code for Manufacturers (FSCM), Part Number (P/N), and "Usable on" code if applicable.

k. (Column c). The Accounting Requirements Code (ARC) is entered

NOTE

The Accounting Requirements Code (ARC) refers to property accountability, not the Recoverability Code (RC). The ARC and the RC are listed in the Army Master Data File (AMDF) .

One of the following codes will apply:

- |                      |   |
|----------------------|---|
| N for Nonexpendable: | Items not consumed in use, retaining their identify 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 non 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-which cost \$50.00 or less and not already "N" or "D".                           |
| (.) Stands for:      | Information not available.  |



1. SEC (Column d). The Physical Security/Pilferage code is entered here. This is a one-position code which indicates the security classification or pilferage control for storage or transportation of assets. Order of precedence for assignment of codes is: Classified, Sensitive, Pilferable, and Unclassified, as applicable. Items coded (.) indicate that information is not available.

<u>SEC Code</u>	<u>PHYSICAL SECURITY CODE</u>
---------------------	-------------------------------

A	CONFIDENTIAL - Former Restricted Code
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

SENSITIVE ITEMS

P	Ammunition and Explosives
Q	An item which 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, drug or other substance determined by the

<u>SEC CODE</u>	<u>SENSITIVE ITEMS</u>
R	Director, Drug Enforcement Administration (DEA), Department of Justice, to be designated schedule symbol 11 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 systems and item application, must be removed and destroyed.
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AMMUNITION AND EXPLOSIVES SECURITY RISK CODE

1	<u>Highest Sensitivity (Category 1)</u> - 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, though not in a "ready to fire" configuration, are jointly stored or transported.
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2	<u>High Sensitivity (Category II)</u> - Arms, Ammunition, and Explosives.
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3	<u>Moderate Sensitivity (Category III)</u> - Arms, Ammunition, and Explosives.
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4	<u>Low Sensitivity (Category IV)</u> - Arms, Ammunition, and Explosives .
---	---

5	<u>Highest Sensitivity (Category 1)</u> - Arms, Ammunition, and Explosives with a physical security classification of SECRET.*
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6.	Highest Sensitivity (Category I) - Arms, Ammunition, and Explosives with a physical security classification of CONFIDENTIAL.*
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8	High Sensitivity (Category II) - Arms, Ammunition, and Explosives with a physical security classification of CONFIDENTIAL.*
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PILFERABLE ITEMS

I	Aircraft engine equipment and parts.
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M	Handtools and shop equipment
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\* Items coded 5,6, and 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.

<u>SEC Code</u>	<u>PILFERABLE ITEMS</u>
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. U1 (Column e). Unit of issue. Refer to AR 708-1 and/or CDA Pam 1-1 (Catalog Data Activity) for explanation of abbreviations used in this column. Items coded (.) indicate that information is not available.

N. Qty Auth (Column f). The quantity authorized to be on hand, or part of the end item.

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: AR, as found in Section 11, indicates "AS Required".

#### 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 (BII) 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.



## Section II

HAND RECEIPT/ANNEX NUMBER 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	END ITEM DESCRIPTION	PUBLICATION NUMBER		PUBLICATION DATE	QUANTITY
STOCK NUMBER a.	ITEM DESCRIPTION b.	* c.	SEC d.	UI e.	QTY AUTH f.	QUANTITY g. A B C D E F
2350-00-795-1797	VEHICLE, COMBAT ENGINEER, M728	N	U	EA	1	
	COMPONENTS OF END ITEM (COEI)					
2590-00-906-4741	BOX ASSY; SPARE BULB (19207) 10870949	X	U	EA	1	
2540-00-996-0714	BOX, GRENADES (19207) 10905855	X	U	EA	3	
5340-00-076-8995	BRACKET, ANGLE (19207) 10934067	X	U	EA	1	
5855-01-027-3625	CAP, PROTECTIVE, EYEPiece AN/VVS-2 (80063) SMC771382	X	U	EA	1	
1240-00-980-9292	CONTROL, LIGHT SOURCE (19200) 8619159	X	U	EA	1	
1240-00-970-8656	CONTROL, LIGHT SOURCE (19200) 8619165-1	X	U	EA	1	
1290-00-086-4272	CONTROL, LIGHT SOURCE (19200) 8620860	X	U	EA	1	
5855-01-027-1553	COVER, PROTECTIVE, WINDOW DRIVER'S VIEWER AN/VVS-2 (80063) SMC771364	X	U	EA	1	
1220-00-071-5330	DRIVE, BALLISTICS XM15 (19200) 10516375	X	U	EA	1	
1240-00-348-8449	FILTER BOX ASSY. (LATE MODEL) (19200) 11727476	X	U	EA	1	
1015-01-077-6058	BRACKET (19200) 11727479	X	U	EA	1	
2540-01-142-0512	FILTER BOX (19200) 11727478	X	U	EA	1	
1240-00-871-2883	FILTER, AMBER (19200) 8574729	X	U	EA	1	
<p>* WHEN USED AS A</p> <p>HAND RECEIPT, enter Hand Receipt Annex Number</p> <p>HAND RECEIPT FOR QUARTERS FURNITURE enter Condition Codes</p> <p>HAND RECEIPT ANNEX/COMPONENTS RECEIPT, enter Accounting Requirements Code (ARC).</p>						

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STOCK NUMBER a.	ITEM DESCRIPTION b.	★ c.	SEC d.	U e.	QTY AUTH f.	g. QUANTITY					
						A	B	C	D	E	F
	COEI - CONTINUED										
1240-01-114-9502	FILTER, GREEN (19200) 11727453	X	U	EA	1						
1240-01-115-1082	FILTER, GREEN (19200) 11727456	X	U	EA	1						
1240-01-117-3750	FILTER, GREEN (19200) 11727457	X	U	EA	1						
1240-00-871-2882	FILTER, NEUTRAL (19200) 8574730	X	U	EA	1						
1240-00-871-2884	FILTER, RED (19200) 8574728	X	U	EA	1						
5305-00-702-4523	SCREW (96906) MS35307-306	X	U	EA	1						
5310-00-933-8121	WASHER (96906) MS35338-139	X	U	EA	1						
1240-00-970-8657	FILTER BOX ASSY (EARLY MODEL) (19200) 8620450	X	U	EA	1						
1240-00-970-8658	BOX ASSY (19200) 8620670	X	U	EA	1						
1240-00-871-2883	FILTER, AMBER (19200) 8574729	X	U	EA	1						
1240-00-871-2882	FILTER, NEUTRAL (19200) 8574730	X	U	EA	1						
1240-00-871-2884	FILTER, RED (19200) 8574728	X	U	EA	1						
5305-00-207-8253	SCREW (96906) MS35307-8	X	U	EA	1						
5310-00-043-5862	WASHER (96906) MS35337-82	X	U	EA	1						
4240-00-964-9061	FILTER UNIT, GAS PARTICULATE (81361) DL5-19-3051	X	U	EA	1						
1240-00-979-3595	HANGER ASSY, TELESCOPE (19200) 10516077	X	U	EA	1						
1240-00-768-8707	HEAD, DRIVER'S PERISCOPE M24 (19200) 7688707	X	U	EA	1						
2540-00-706-8219	HOOK, TOW CABLE (19200) 7068219	X	U	EA	1						

HAND RECEIPT/ANNEX NUMBER 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	END ITEM DESCRIPTION	PUBLICATION NUMBER		PUBLICATION DATE	QUANTITY					
	2350-00-795-1797	Vehicle, Combat Engineer, M728	TM 9-2350-222-10-3								
STOCK NUMBER a.	ITEM DESCRIPTION b.	* c.	SEC d.	UI e.	QTY AUTH f.	QUANTITY g.					
						A	B	C	D	E	F
	COEI-CONTINUED										
1290-00-790-1926	INDICATOR, AZIMUTH, M28E2 (EARLY MODEL) (19200) 10933520	X	U	EA	1						
1290-00-370-3467	INDICATOR, AZIMUTH, M28E2 (LATE MODEL) (19200) 10933520-1	X	U	EA	1						
5820-00-494-6630	INSTALLATION HARNESS AN/VRC-46, AN/VRC-53 (80063) PPL5208	X	U	EA	1						
1055-01-015-0874	LAUNCHER, SMOKE GRENADE, M239 (81361) B13-12-32	N	U	EA	1						
1040-01-041-9830	BIN, SMOKE GRENADES (K6897) FV576789	X	U	EA	2						
1040-01-042-3861	COVER, DISCHARGER, LEFT (K6897) FV578937	X	U	EA	1						
1040-01-043-7896	COVER, DISCHARGER, RIGHT (K6897) FV578934	X	U	EA	1						
1040-01-041-9829	DISCHARGER, LEFT (K6897) FV855991	X	U	EA	1						
1040-01-041-9828	DISCHARGER, RIGHT (K6897) FV855990	X	U	EA	1						
5975-01-047-8359	PUSHBUTTON, FIRING (K6897) FV861135	X	U	EA	1						
1290-00-658-4307	LIGHT, INSTRUMENT M30 (19200) 6584307	X	U	EA	1						
1290-00-535-7630	LIGHT, INSTRUMENT M50 (19200) 7651744	X	U	EA	1						
1240-00-980-9293	LINK ASSY, M36 OR M36E1 INSTRUMENT (19200)10516123	X	U	EA	1						
<p>* WHEN USED AS A</p> <p>HAND RECEIPT, enter Hand Receipt Annex Number</p> <p>HAND RECEIPT FOR QUARTERS FURNITURE, enter Condition Codes</p> <p>HAND RECEIPT ANNEX/COMPONENTS RECEIPT, enter Accounting Requirements Code (ARC).</p>											

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STOCK NUMBER a.	ITEM DESCRIPTION b.	* c.	SEC d.	UI e.	QTY AUTH f.	QUANTITY g.					
						A	B	C	D	E	F
	COEI - CONTINUED										
5310-00-584-7888	LOCKWASHER (96906) MS35338-51	X	U	EA	3						
5310-00-011-6124	LOCKWASHER (BRACKET TO CLEVIS) (96906) MS35338-70	X	U	EA	1						
1240-00-676-2176	MOUNT, PERISCOPE M114 (19200) 8574690	X	U	EA	1						
1240-00-796-9686	MOUNT, PERISCOPE M118 (EARLY MODEL) (19200) 8619450	X	U	EA	1						
1240-00-348-8446	MOUNT, PERISCOPE M118E1 (LATE MODEL) (19200) 11727490	X	U	EA	1						
1240-00-796-9687	MOUNT, PERISCOPE M119 (19200) 8619585	X	U	EA	1						
5310-00-763-8901	NUT (96906) MS51968-23	X	U	EA	3						
5310-00-763-8894	NUT (BRACKET TO CLEVIS) (96906) MS51968-24	X	U	EA	1						
1240-00-980-9291	PERISCOPE, COMMANDER'S M36 (19200) 10515850	X	U	EA	1						
1240-00-348-8441	PERISCOPE, COMMANDER'S M36E1 (LATE MODEL) 11727460	X	U	EA	1						
1240-00-344-4647	PERISCOPE, DRIVER'S M24 (EARLY MODEL) (19200) 8293676	X	U	EA	1						
1240-00-344-4643	PERISCOPE, DRIVER'S M27 (19200) 7633132	X	U	EA	1						
1240-00-762-9335	PERISCOPE, GUNNER'S M32C (EARLY MODEL) (19200) 10516600	X	U	EA	1						
1240-01-092-7910	PERISCOPE, GUNNER'S M32CE1 (LATE MODEL) (19200) 11747440	X	U	EA	1						
6650-00-856-9455	PERISCOPE, LOADER'S M37 (19200) 8635100	X	U	EA	1						
5315-00-706-9195	PIN, GROOVED HEADLESS (19200) 7069195	X	U	EA	4						
5315-00-350-4326	PIN, LOCK (19200) 5213744	X	U	EA	8						
1290-00-856-9451	QUADRANT, FIRE CONTROL M13A3 (19200) 7695046	X	U	EA	1						
5305-00-082-6977	SCREW (BRACKET TO CLEVIS) (96906) MS90727-192	X	U	EA	1						
1240-00-056-4854	SIGHT, INFINITY (19200) 8635466	X	U	EA	1						





HAND RECEIPT/ANNEX NUMBER 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	END ITEM DESCRIPTION	PUBLICATION NUMBER		PUBLICATION DATE	QUANTITY					
	2350-00-795-1797	Vehicle, Combat Engineer M728	TM 9-2350-222-10-3								
STOCK NUMBER a.	ITEM DESCRIPTION b.	* c.	SEC d.	U e.	QTY AUTH f.	QUANTITY g.					
						A	B	C	D	E	F
5110-00-293-2336	AX, SINGLE BIT, 4LB HEAD, 34 IN LG HANDLE (19207) 6150925	D	M	EA	1						
1015-00-799-7410	BAG ASSY, EMPTY CARTRIDGE 7.62MM (19207) 7997410	X	U	EA	1						
2540-00-670-2459	BAG ASSY, PAMPHLET (19207) 11676920	X	U	EA	1						
5140-00-473-6256	BAG, TOOL, SATCHEL (19207) 11655979	D	M	EA	1						
5120-00-526-6044	BAR, PINCH, 1/2 IN WIDE BLADE X 16 IN LG (19204) 5266044	D	M	EA	1						
7510-00-738-9932	BINDER, LOOSELEAF, TECHNICAL MANUALS (19207) 10952007	X	U	EA	1						
7510-00-889-3494	BINDER, EQUIPMENT LOG BOOK (19207) 1167703	X	U	EA	1						
3940-00-630-9932	BLOCK, SNATCH, 3/4 IN WIRE ROPE (19207) 8337021	X	U	EA	1						
5306-00-017-6143	BOLT, EYE (96906) MS51937-7	X	U	EA	1						
1025-00-239-9639	BRUSH ASSY, BORE 165MM GUN (19207) 8769220	X	U	EA	1						
4010-00-202-2425	CABLE, TOWING (19207) 7360553	X	U	EA	2						
5340-00-076-8996	CAP, PLUG, DUST AND MOISTURE SEAL (19207) 10934267	X	U	EA	1						
1015-01-014-4703	CAP, TELESCOPE (19207) 11655683	X	U	EA	1						
5140-00-261-4994	CARRIER, WIRE CUTTER (19207) 11655787	D	M	EA	1						
4010-00-041-7076	CHAIN ASSY, SINGLE LEG W/HOOK AND RING (19207) 12253104-8	X	U	EA	2						
4010-00-133-6517	CHAIN ASSY, V-TYPE, LIFTING (19207) 10929894	X	U	EA	1						
<p>* WHEN USED AS A</p> <p>HAND RECEIPT, enter Hand Receipt Annex Number</p> <p>HAND RECEIPT FOR QUARTERS FURNITURE, enter Condition Codes</p> <p>HAND RECEIPT ANNEX/COMPONENTS RECEIPT, enter Accounting Requirements Code (ARC)</p>											

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STOCK NUMBER a.	ITEM DESCRIPTION b.	* c.	SEC d.	U e.	QTY AUTH f.	QUANTITY g.					
						A	B	C	D	E	F
	BII - CONTINUED										
4730-00-908-6293	CLAMP HOSE (96906) MS35842-15	X	U	EA	1						
4730-00-908-6294	CLAMP HOSE (96906) MS35842-16	X	U	EA	1						
6230-00-378-2053	CORD, LIGHT, ELECTRICAL (19207) 17C35079-33	X	U	EA	1						
1005-00-779-6026	COVER ASSY, M85 MACHINE GUN (19207) 10870713	X	U	EA	1						
1025-00-557-6513	COVER, BORE BRUSH (19207) 5576513	X	U	EA	1						
1015-01-014-4704	COVER, FITTED, M240 MACHINE GUN (19207) 11655682	X	U	EA	1						
5120-00-224-1390	CROWBAR, PINCH POINT, 1-1/4 IN POINT X 60 IN LG (19207) 11677049-1	D	M	EA	1						
5110-00-595-8229	CUTTER, BARBED WIRE INSULATED HANDLES (19027) 11655981	D	M	EA	1						
2590-00-996-0713	DIAGRAM, STRAP LOCATION (19207) 10905447	X	U	EA	1						
4930-00-288-1511	EXTENSION, GREASE GUN (19207) 6300333	X	U	EA	1						
5120-00-243-7326	EXTENSION, SOCKET WRENCH 1/2 IN DR X 5 IN LG (95683) 41B306	X	M	EA	1						
5120-00-227-8074	EXTENSION, SOCKET WRENCH 1/2 IN DR X 10 IN LG (19207) 11655788-1	X	M	EA	1						
5120-00-273-9208	EXTENSION, SOCKET WRENCH 3/4 IN DR X 4-5/8 IN LG (55719) L32	X	M	EA	1						
5120-00-243-7328	EXTENSION, SOCKET WRENCH 3/4 IN DR X 8 IN LG (19207) 41B309-20	X	M	EA	1						
5120-00-227-8079	EXTENSION, SOCKET WRENCH 3/4 IN DR X 16 IN LG (55719) L122	D	M	EA	1						
4210-00-555-8837	EXTINGUISHER, FIRE, 2/3/4LB, CF3 BR W/BACKET (19207) 10916537	N	J	EA	1						
5120-01-016-2149	FIXTURE, TRACK CONNECTING, POWER (19207) 12252120	X	U	EA	2						
6230-00-264-8261	FLASHLIGHT, MX-991/U (21108) MX991/U	X	M	EA	3						
7240-00-527-9868	FUNNEL, METAL, W/STRAINER, 1QT CAPACITY (81348) RRF800T1CBS2	X	U	EA	1						
4930-01-133-7143	GREASE GUN, HAND LEVER OPERATED, 21OZ CAPACITY (36251) 1035	X	J	EA	1						

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<b>HAND RECEIPT/ANNEX NUMBER</b> 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 2350-00-795-1797	END ITEM DESCRIPTION Vehicle Combat Engineer, M728	PUBLICATION NUMBER TM 9-2350-222-10-3			PUBLICATION DATE	QUANTITY				
STOCK NUMBER a.	ITEM DESCRIPTION b.	*	SEC	UI	QTY AUTH f.	QUANTITY g.					
						A	B	C	D	E	F
	BT -CONTINUED										
4930-00-695-0370	GUN ASSY, LUBE OIL (19207) 86899550	X	U	EA	1						
5120-00-900-6097	HAMMER, ENGINEER, FIBERGLASS HANDLE, 10LB (8134B) GGGH86T10C1SB	D	M	EA	1						
5120-00-243-2957	HAMMER, ENGINEER, HICKORY HANDLE, 10LB (79416) 75H	D	M	ALT	1						
5120-00-061-8546	HAMMER, MACHINIST, FIBERGLASS HANDLE, 2LB (19207) 11677028-3	D	M	EA	1						
5120-00-473-6320	HANDLE, EXTENSION, WRENCH 1-1/8 IN ID X 36 IN LG (80064) 1756412	D	M	EA	1						
5120-00-288-6574	HANDLE, MATTOCK-PICK, 36 IN LG (19207) 11677021	X	M	EA	1						
5120-00-236-7590	HANDLE, SOCKET WRENCH, HINGED 1/2 IN DR X 14 IN LG (19207) 11655786-1	X	M	EA	1						
5120-00-221-7959	HANDLE, SOCKET WRENCH, HINGED 3/4 IN DR X 23 IN (45225) H377	D	M	EA	1						
5120-00-230-6385	HANDLE, SOCKET WRENCH, RATCHET 1/2 IN DR X 9 IN LG (99993) H41H1505-9	X	M	EA	1						
5120-00-249-1076	HANDLE, SOCKET WRENCH, RACHET 3/4 IN DR X 17 IN LG (55719) L72SH	D	M	EA	1						
5120-00-709-4072	HANDLE, SOCKET WRENCH, SL TEE 3/4 IN DR X 18 IN LG (81348) GGGW641T3C4SA	D	M	EA	1						
3950-00-092-9064	HOIST, CHAIN, 1/2 TON 4FT LIFT, LEVER OPERATED (18740) PM10	N	J	EA	1						
5120-00-240-5292	KEY, SOCKET HEAD SCREW, L-TYPE, SHORT 1/8 IN (55719) AW4	X	M	EA	1						
5120-00-889-2163	KEY, SOCKET HEAD SCREW, L-TYPE, SHORT 9/64 IN (55719) 4-1-2	X	M	EA	1						
<p>* WHEN USED AS A:</p> <p>HAND RECEIPT, enter Hand Receipt Annex Number</p> <p>HAND RECEIPT FOR QUARTERS FURNITURE, enter Condition Codes</p> <p>HAND RECEIPT ANNEX/COMPONENTS RECEIPT, enter Accounting Requirements Code (ARC).</p>											

PAGE 8 OF 16 PAGES

STOCK NUMBER a.	ITEM DESCRIPTION b.	★ c.	SEC d.	UI e.	QTY AUTH f.	g. QUANTITY					
						A	B	C	D	E	F
	BII - Continued										
5120-00-198-5392	KEY, SOCKET HEAD SCREW, L-TYPE, SHORT 5/32 (80064) 1940719	X	M	EA	1						
5120-00-240-5300	KEY, SOCKET HEAD SCREW, L-TYPE, SHORT 3/16 IN (56232) 191315	X	M	EA	1						
5120-00-242-7411	KEY, SOCKET HEAD SCREW, L-TYPE, SHORT 7/32 IN (80064) 1940719	X	M	EA	1						
5120-00-224-4659	KEY, SOCKET HEAD SCREW, L-TYPE, SHORT 1/4 IN (80064) 1940720	X	M	EA	1						
5120-00-240-5274	KEY, SOCKET HEAD SCREW, L-TYPE, SHORT 5/16 IN (80064) 1940721	X	M	EA	1						
5120-00-198-5390	KEY, SOCKET HEAD SCREW, L-TYPE, SHORT 3/8 IN (80064) 1940722	X	M	EA	1						
5120-00-224-2510	KEY, SOCKET HEAD SCREW, L-TYPE, SHORT 5/8 IN (80064) 1940710	X	M	EA	1						
6545-00-922-1200	KIT, FIRST AID (89875) 11677011	D	U	EA	2						
5310-00-159-6209	LOCKWASHER (FOR DEFLECTION PLATE MOUNTING (96906)	X	U	EA	2						
5120-00-243-2395	MATTOCK-PICK, 5LB HEAD, W/O HANDLE (19207) 1167022	D	M	EA	1						
8415-00-266-8843	MITTENS, ASBESTOS, M1942 (19207) 11655982	N	U	EA	1						
4930-00-262-8868	OILER, HAND PUMP, FLEXIBLE SPOUT (72798) 328	X	U	EA	1						
5340-00-158-3805	PADLOCK, INDIVIDUAL (81349) MILP17802TAC1	X	J	EA	5						
5340-00-158-3807	PADLOCK, INDIVIDUAL W/CLEVIS (81349) MILP17802TAC1	X	J	EA	5						
1005-00-863-7797	PLATE, DEFLECTION (M85 MACHINE GUN) (19207) 10905244	X	U	EA	1						
9905-00-624-3415	PLATE, INSTRUCTION (RANGE CARD) (19207) (8724207)	X	U	EA	1						
5120-00-278-0352	PLIERS, SLIP JOINT, ANGLE NOSE, MULTI- TONGUE AND GROOVE, 10 IN LG (71612) 420	X	U	EA	1						
5120-00-278-0350	PLIERS, SLIP JOINT, ANGLE NOSE, MULTI- TONGUE AND GROOVE, 5 IN LG (80244) GGGP471T2C1SA	X	U	EA	1						
1025-00-299-0785	PLUG MUZZLE 165MM (19207) 8769215	X	U	EA	1						

Reverse of DA FORM 2062  
JAN 62

CURRENT AS OF 16 MAR 89

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CHANGE 1 2-9

TM 9-2350-222-10-HR

<b>HAND RECEIPT/ ANNEX NUMBER</b> <i>For use of this form, see DA PAM 710-2-1. The proponent agency is ODCSLOG.</i>		<b>FROM:</b>		<b>TO:</b>		<b>HAND RECEIPT NUMBER</b>					
<b>FOR ANNEX/CR ONLY</b>	<b>END ITEM STOCK NUMBER</b> See front of first DA Form 2062	<b>END ITEM DESCRIPTION</b> See front of first DA Form 2062	<b>PUBLICATION NUMBER</b> TM 9-2350-222-10-3		<b>PUBLICATION DATE</b>	<b>QUANTITY</b>					
<b>STOCK NUMBER</b> a.	<b>ITEM DESCRIPTION</b> b.	<b>*</b> c.	<b>SEC</b> d.	<b>UI</b> e.	<b>QTY AUTH</b> f.	<b>g. QUANTITY</b> A B C D E F					
BII - CONTINUED											
8465-00705-2438	POCKET AMMUNITION MAGAZINE (M3A1) (81349) MILP43312	N	U	EA	2						
5120-01-040-9318	PULLER, MECHANICAL, TRACK END LINK (19207) 12252143	D	U	EA	1						
4933-00-796-4537	ROLL ASSY, GUN TOOLS AND EQUIPMENT (19207) 7964537	X	U	EA	1						
5303-00-983-6664	SCREW, CAP, 3/16 IN SOCKET HEAD (FOR M85 MG) (96906) MS16998-47	X	U	EA	2						
5120-00-234-8913	SCREWDRIVER, CROSS TIP, PHILLIPS NO. 2., 4 IN BLADE (55719) RGP42	X	M	EA	1						
5120-00-224-7375	SCREWDRIVER, CROSS TIP, PHILLIPS NO. 4, 8 IN BLADE (55719) RGP84	X	M	EA	1						
5120-00-596-8502	SCREWDRIVER, FLAT TIP, CLOSE QUARTER, 1-1/2 IN BLADE (55719) SSDI	X	M	EA	1						
5120-00-227-7338	SCREWDRIVER, FLAT TIP, EXTRA HEAVY DUTY 5 IN BLADE (77948) D339	X	M	EA	1						
5120-00-234-8910	SCREWDRIVER, FLAT TIP, GENERAL PURPOSE 6 IN BLADE (72368) 2143-6	X	M	EA	1						
2540-00-318-0326	SHACKLE, ANCHOR 1/8 IN D (19207) 7357967	X	U	EA	1						
1025-00-127-2976	SHIM SET, OBTURATOR (19206) 11578242	X	U	EA	1						
5365-00-951-4449	SHIM SET, OBTURATOR, PRELIMINARY (19206) 11577273	X	U	EA	1						
5120-00-293-3336	SHOVEL, ROUND POINT, D-HANDLE, SHORT (19207) 11655784	D	M	EA	1						
4933-00-299-0787	SIGHT, BREECH BORE (19206) 8769218	X	U	EA	1						
5120-00-237-0982	SOCKET, SOCKET WRENCH 12PT 1/2 IN DR X 3/8 IN (55719) SW120	X	M	EA	1						
<p><b>* WHEN USED AS A:</b>          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).</p>											

STOCK NUMBER a.	ITEM DESCRIPTION b.	★ c.	SEC d.	UI e.	QTY AUTH f.	g. QUANTITY					
						A	B	C	D	E	F
	BII - Continued										
5120-00-189-7924	SOCKET, SOCKET WRENCH 12PT 1/2 IN DR X 7/16 IN (65814) ST1214	X	M	EA	1						
5120-00-237-0984	SOCKET, SOCKET WRENCH 12PT 1/2 IN DR X 1/2 IN (55719) SW161	X	M	EA	1						
5120-00-189-7932	SOCKET, SOCKET WRENCH 12PT 1/2 IN DR X 9/16 IN (19207) 11677025-1	X	M	EA	1						
5120-00-189-7946	SOCKET, SOCKET WRENCH 12PT 1/2 IN DR X 5/8 IN (19207) 11677025-2	X	M	EA	1						
5120-00-235-5870	SOCKET, SOCKET WRENCH 12PT 1/2 IN DR X 11/16 IN (19207) 11677025-3	X	M	EA	1						
5120-00-189-7985	SOCKET, SOCKET WRENCH 12PT 1/2 IN DR S 3/4 IN (19207) 11677025-4	X	M	EA	1						
5120-00-189-7933	SOCKET, SOCKET WRENCH 12PT 1/2 IN DR X 13/16 IN (65814) ST 1226	X	M	EA	1						
5120-00-189-7934	SOCKET, SOCKET WRENCH 12PT 1/2 IN DR X 7/8 IN (19207) 11677025-5	X	M	EA	1						
5120-00-181-6813	SOCKET, SOCKET WRENCH 12PT 3/4 IN DR X 15/16 IN (24789) 1230	X	M	EA	1						
5120-00-239-0021	SOCKET, SOCKET WRENCH 12PT IN DR X 1-1/8 IN (47805) 5536	X	M	EA	1						
5121-00-235-5871	SOCKET, SOCKET WRENCH 12PT 3/4 IN DR X 1-1/4 IN (47805) 5540	X	M	EA	1						
5120-00-232-5681	SOCKET, SOCKET WRENCH 12PT 3/4 IN DR X 1-5/16 IN (24789) 1242	X	M	EA	1						
5120-00-293-0094	SOCKET, SOCKET WRENCH 12PT 3/4 IN DR X1-1/2 IN (47805) 5548	X	M	EA	1						
5130-00-293-1411	SOCKET, IMPACT WRENCH 3/4 IN DR X 15/16 IN (19207) 11669752	X	M	EA	1						
5130-00-227-6681	SOCKET, IMPACT WRENCH 6PT 3/4 IN DR X 1-1/8 IN (1348) GGGW641T2C1SA	X	M	EA	1						
5130-00-227-6684	SOCKET, IMPACT WRENCH 6PT 3/4 IN DR X 1-5/16 (81348) GGGW660T1C1SA	D	M	EA	1						
1025-00-563-7232	STAFF SECTION, CLEANING (H2229) XX002-8593	X	U	EA	3						
8340-00-841-6456	TARPAULIN, COTTON DUCK, W/GROMMENTS, 12 X 17 FT (81348) KP146T2C1	N	U	EA	1						
1025-00-907-6957	TESTER, FIRING CIRCUIT (19206) 11576610	X	U	EA	1						
5120-00-240-5328	WRENCH, ADJUSTABLE, OPEN END 8 IN (81348) GGGW631T1C1S12	X	M	EA	1						

Reverse of DA FORM 2062  
JAN 82

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TM 9-2350-222-10-HR

CHANGE 1 2-11

EDITION OF JAN 88 IS OBSOLETE.  
CURRENT AS OF 18 MAR 89



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	END ITEM DESCRIPTION	PUBLICATION NUMBER		PUBLICATION DATE	QUANTITY
	2350-00-795-1797	Vehicle, Combat Engineer, M728	TM 9-2350-222-10-3			
STOCK NUMBER a.	ITEM DESCRIPTION b.	* c.	SEC d.	UI e.	QTY AUTH f.	g. QUANTITY A B C D E F
	ADDITIONAL AUTHORIZATION LIST (AAL)					
5820-00-494-6649	ACCESSORY KIT, MK-1274/V (80063) PPL4402	N	U	EA	1	
1240-00-530-0974	BINOCULAR M17A1, W/EQUIP, (81349) 6702518	N	U	EA	1	
1240-00-300-6547	BINOCULAR, M17A1 (19200) 7597723	(.)	(.)	EA	1	
1240-00-679-4281	CASE, CARRYING, M63A1 (19200) 7694281	X	U	EA	1	
1240-00-769-1956	FILTER, M1 (19200) 7691956	X	U	EA	1	
1240-00-764-6236	STRAP ASSY, NECK (19200) 7646236	X	U	EA	1	
6650-00-863-5657	BINOCULAR, IR M18 W/EQUIP (19200) 8270115	N	J	EA	1	
6650-00-877-0091	BINOCULAR, M18 (19200) 10514360	(.)	(.)	EA	1	
1240-00-077-1688	POWER SUPPLY (19200) 10516158	X	U	EA	1	
6650-00-850-3312	CARRYING CASE (19200) 10514520	X	U	EA	1	
1240-00-930-3833	BINOCULAR, M19, W/EQUIP (19200) 10547052	N	J	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 9-2350-222-10-HR

STOCK NUMBER a.	ITEM DESCRIPTION b.	* c.	SEC d.	U e.	QTY AUTH f.	QUANTITY g.					
						A	B	C	D	E	F
	AAL - CONTINUED BINOCULAR, M19 (19200) 10547050	(.)	(.)	EA	1						
1240-00-930-3837	CASE, CARRYING (19200) 10547051	X	U	EA	1						
1240-00-253-5893	STRAP, NECK (19200) 10547115	X	U	EA	1						
1240-00-253-5892	STRAP, CARRYING CASE (19200) 10547115	X	U	EA	1						
6145-00-226-8812	CABLE, TELEPHONE, WD-1/TT ON DR-8 (81349) MILC13294	N	U	EA	3						
7240-00-089-3827	CABLE, TELEPHONE, WD-1/TT ON DR-8 (81349) MILC43613	X	U	EA	2						
7240-00-242-6153	CAN, WATER, MILITARY, STEEL, 5GAL (81349) MILC13984T1	X	U	EA	2						
4930-00-294-5110	DISPENSING PUMP, HAND, ROTARY (10GPM) (81348) XXD385T1	N	U	EA	1						
8345-00-375-0223	FLAG SET, M238 (81349) MILF40045	X	U	EA	1						
8345-00-178-8347	CASE, CARRYING, C590	X	U	EA	1						
8345-00-227-1511	FLAG, MC273 (RED)	X	U	EA	1						
8345-00-227-1405	FLAG, MC274 (YELLOW)	X	U	EA	1						
8345-00-227-1406	FLAG, MC275 (GREEN)	X	U	EA	1						
8345-00-242-3650	FLAG, STAFF, MC270	X	U	EA	3						
5855-00-114-4953	INSTALLATION KIT, SEARCHLIGHT (AN/VSS-3A) SCD647180	X	U	EA	1						
1005-01-025-8095	MACHINE GUN, 7.62MM, M240 (19200) 11826290	N	2	EA	1						
1005-00-679-6763	MACHINE GUN, 7.62MM, M73 (91200) 7793500	N	2	EA	1						
1005-00-690-2790	MACHINE GUN, CAL.50, M85 (19204) 12002938	N	2	EA	1						
8345-00-174-6865	PANEL, MARKER, AERIAL LIASON, VS-17/GVX (81349) MILP40061	X	U	EA	2						
4930-00-294-5110	PUMP, HAND DISPENSING, ROTARY (10GPM)	X	U	EA	1						

<b>HAND RECEIPT/ANNEX NUMBER</b> 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 2350-00-795-1797	END ITEM DESCRIPTION Vehicle Combat Engineer, M728	PUBLICATION NUMBER TM 9-2350-222-10-3		PUBLICATION DATE	QUANTITY					
STOCK NUMBER a.	ITEM DESCRIPTION b.	* c.	SEC d.	UI e.	QTY AUTH f.	QUANTITY g. A B C D E F					
	AAL - CONTINUED										
1290-00-891-9999	QUADRANT, GUNNERS, M1A1 W/CASE (19200) 7197150	(.)	(.)	EA	1						
4931-00-910-3678	QUADRANT, M1A1 (19200) 8228867	N	U	EA	1						
1290-00-769-2958	CASE, CARRYING, M82 (19200) 7692958	X	U	EA	1						
6665-00-752-7759	RADIACMETER, IM-93A/VD (81349) MILR13029	N	U	EA	1						
6665-00-856-8037	RADIACMETER, IM-174/PD (81349) MILR13029	N	U	EA	1						
5820-00-223-7433	RADIO SET, AN/VRC-46 (80063) PPL4319	N	U	EA	1						
5820-00-223-7467	RADIO SET, AN/VRC-53 (80063) PPL4323	N	U	EA	1						
5820-00-223-7475	RADIO SET, AN/VRC-64 (80063) PPL4324	N	U	EA	1						
5855-00-405-0404	SEARCHLIGHT, XENON, AN/VSS-3A (80063) SCD647250-1	N	U	EA	1						
7240-00-177-6154	SPOUT, FLEXIBLE, 5GAL CAN (81349) MILS1285	X	U	EA	1						
7310-00-285-6155	STOVE, COOKING, GASOLINE, W/CASE (81349) MILS10736-1	N	U	EA	1						
	STOVE, GASOLINE, M1950 (81349) MILS10736-2	(.)	(.)	EA	1						
	CASE, STOVE (81349) MILS10736-3	(.)	(.)	EA	1						
1005-00-672-1771	SUBMACHINE GUN, CAL.45, M3A1 (19205) 6721771	N	2	EA	2						
5805-00-521-1320	TELEPHONE SET, TA-1/PT (80063) SMC168900	X	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 9-2350-222-10-HR

2-15



By Order of the Seceretary of the Army

JOHN A. WICKHAM, JR.  
General, United States Army  
Chief of Staff

Official:

R.L. DILWORTH  
Brigadier General, United States Army  
The Adjutant General

Distribution:

to be distributed in accordance with DA Form 12-37, Operator  
Maintenance Requirements for Vehicle, Combat Engineer, Full Tracked,  
M728.

U.S. GOVERNMENT PRINTING OFFICE : 1994 0 - 161-582

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DOPE ABOUT IT ON THIS  
FORM. CAREFULLY TEAR IT  
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FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER

TM 9-2350-222-10-HR

PUBLICATION DATE

PUBLICATION TITLE HAND RECEIPT VEHICLE,  
COMBAT ENGINEER FULL-TRACKED, M728

BE EXACT. PIN-POINT WHERE IT IS

PAGE  
NO

18

PARA-  
GRAPHFIGURE  
NOTABLE  
NOIN THIS SPACE TELL WHAT IS WRONG  
AND WHAT SHOULD BE DONE ABOUT IT:

LINE 7, Change 5130-00-420-7438 to read 4730-00-532-8941.

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PUBLICATION DATE

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HAND RECEIPT VEHICLE, COMBAT  
ENGINEER FULL-TRACKED, M728

BE EXACT. PIN-POINT WHERE IT IS

PAGE  
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GRAPH

FIGURE  
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TABLE  
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Warren, Michigan 48397-5000

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FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

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PUBLICATION NUMBER

TM 9-2350-222-10-HR

PUBLICATION DATE

PUBLICATION TITLE

HAND RECEIPT VEHICLE, COMBAT  
ENGINEER FULL-TRACKED, M728

BE EXACT... PIN-POINT WHERE IT IS

PAGE  
NO

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GRAPH

FIGURE  
NO

TABLE  
NO

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PUBLICATION NUMBER

TM 9-2350-222-10-HR

PUBLICATION DATE

PUBLICATION TITLE

HAND RECEIPT VEHICLE, COMBAT  
ENGINEER FULL-TRACKED. M728

BE EXACT... PIN-POINT WHERE IT IS

PAGE  
NO

PARA-  
GRAPH

FIGURE  
NO.

TABLE  
NO

IN THIS SPACE TELL WHAT IS WRONG  
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TEAR ALONG PERFORATED LINE

## THE METRIC SYSTEM AND EQUIVALENTS

### LINEAR 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

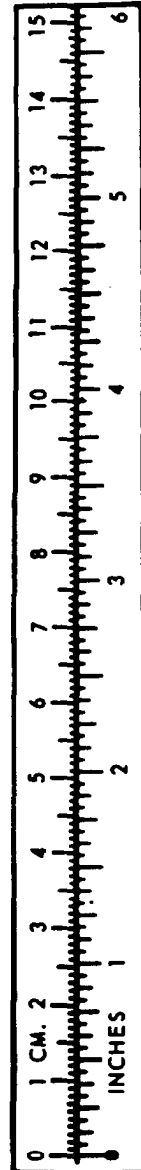
### TEMPERATURE

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

### APPROXIMATE CONVERSION FACTORS

<u>TO CHANGE</u>	<u>TO</u>	<u>MULTIPLY BY</u>
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
Pints . . . . .	Liters . . . . .	0.473
Quarts . . . . .	Liters . . . . .	0.946
Gallons . . . . .	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

<u>TO CHANGE</u>	<u>TO</u>	<u>MULTIPLY BY</u>
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
Liters . . . . .	Gallons . . . . .	0.264
Grams . . . . .	Ounces . . . . .	0.035
Kilograms . . . . .	Pounds . . . . .	2.205
Metric Tons . . . . .	Short Tons . . . . .	1.102
Newton-Meters . . . . .	Pound-Feet . . . . .	0.738
Kilopascals . . . . .	Pounds per Square Inch . . . . .	0.145
Kilometers per Liter . . . . .	Miles per Gallon . . . . .	2.354
Kilometers per Hour . . . . .	Miles per Hour . . . . .	0.621



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