

## **HAND RECEIPT**

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

**FOR**

**DRUMS, FABRIC, COLLAPSIBLE,  
NON-VENTED;**

**500 GALLON, LIQUID FUEL,  
(B. F. GOODRICH RUBBER CO.,  
MODEL 4C-135-03562)**

**(NSN 8110-00-753-4892);**

**500 GALLON, LIQUID FUEL,  
(UNITED STATES RUBBER CO.,  
MODEL 5-14-191-1)**

**(NSN 8110-00-824-1444);**

**KIT, TIEDOWN**

**(NSN 8110-00-856-6245)**

**REPAIR KIT, EMERGENCY, TYPE I**

**(NSN 8110-00-856-6244)**

**REPAIR KIT, EMERGENCY, TYPE II**

**(NSN 8110-00-856-6246)**

**TOWING AND LIFTING YOKE**

**(NSN 8110-00-856-6243)**

\*This manual supersedes TM 10-8110-201-10-HR, 22 April, 1991

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited

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**HEADQUARTERS, DEPARTMENT OF THE ARMY**

**31 OCTOBER 1994**



HAND RECEIPT

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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 directly to: Commander, U.S. Army Aviation and Troop command, ATTN: AMSAT-I-MP, 4300 Goodfellow Blvd., St. Louis, Missouri 63120-1798. A reply will be furnished to you.

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\*This manual supersedes TM 10-8110-201-10-HR, 22 April 1991.



## Section I. INTRODUCTION

1. SCOPE. This publication provides an overprinted DA Form 2062 (Hand Receipt) which lists the contents of Components of End Item (COED, Basic Issue Items (BII), and Additional Authorization List (AAL) items related to the Fabric, Collapsible, Non-Vented Drums (500 Gallon, Liquid Fuel), Tiedown Kit, Repair Kits (Type I and II and the Towing and Lifting Yoke).

2. GENERAL.

a. Section II is the overprinted DA Form 2062 which lists the line item entry for system/end item and the content of COEI, BII, and AAL extracted from TM 10-8110-201-14&P. The listings consist of exactly the same items and are in the same sequence as those listings in TM 10-8110-201-14&P.

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 will 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 may be requisitioned from the U.S. Army Publications Distribution Center, 2800 Eastern Boulevard, Baltimore, MD 21220-2896, in accordance with Chapter 12, AR 25-30.

3. EXPLANATION OF BLOCKS AND COLUMNS (DA FORM 2062). Refer to DA Pam 7102-1, Chapter 6, for additional information required to complete DA Form 2062.

a. FROM. Enter the organization, unit, section or squad which issues the property.

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 technical manual.

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 Commercial and Government Entity Code (CAGEC) and part number with exception data in accordance with AR 710-2.

j. ITEM DESCRIPTION (column b). Enter a description of the end item, to include the make or model, and the serial/USA number, followed by item description of COEI, BII, and AAL items. In addition, it will contain the 5-digit Commercial and Government Entity Code (CAGEC), Part Number (P/N), and "Used On Code," if applicable.

k. \*(column c). The Accounting Requirements Code (ARC) is provided here. One of the following ARC's will apply:

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).

- N - Nonexpendable                      Items not consumed in use, retaining their identity during use, and requiring that accountability be maintained throughout the life of the item.
  
- D - Durable:                                Nonconsumable components of sets, kits, outfits, and assemblages; all tools in FSC's 5110, 5120, 5130, 5133, 5136, 5140, 5180, 5210, 5220, and 5280 and any other nonconsumable with a price in excess of \$50.00 not already "N".
  
- X - 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".

1. SEC (column d). The Controlled Inventory Item Code (formerly SEC code) is entered here. This is a one-position code which indicates the security classification, security risks, or pilferage controls required for storage or transportation of assets. Order of precedence for assignment of codes is classified, sensitive, pilferable, unclassified, as applicable. Codes applicable to this hand receipt are as follows:

SEC CODE	CONTROLLED INVENTORY ITEM CODE
U	UNCLASSIFIED PILFERABLE ITEMS
M	Handtools and shop equipment
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 recording 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.

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. P A G E \_ O F \_ P A G E S. 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. AUTHORIZATION DOCUMENTS.

a. Components of End Item (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 appropriate MTOE, TDA, CTA or JTA authorization documents.

5. SPECIAL INFORMATION. Items coded (.) indicate information is not available.





Section II. HAND RECEIPT

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 8110-00-753-4892	END ITEM DESCRIPTION DRUM, FABRIC COLLAPSIBLE NON-VENTED 500 GALLON, LIQUID FUEL	PUBLICATION NUMBER TM 10-8110-201-10-HR		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
	COMPONENTS OF END ITEM (COEI)										
4930-00-973-2589	VALVE ASSEMBLY, COUPLER			EA	1						
4720-00-014-8286	HOSE ASSEMBLY			EA	1						
	BASIC ISSUE ITEMS (BII)										
	MANUAL, OPERATOR'S, ORGANIZATIONAL, DIRECT			EA	1						
	SUPPORT AND GENERAL SUPPORT MAINTENANCE										
	MANUAL (INCLUDING REPAIR PARTS AND SPECIAL										
	TOOLS LIST) TM 10-8110-201-14&P										
	ADDITIONAL AUTHORIZED LIST (AAL)										
8110-00-856-6243	YOKE, TOWING AND LIFTING			EA	1						
8110-00-856-6245	KIT, TIEDOWN, (97403) 5-14-673			EA	1						
8110-00-856-6244	REPAIR KIT, EMERGENCY, TYPE I, (81349) X-3063			EA	1						
8110-00-856-6246	REPAIR KIT, EMERGENCY, TYPE II, (81349) X-3067			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).											

STOCK NUMBER a.	ITEM DESCRIPTION b.	• c.	SEC d.	UI e.	QTY AUTH f.	g. QUANTITY					
						A	B	C	D	E	F

<b>HAND RECEIPT/ANNEX NUMBER</b> <i>For use of this form, see DA PAM 710-2-1. The <b>proponent</b> agency is ODCSLOG.</i>		FROM:	T O:	HAND RECEIPT NUMBER							
FOR ANNEX/CR ONLY	END ITEM STOCK NUMBER <b>8110-00-824-1444</b>	END ITEM DESCRIPTION DRUM, FABRIC COLLAPSIBLE NON-VENTED <b>500 GALLON, LIQUID FUEL</b>	PUBLICATION NUMBER TM <b>10-8110-201-10-HR</b>		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>	<i>g.</i> QUANTITY					
						A	B	C	D	E	F
	COMPONENTS OF END ITEM (COEI)										
<b>4930-W-973-2589</b>	VALVEASSEMBLY, COUPLER			EA	1						
4720-00-014-8286	HOSEASSEMBLY			EA	1						
	BASIC ISSUE ITEMS (BI)										
	MANUAL, OPERATORS. ORGANIZATIONAL. DIRECT			EA	1						
	SUPPORT AND <b>GENERAL</b> SUPPORT MAINTENANCE										
	MANUAL (INCLUDING <b>REPAIR</b> PARTS AND SPECIAL										
	TOOLS LIST) TM <b>10-8110-201-14&amp;P</b>										
	ADDITIONAL AUTHORIZED LIST (AAL)										
8110-00-8566243	YOKE, TOWING AND LIFTING										
8110-00-856-6245	<b>KIT, TIEDOWN</b> , (97403) 5-14-673			EA	1						
8110-00-8566244	<b>REPAIR KIT</b> , EMERGENCY, TYPE I, (81349) X-3063			EA	1						
8110-00-856-6246	REPAIR KIT. EMERGENCY, TYPE II, (81349) X-3067			EA	1						
<p>* 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 <b>Requirements</b> Code (ARC).</p>											
										PAGE <u>3</u> OF <u>12</u> PAGES.	

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JAN 82

EDITION OF JAN 58 IS OBSOLETE.

TM 10-8110-201-10-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> 8110-00-856-6245	<b>END ITEM DESCRIPTION</b> KIT, TIEDOWN-(97403) 5-14-673		<b>PUBLICATION NUMBER</b> TM 10-8110-201-10-HR		<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>Q-W AUTH</b> f.	<b>g. QUANTITY</b>					
								<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
		<b>colt@oNENTs OF END ITEM (COEI)</b>											
8110-01-197-5945		CHAIN ASSEMBLY, FRONT (97403) 13226332256					<b>ExA2</b>						
8110-00-937-3882		CHAIN ASSEMBLY, INTERMEDIATE (97403) 1322632257					EA 4						
4010-01-174-4056		CHAIN ASSEMBLY, REAR (97403) 13226E2258					EA 2						
8110-01-180-7587		BINDER, LOAD (97403) 13226E2255-4					EA 2						
		FhKKJ3T. REAR (97403) 13226132253					EA 2						
		BASIC ISSUE ITEMS (BII)											
		MANUAL, OPERATORS. ORGANIZATIONAL, DIRECT											
		SUPPORT AND GENE&% SUPPORT MAINTENANCE											
		MANUAL (INCLUDING IWAIRPARTS AND SPECIAL											
		TOOLS LIST) TM 10-8110-201-14&P					EA 1						
<p>* 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).</p>													



<b>HAND RECEIPT/ANNEX NUMBER</b> <i>For use of this form, see DA PAM 710-2-1. The proponent agency is ODCSLOG.</i>		FROM:	T O:	HAND RECEIPT NUMBER							
FOR <b>ANNEX/CR</b> ONLY	END ITEM STOCK NUMBER <b>8110-00-856-6244</b>	END ITEM DESCRIPTION REPAIR <b>KIT</b> , EMERGENCY, TYPE I. (81349) X-3063	PUBLICATION NUMBER <b>TM 10-8110-201-10-HR</b>		PUBLICATION DATE		QUANTITY				
STOCK NUMBER <i>a.</i>	ITEM DESCRIPTION <i>b.</i>		SEC <i>c.</i>	UI <i>e.</i>	QTY AUTH <i>f.</i>	<i>g.</i> QUANTITY					
						A	B	C	D	E	F
	COMPONENTS OF END ITEM (COEI)										
5430-01-114-5392	POUCH, <b>REPAIR KIT</b>				EA	1					
7610-01-122-3771	SHEET, TECHNICAL				EA	1					
8110-01-120-7824	HOOD, FLEXIBLE				EA	1					
5430-01-114-4597	ROTARY <b>CUTTER</b> , WRENCH				EA	1					
<b>5510-01-115-0893</b>	PLUG, WOOD, 0.625 IN				EA	3					
5430-01-114-4598	PATCH ASSEMBLY. <b>MECH</b> , 3/4 IN				EA	6					
<b>5120-01-119-4173</b>	<b>PLIERS</b> , DIAGONAL CUT (19207) 11655790				EA	1					
	BASIC ISSUE ITEMS (BI)										
	MANUAL, OPERATOR'S, ORGANIZATIONAL, DIRECT										
	SUPPORT AND GENERAL <b>SUPPORT MAINTENANCE</b>		I	I							
	MANUAL (INCLUDING REPAIR PARTS AND SPECIAL										
	TOOLS LIST) <b>TM 10-8110-201-14&amp;P</b>				EA	1					
. WHEN USED AS A: HAND RECEIPT, enter Hand Receipt Annex Number HAND RECEIPT FOR QUARTERS FURNITURE, enter Condition <b>Codes</b> HAND RECEIPT ANNEX/COMPONENTS RECEIPT, enter Accounting <b>Requirements</b> Code (ARC).											
						P A G E 7 OF 12 PAGES.					

STOCK NUMBER a.	ITEM DESCRIPTION b.	• c.	SEC d.	UI e.	QTY AUTH f.	g. QUANTITY					
						A	B	C	D	E	F



HAND RECEIPT/ANNEX NUMBER <i>For use of this form, see DA PAM 710-2-I. The proponent agency is ODCSLOG.</i>		FROM:	T O:	HAND RECEIPT NUMBER								
FOR ANNEX/CR ONLY	END ITEM STOCK NUMBER 8110-00-856-6246	END ITEM DESCRIPTION REPAIR KIT, EMERGENCY, TYPE II, (81349) X-3067	PUBLICATION NUMBER TM 10-8110-201-10-HR		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
COMPONENTS OF END ITEM (COEI)												
5430-01-248-1662	CONTAINER, REPAIR KIT				EA	1						
5430-01-123-3082	KNIFE AND SHEATH ASSEMBLY				EA	1						
5430-01-245-5983	PATCH ASSY, MECH, 2 IN				EA	2						
5340-00-720-8864	PATCH, MECHANICAL, FLEXIBLE, 3 IN				EA	2						
5340-00-720-8863	PATCH, MECHANICAL, FLEXIBLE, 5 IN				EA	2						
5340-00-720-8858	PATCH, MECHANICAL, FLEXIBLE, 7.50 IN				EA	2						
(81349) X-3059	PLUG, WOOD, 1-1/2 IN				EA	2						
5510-01-119-5995	PLUG, WOOD, 2 IN				EA	2						
7610-01-128-1852	SHEET, TECHNICAL				EA	1						
8110-01-120-7824	HOOD, FLEXIBLE				EA	1						
8110-00-856-6244	REPAIR KIT, EMERGENCY, TYPE I				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).

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JAN 82

EDITION OF JAN 58 IS OBSOLETE.

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)										
	MANUAL, OPERATOR'S, ORGANIZATIONAL, DIRECT										
	SUPPORT AND GENERAL SUPPORT MAINTENANCE										
	MANUAL (INCLUDING REPAIR PARTS AND SPECIAL										
	TOOLS LIST) TM 10-8110-201-14&P			EA	1						

<b>HAND RECEIPT/ANNEX NUMBER</b> <i>For use of this form, see DA PAM 710-2-I. The proponent agency is ODCSLOG.</i>		FROM:	TO:	HAND RECEIPT NUMBER		
FOR ANNEX/CR ONLY	END ITEM STOCK NUMBER 8110-00-856-6243	END ITEM DESCRIPTION TOWING AND LIFTING YOKE	PUBLICATION NUMBER TM 10-8110-201-10-HR	PUBLICATION DATE	QUANTITY	
STOCK NUMBER a.	ITEM DESCRIPTION b.	SEC c.   d.	UI e.	QTY AUTH f.	g. QUANTITY	
					A	B
					C	D
					E	F
	COMPONENTS OF END ITEM (COEI)	I   I	1			
(97403) 13216E7992	LEG, CONNECTING		EA	2		
(97403) 13216E7993	LEG. UPPER		EA	2		
5315-01-105-7350	PIN, STRAIGHT		EA	2		
5305-00-723-9387	SETSCREW		EA	2		
(97403) 13216E7994	BRACE		EA	2		
5305-00-941-3579	SCREW, CAP, HEXAGON		EA	2		
5310-W-245-8826	NUT, SELF-LOCKING		EA	2		
5305-00-727-6804	SCREW, CAP, HEXAGON		EA	2		
5310-00-241-6667	NUT, SELF-LOCKING		EA	2		
4030-00-948-73 15	HOOK, CHAIN, 5		EA	2		
5315-01-258-6496	CLEVIS PIN ASSEMBLY		EA	2		

\* 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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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)										
	MANUAL, OPERATOR'S, ORGANIZATIONAL, DIRECT										
	SUPPORT AND GENERAL SUPPORT MAINTENANCE										
	MANUAL (INCLUDING REPAIR PARTS AND SPECIAL										
	TOOLS LIST) TM 10-8110-201-14&P			EA	1						



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)  
 CDR, 1st Br, 65th ADA  
 ATTN: SP4 J. Brown  
 Key West, FL 33040

DATE SENT  
 10 Jun 79

PUBLICATION NUMBER: TM 9-1430-550-34-1  
 PUBLICATION DATE: 7 Sep 72 .  
 PUBLICATION TITLE: Unit of Radar Set  
 AN/MPQ-50 Tested at the HFC

BE EXACT PIN-POINT WHERE IT IS				IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:
PAGE NO	PARA-GRAPH	FIGURE NO	TABLE NO	
9-19		9-5		"B" Ready Relay K11 is shown with two #9 contacts. That contact which is wired to pin 8 of relay K16 should be changed to contact #10.
21-2	step 1C	21-2		Reads: Multimeter B indicates 600 K ohms to 9000 K ohms.  Change to read: Multimeter B indicates 600 K ohms minimum.  Reason: Circuit being checked could measure infinity. Multimeter can read above 9000 K ohms and still be correct.

TEAR ALONG PERFORATED LINE

SAMPLE

PRINTED NAME GRADE OR TITLE AND TELEPHONE NUMBER  
 SP4 J.T. Brown, Jr.

SIGN HERE

FILL IN YOUR  
UNITS ADDRESS



FOLD BACK

DEPARTMENT OF THE ARMY

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OFFICIAL BUSINESS

COMMANDER  
U.S. ARMY AVIATION AND TROOP COMMAND  
ATTN: AMSAT-I-MP  
4300 GOODFELLOW BOULEVARD  
ST. LOUIS, MO 63120-1798

TEAR ALONG PERFORATED LINE



1 Nov 80

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1 Nov 80

FILL IN YOUR  
UNITS ADDRESS



FOLD BACK

DEPARTMENT OF THE ARMY

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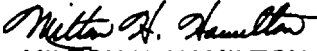
OFFICIAL BUSINESS

COMMANDER  
U.S. ARMY AVIATION AND TROOP COMMAND  
ATTN: AMSAT-I-MP  
4300 GOODFELLOW BOULEVARD  
ST. LOUIS, MO 63120-1798

TEAR ALONG PERFORATED LINE

By Order of the Secretary of the Army:

Official:

  
MILTON H. HAMILTON  
*Administrative Assistant to the  
Secretary of the Army*  
07661

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

DISTRIBUTION :

To be distributed in accordance with DA Form 12-25-E, block no. 5733, requirements for TM 10-8110-201-10-HR.



## The Metric System and Equivalents

### Linear Measure

1 centimeter = 10 millimeters = .39 inch  
 1 decimeter = 10 centimeters = 3.94 inches  
 1 meter = 10 decimeters = 39.37 inches  
 1 dekameter = 10 meters = 32.8 feet  
 1 hectometer = 10 dekameters = 328.08 feet  
 1 kilometer = 10 hectometers = 3,280.8 feet

### Weight

1 centigram = 10 milligrams = .15 grain  
 1 decigram = 10 centigrams = 1.54 grains  
 1 gram = 10 decigrams = .035 ounce  
 1 dekagram = 10 grams = .35 ounce  
 1 hectogram = 10 dekagrams = 3.52 ounces  
 1 kilogram = 10 hectograms = 2.2 pounds  
 1 quintal = 100 kilograms = 220.46 pounds  
 1 metric ton = 10 quintals = 1.1 short tons

### Liquid Measure

1 centiliter = 10 milliliters = .34 fl. ounce  
 1 deciliter = 10 centiliters = 3.38 fl. ounces  
 1 liter = 10 deciliters = 33.81 fl. ounces  
 1 dekaliter = 10 liters = 2.64 gallons  
 1 hectoliter = 10 dekaliters = 26.42 gallons  
 1 kiloliter = 10 hectoliters = 264.18 gallons

### Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch  
 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches  
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet  
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet  
 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres  
 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile -

### Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch  
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches  
 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

## Approximate Conversion Factors

To change	To	Multiply by	To change	To	Multiply by
inches	centimeters	2.540	ounce-inches	newton-meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectimeters	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29.573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	.907	kilograms	pounds	2.205
pound-feet	newton-meters	1.356	metric tons	short tons	1.102
pound-inches	newton-meters	.11296			

## Temperature (Exact)

°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C
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