

***TM 5-6630-215-10-HR**

HAND RECEIPT

**COVERING CONTENTS OF
COMPONENTS OF END ITEM (COEI),
BASIC ISSUE ITEMS (BII),
AND ADDITIONAL AUTHORIZATION LIST (AAL)
FOR
WATER QUALITY ANALYSIS SET,
PREVENTIVE MEDICINE
NSN 6630-00-140-7826
WATER QUALITY ANALYSIS SET,
ENGINEER
NSN 6630-00-140-7820**

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

***This manual supersedes TM 5-6630-215-12-HR, dated 19 December 1986**

HEADQUARTERS, DEPARTMENT OF THE ARMY

15 January 1993

TECHNICAL MANUAL

TM 5-6630-215-10-HR

HEADQUARTERS
DEPARTMENTS OF THE ARMY
WASHINGTON D. C., 15 JANUARY 1993

HAND RECEIPT

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FOR
WATER QUALITY ANALYSIS SET,
PREVENTIVE MEDICINE
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ENGINEER
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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 away to improve the procedures, please let us know. Mail your letter or 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, US Army Aviation and Troop Command, ATTN: AMSAT-I-MTS, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. A reply will be furnished directly to you.

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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 Water Quality Analysis/Set Preventive Medicine.

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 5-6630-215-12. The listings consist of exactly the same items and are in the same sequence as those listings in TM 5-6630-215-12.

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 710-2-1, 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 areas 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 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.

o. QUANTITY (column g). Actual quantity on hand. Subcolumns A through Fare to be filled in by the receiving unit/personnel in accordance with DA Pam 710-2-1, chapter 6.

p. PAGE _ 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. 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.

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						
	6630-00-140-7826 / 6630-00-140-7820	Water Quality Analysis Set, Preventive Medicine/Engineer	TM 5-6630-215-12									
STOCK NUMBER <i>a.</i>	ITEM DESCRIPTION <i>b.</i>	*	SEC	UI	QTY AUTH	R	QUANTITY					
							A	B	C	D	E	F
6630-00-140-7826	(N) Water Quality Analysis Set, Preventive Medicine (PM), 13222E7900 (97403)				1							
6630-00-140-7820	(N) Water Quality Analysis Set, Engineer (ENG), 13222E7800 (97403)				1							
6665-00-682-4765	(N) Water Test Kit, Bacteriological, 13222E7800 (97403), XX64-037-11 (08071)				1							
6630-01-026-5600	(N) Acidity Test Kit (PM), 13222E7890 (97403), 13222E7890 (97403)				1							
6630-01-073-2984	(D) Case, Polypropyphline (ENG), 13222E7890 (97403) (X) Instructions, 13222E0760 (97403)				1							
6810-00-798-9844	(X) Indicator Pillows, Brom-cresol Green Methyl-Red, 50 EA., 13222E7890 (97403)				2							
	(X) Clippers, Small, 13222E7778 (97403)				1							
6810-00-798-9643	(X) Indicator Solution, Phenolphthalein, 13222E7890 (97403)				1							
6810-00-071-3612	(X) Sodium Hydroxide Standard Solution 13222E7896 (97403)				1							
	(X) Measuring Tube, 5.38 ML, 13222E7778 (97403)				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).

PAGE 1 OF 20 PAGES.

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STOCK NUMBER <i>a.</i>	ITEM DESCRIPTION <i>b.</i>	*	SEC	UI	QTY AUTH <i>f.</i>	QUANTITY <i>g.</i>					
						A	B	C	D	E	F
	COEI — CONTINUED										
6640-01-068-9153	(X) Mixing Bottle, 15 ML, 13222E7890 (97403)				1						
6630-01-035-1159	(N) Ferric Iron Test Kit (PM), 13222E7896 (97403)				1						
6630-01-073-2984	(N) Case, Polypropylene, 13222E7896 (97403)				1						
6630-01-072-8704	(N) Comparator, Color, 13222E7896 (97403)				1						
6630-01-071-1551	(N) Adapter, Viewing, 13222E7797 (97403)				1						
6630-01-071-1772	(X) Tubes, Viewing, 13222E7896 (97403)				2						
6640-01-071-1552	(X) Stoppers; Tube, 13222E7797 (97403)				2						
6630-01-073-3021	(N) Color Disc, (0-1.0 mg/l) (PM) 13222E7894 (97403),				1						
	(X) Clippers, Small, 13222E7778 (97403)				1						
6810-01-008-3015	(X) Ferrover (Iron Reagent Powder Pillows) (25 ML				2						
	Sample) 50 EA., 13222E7897 (97403)										
6630-01-076-3913	(N) Color Disc, (0-10.0 mg/l), 13222E7896 (97403)				1						
6630-01-060-1844	(N) Chloride Test Kit (High Range) (PM) 1322E7892 (97403)				1						
6630-01-073-2984	(N) Case, Polypropylene, 13222E7892 (97403)				1						
	(X) Dropper, Pipet, 13222E7892 (97403)				1						
	(X) Chloride Titrant (Silver Nitrate High Range), 13222E7892 (97403)				1						
	(X) Measuring Tube (5.83 ML), 13222E7778 (97403)				1						
6640-01-068-9153	(X) Bottle, Mixing, (ENG) 13222E7892 (97403)				1						
	(X) Clippers, Small, 13222E7778 (97403)				1						
6810-00-978-9790	(X) Chloride Indicator Powder Pillows (50 ea.) (ENG), 13222E7778 (97403)				2						

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				
	6630-00-140-7826 / 6630-00-140-7820	Water Quality Analysis Set, Preventive Medicine/Engineer	TM 5-6630-215-12								
STOCK NUMBER <i>a.</i>	ITEM DESCRIPTION <i>b.</i>	*	SEC	UI	QTY AUTH <i>f.</i>	QUANTITY <i>g.</i>					
						A	B	C	D	E	F
	COEI — Continued										
6630-01-035-1160	(N) Dissolved Oxygen Test Kit, (PM) 13222E7895 (97403),				1						
6640-01-070-3067	(N) Case, Polypropylene, (ENG) 13222E7895 (97403)				1						
6680-01-141-1460	(X) Acid, Sulfuric, 13222E7895 (97403)				1						
	(X) Flask, Erlenmeyer, 50 ML, 13222E7895 (97403)				1						
6640-01-071-6710	(X) Stopper, Flask, 13222E7895 (97403)				1						
6810-01-070-0714	(X) Manganese Sulfate Solution, 13222E7895 (97403)				1						
	(X) Dropper, Pipet, 0.5 ML, 13222E7799 (97403)				1						
6640-01-101-5644	(X) Burette, Micro, (ENG) 13222E7772 (97403)				1						
6640-01-094-8349	(X) Dropper, Pipet, 1.0 ML, 13222E7915 (97403)				1						
6810-01-070-1819	(X) Starch Solution, 13222E7895 (97403)				1						
	(X) Alkaline Potassium Iodide Solution, 13222E7895 (97403)				1						
6640-01-093-3244	(X) Bottle, Sample, 13222E7895 (97403)				1						
6630-01-070-0715	(X) Sodium Thiosulfate Solution, 13222E7895 (97403)				1						
	(X) Tube, Plastic, 13222E7772 (97403)				2						
6630-01-026-4529	(N) Zinc Test Kit (PM), 13222E7915 (97403)				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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STOCK NUMBER <i>a.</i>	ITEM DESCRIPTION <i>h.</i>	*	SEC	UI	QTY AUTH <i>f.</i>	QUANTITY <i>R.</i>					
						A	B	C	D	E	F
	COEI — Continued										
6640-01-070-3067	(N) Case, Polypropylene, 13222E7915 (97403)				1						
6630-01-071-2827	(N) Comparator, Color, 0-10 ppm Zinc, 13222E7778 (97403)				1						
6640-01-070-7877	(X) Spoon, Measuring, 0.5 gm, 13222E7915 (97403)				1						
6810-01-070-6483	(X) Zinc Reagent, 2 oz., 13222E7915 (97403)				1						
6810-01-076-9571	(X) Zinc Conditioning Reagent, 5 gm, 13222E7915 (97403)				1						
	(X) Spoon, Measuring, 0.05 gm, 13222E7793 (97403)				1						
6640-01-093-3289	(X) Tube, Test, 5 ml, 13222E7915 (97403)				1						
	(X) Dropper, Pipet, 1.0 ML, 13222E7915 (97403)				1						
6810-01-070-1784	(X) Water, Deionized, 2 oz., 13222E7915 (97403)				2						
	(X) Tube, Plastic, 13222E7772 (97403)				1						
6650-01-012-3290	(N) Spectrophotometer, 13222E7912 (97403)				1						
	(N) Holder, Meter Scale, 13222E7912-3 (97403)				1						
	(X) Scale, PH Wide Range, 13222E7912-7 (97403)				2						
	(X) Scale, Flouride, 13222E7912-8 (97403)				2						
6630-01-072-8053	(X) Scale, Iron, 13222E7912-9 (97403)				2						
	(X) Scale, Nitrogen-Ammonia, 13222E07912-10 (97403)				2						
6630-01-075-8734	(X) Scale, Nitrogen-Nitrate, 13222E7912-11 (97403)				2						
6630-01-075-8735	(X) Scale, Sulfate, 13222E07912-12 (97403)				2						
	(X) Scale, Turpidity, 13222E07912-13 (97403)				2						
6330-01-072-8052	(X0 Scale, % Transmittance Absorbance, 13222E7912-16 (97403)				2						

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						
	6630-00-140-7826 / 6630-00-140-7820	Water Quality Analysis Set, Preventive Medicine/Engineer	TM 5-6630-215-12								
STOCK NUMBER <i>a.</i>	ITEM DESCRIPTION <i>b.</i>	*	SEC	UI	QTY AUTH <i>f.</i>	QUANTITY <i>g.</i>					
						A	B	C	D	E	F
	COEI — Continued										
6330-01-073-6029	(X) Cell, Colorimeter Sample, 13222E7912-15 (97403)				2						
	(N) Circuitboard, AC Power, 12600-25 (91224)				1						
5920-00-281-0205	(X) Fuse, Cartridge, MIL-F-15160/2 (81349)				3						
	(N) Circuitboard Amplifier, 16706 (91224)				1						
6630-01-125-5385	(X) Lamp Assembly Spectrophotometer (PM), 11493-33 (91224)				2						
6640-01-072-9829	(N) Filter Wedge, 13222E7912-5 (97403)				1						
	(N) Photocell Assembly, 11446-23 (91224)				1						
6625-01-071-3272	(X) Plug, Line Voltage, 115V, 13222E7912-14 (97403)				1						
	(X) Battery, Size D, 1.5V, 13222E7912-2 (97403)				8						
	(N) Meter, API, 503-S, 9305-41 (91224)				1						
6150-01-073-5108	(X) Cord, Power, 13222E7912-4 (97403)				1						
	(X) Plug, Line Voltage, 220 V, 11687-56 (91224)				1						
6630-00-140-7826	(N) Water Quality Analysis Set, Preventive Medicine, 13222E7900 (97403)				1						
6810-01-070-1783	(X) Ferrover (Iron Reagent Powder Pillows) (5 ml Samples) (PM),				2						
	13222E7898 (97403)										
<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>											

TM 5-6630-215-10-HR

STOCK NUMBER <i>a.</i>	ITEM DESCRIPTION <i>b.</i>	*	SEC	UI	QTY AUTH <i>f.</i>	QUANTITY <i>g.</i>					
						A	B	C	D	E	F
	COEI — Continued										
6630-00-127-4765	(X) Clippers, Large (PM), 13222E0710 (97403), 13222E7893 (97403)				1						
6810-01-012-6447	(X) Ferrous Iron Reagent Powder Pillows, 13222E0657				2						
	(97403), 13222E7897 (97403)										
6640-01-120-0204	(X) Flask, Volumetric w/Stopper, 25 ml, 13222E7902 (97403)				1						
6640-00-339-0315	(X) Cylinder, Graduated, 25 ml, 13222E7781 (97403)				2						
6640-00-024-0039	(X) Micro Pipet (PM), 13222E7909 (97403)				1						
6685-01-174-6238	(X) Thermometer, Armored, -30 to + 120 Deg. F,				1						
	13222E7914 (97403)										
6640-01-013-1865	(X) Pipet, Transfer, 5 ml, 13222E7908 (97403)				1						
6640-01-185-3179	(X) Pipet, Transfer, 1. ml (PM), 13222E7907 (97403)				1						
6810-01-012-6447	(X) Powder Pillows: Ferrous Iron (100 ea) (PM), 13222E7899 (97403)				1						
	(X) Detergent, 1 oz, 13222E7782 (97403)				1						
6810-01-011-7191	(X) Salt Solution, Rochelle, 1 oz. Bottle (PM), 13222E7911 (97403)				1						
6810-01-012-0899	(X) Fluoride Solution, Standard 8 oz Bottle (PM), 13222E7903 (97403)				1						
6810-01-010-3168	(X) Fluoride Solution, SPADNS, 8 oz Bottle, 13222E7904 (97403)				1						
6810-01-105-1427	(X) Indicator Solution, PH Wide Range (PM), 13222E7905 (97403)				1						
6810-01-011-7192	(X) Reagent Test Solution, Nessler's APHA 8 oz., 13222E7910 (97403)				1						
	(X) Loading Plan, 13222E7917 (97403)				1						
	(X) Instruction Card, Spectrophotometer, 13222E7916 (97403)				1						
6810-01-013-2685	(X) Powder Pillows Sulfate Test 50 ea. (PM), 13222E7913 (97403)				2						

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					
	6630-00-140-7826 / 6630-00-140-7820	Water Quality Analysis Set, Preventive Medicine/Engineer	TM 5-6630-215-12								
STOCK NUMBER <i>a.</i>	ITEM DESCRIPTION <i>b.</i>	*	SEC	UI	QTY AUTH <i>f.</i>	QUANTITY <i>g.</i>					
						A	B	C	D	E	F
	COEI — Continued										
6810-01-011-7193	(X) Power Pillows Nitrate Test, 100 ea. (PM), 13222E7906 (97403)				1						
8540-00-459-2385	(X) Tissue, Facial, 100 ea, 13222E7798 (97403)				1						
6640-00-976-2446	(X) Filler, Safety Pipet, 13222E7901 (97403)				1						
7920-00-282-7784	(X) Brush, Test Tube ¼ in, 3-574 (22527)				1						
8145-01-077-6891	(N) Case, Transit and Storage (Preventive Medicine - WQAS), 13222E7891 (97403)				1						
6630-01-047-9316	(N) Alkalinity Test Kit (ENG), 13222E7772 (97403)				1						
6630-01-070-3067	(N) Case, Polypropylene, 13222E7772 (97403)				1						
6810-01-084-3648	(X) Alkalinity Titration Reagent, (Sulfuric Acid Standard), 13222E7772 (97403)				3						
6630-01-071-5910	(X) Indicator, Total Alkalinity, 13222E7772 (97403)				1						
	(X) Tube, Sample, 10 ML, 13222E7772 (97403)				1						
	(X) Indicator Solution, Phenolphthalein, 13222E7796 (97403)				1						
6640-01-101-5644	(X) Burette, Micro, 13222E0642 (97403)				1						
	(X) Tube, Storage, 3-15-04500 (53390)				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 <i>a.</i>	ITEM DESCRIPTION <i>b.</i>	*	SEC	UI	QTY AUTH <i>f.</i>	QUANTITY <i>g.</i>					
						A	B	C	D	E	F
	COEI — Continued										
6630-01-047-9316	Test Kit, Alkalinity, 7525-01-9 (53390)			EA	2						
6630-01-035-1174	(N) Turbidity Test Kit with Case (ENG), 13222E7799 (97403)				1						
6630-01-070-3067	(N) Case, Polypropylene (ENG), 13222E7799 (97403)				1						
	(X) Standard Turbidity Reagent, 13222E7799 (97403)				1						
6640-01-074-9062	(X) Turbidity Column, 50/25 ml Mark, 13222E7799 (97403)				2						
6640-01-107-2188	(X) Pipet, W/Dropper, 0.5 ml, 13222E7799 (97403)				1						
	(X) Brush, Tube, 3-1/2 x 10 in., 13222E7799 (97403)				1						
	(X) Tube, Storage, 3-15-04500 (97403)				1						
6630-01-101-4089	(N) Sulfate Test Kit (ENG), 13222E7796 (97403)				1						
6630-01-070-3065	(N) Case, Polypropylene, 13222E7796 (97403)				1						
6810-01-075-5546	(X) Alcohol, Isopropyl, 4 oz. (ENG), 13222E7796 (97403)				4						
6810-01-082-0379	(X) Acid, Hydrochloric, 1 oz. (ENG), 13222E7796 (97403)				1						
	(X) Indicator Solution, Phenolphthalein, 13222E0673				1						
6810-01-070-6511	(X) Indicator Solution, Bromcresol Green, 1 Oz., 13222E7796 (97403)				1						
6810-01-075-0618	(X) Water, Deionized, 4 oz. (ENG), 13222E7796 (97403)				2						
	(X) Indicator Powder, Sulfate, 13222E7796 (97403)				2						
6810-01-075-3505	(X) Reagent, Standard Barium Chloride (ENG), 13222E7796 (97403)				1						
	(X) Cylinder, Graduated, 25 ml, 13222E7796 (97403)				1						
6640-01-044-3774	(X) Stopper, Cylinder (ENG), 13222E7794 (97403)				1						

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				
	6630-00-140-7826 / 6630-00-140-7820	Water Quality Analysis Set, Preventive Medicine/Engineer	TM 5-6630-21 5-12								
STOCK NUMBER <i>a.</i>	ITEM DESCRIPTION <i>b.</i>	*	SEC	UI	QTY AUTH <i>f.</i>	QUANTITY <i>g.</i>					
						A	B	C	D	E	F
	COEI — Continued										
6665-01-134-0885	(N) Water Testing Kit Chemical Agents, M272 (ENG), D5-77-2500 (81361)				1						
	(X) Reagent C (Brown Cap)				1						
	(X) Reagent F (Black Cap)				1						
	(X) Reagent A (Light Green Cap)				1						
	(X) Reagent D (Blue Cap)				1						
	(X) Reagent I (Orange Cap)				1						
	(X) Reagent B (Yellow Cap)				1						
	(X) Reagent H (Dark Green Cap)				1						
	(X) Reagent G (White Cap)				1						
	(X) Reagent Xt w/Black Cap and Test Vial				1						
	(X) Reagent E (Red Cap)				1						
	(X) Reagent J (Grey Cap)				1						
	(X) Pipe Cleaners				2						
	(X) Scoop "J"				1						
	(X) Brush, Tube				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 5-6630-215-10-HR

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STOCK NUMBER <i>a.</i>	ITEM DESCRIPTION <i>b.</i>	*	SEC	UI	QTY AUTH <i>f.</i>	QUANTITY					
						A	B	C	D	E	F
	COEI — Continued										
	(X) Tubes, Test				2						
	(X) Reagent K (In Carton)				1						
	(X) Tube "L" Assembly (In Carton)				1						
	(X) Bottle "P"				1						
	(X) Instruction Book w/Nitrazine PH Color Chart				1						
6630-00-087-1838	(N) Comparator, Color Hydrogen Ion and Residual Chlorine				1						
	(N) Case, Carrying, 70-CA (90767)				1						
	(X) Book, Instruction, WAB50.280 (79172)				1						
	(X) Cell, Sample, 15 ml, 70-15-26 (90767)				4						
	(N) Prism Attachment, 70-PA (90767)				1						
	(X) Indicator, Orthotolidine, (Yellow Cap Bottle), 70-420 (90767)				1						
	(X) Indicator, Wide Range PH, (White Cap Bottle), 70-250-S (90767)				1						
	(X) Arsenite Reagent (Red Cap Bottle), 70-391-R (90767)				1						
	(N) Disc, Color Standards, Residual Chlorine, 0. 1 to 10.0 ppm, 70-333-D26 (90767)				1						
	(N) Disc, Color Standards, Wide Range PH, 3.0 to 11.0, 70-250-D1 (90767)				1						
	(N) Housing, Comparator, 70-H (90767)				1						
	(N) Screws, Locking, 70-L (90767)				2						

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					
	6630-00-140-7826 / 6630-00-140-7820	Water Quality Analysis Set, Preventive Medicine/Engineer	TM 5-6630-215-12								
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
	COEI — Continued										
6630-01-044-0334	(N) Comparator Ay, Color, Hydrogen Ion and Residual Chlorine (ENG), MIL-C-538 (81349)				1						
6630-00-418-3580	(X) Cell, Sample, 15ml, P7201 (79172)				2						
	(N) Prism Attachment, U3160 (79172)				1						
6640-00-926-2236	(X) Indicator, Wide Range PH (White Cap Bottle) U8936 (79172)				1						
	(N) Case, Carrying, U20390 (79172)				1						
	(X) Book, Instruction, WAB50-280 (79172)				1						
	(N) Disc Color Standards, Free Chlorine (DPD) 0.1 to 10.0 ppm, U25315 (79172)				1						
	(N) Disc, Color Standards, Wide Range PH, 3.0 to 11.0 ppm, U9450 (79172)				1						
6630-00-171-7847	(N) Housing Comparator, U818935 (79172)				1						
5305-00-496-3946	(N) Screws, Locking, P7215 (79172)				2						
	(X) Rod, Stirring, P51503 (79172)				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>											

15

STOCK NUMBER <i>a.</i>	ITEM DESCRIPTION <i>b.</i>	*	SEC	UI	QTY AUTH	QUANTITY					
						A	B	C	D	E	F
	COEI — Continued										
6810-01-044-0315	(X) Chlorine Test Tablets, DPD No. 1, 100 ea. (ENG), 13222E7780 (97403)				1						
6630-01-059-2490	(N) Hardness Test Kit (Calcium and Total Hardness), 13222E7789 (97403)				1						
6630-01-070-3066	(N) Case, Polystyrene, 13222E07789 (97403)				1						
6810-00-798-9709	(X) Buffer Solution, Hardness, #1 (PH 10.1) (ENG), 13222E7789 (97403)				1						
6640-01-068-9153	(X) Bottle, Mixing, 13222E7789 (97403)				1						
	(X) Clipper, Small, 13222E7778 (97403)				1						
6630-00-127-4779	(X) Tube, Measuring, 5.83 ml, 13222E7778 (97403)				1						
6810-00-798-9667	(X) Titration Solution, Hardness, #3 (ENG), 13222E0690 (97403)				1						
6810-00-798-9702	(X) Manver Hardness Indicator, Hardness #2 (ENG), 13222E7789 (97403)				1						
6810-01-070-4413	(X) Calver II (Indicator Powder Pillows), 50 ea. (ENG), 13222E7789 (97403)				2						
6810-01-070-1847	(X) Potassium Hydroxide Solution, 8N (ENG), 13222E7789 (97403)				1						
6665-01-134-0885	(X) Refill Kit, Chemical Agent Detector, V-G Components (ENG), MIL-R-51237 (81349)				1						
6665-00-050-8529	(X) Paper, Chemical Agent Detector, VGH, ABC-M8 (25 Sheets)				1						
6630-01-125-5388	(X) Ticket, Detector, C5-77-808 (81361)				40						
6630-01-125-5387	(X) Pocket, Plastic, B5-77-805 (81361)				40						
	(X) Substrate Solution, Dispenser (Red Dot on Cap) 197-54-826 (81361)				1						

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 6630-00-140-7826 / 6630-00-140-7820	END ITEM DESCRIPTION Water Quality Analysis Set, Preventive Medicine/Engineer	PUBLICATION NUMBER TM 5-6630-215-12				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
	COEI — Continued											
6665-01-105-1390	(X) Trihydroxymethylaminomethane (TRIS) (White Lined Bottle), C5-77-790-2 (81361)					1						
	(X) Box, Cardboard					1						
6630-01-026-4528	(N) Color Test Kit, Low/High Range (ENG), 13222E7797 (97403)					1						
6630-01-073-2984	(N) Case, Polypropylene (ENG), 13222E7797 (97403)					1						
6630-01-093-2903	(N) Color Disc, 0-100 Units (ENG), 13222E7797 (97403)					1						
6630-01-072-8704	(N) Comparator, Color (ENG), 13222E7896 (97403)					1						
6640-01-071-1552	(X) Stoppers, Viewing Tube (ENG), 13222E0658 (97403)					2						
6630-01-071-1551	(N) Adapter, Lengthwise, Viewing (ENG), 13222E7797 (97403)					2						
6630-01-071-1772	(X) Tubes, Viewing, 13222E7896 (97403)					2						
6630-00-033-8778	(N) Test Kit, Chloride, Low Range (ENG), 13222E7778 (97403)					1						
6630-01-073-2984	(N) Case, Polypropylene, 13222E7778 (97403)					1						
6810-00-798-9789	(X) Solution, Chloride Test, 4 oz. (ENG), 13222E7778 (97403)											
6640-01-068-9153	(X) Bottle, Mixing, 23 ml., 13222E7778 (97403)					1						
8530-00-929-8046	(X) Clippers, 13222E7778 (97403)					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>												

TM 5-6630-215-10-HR

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STOCK NUMBER <i>a.</i>	ITEM DESCRIPTION <i>b.</i>	*	SEC	UI	QTY AUTH <i>f.</i>	QUANTITY <i>g.</i>					
						A	B	C	D	E	F
	COEI — Continued										
6810-00-798-9790	(X) Powder Pillows, Indicator, Chloride, 2 containers of 50 each, 13222E7778 (97403)				2						
6630-00-127-4779	(X) Tube, Measuring, 1322E7778 (97403)				1						
6330-00-127-4774	(N) Meter, Dissolved Solids (Conductivity) (ENG), 13222E5258 (97403)				1						
	(N) Range Extender, 13222E5258 (97403)				1						
	(N) Meter (sealed), 13222E5258 (97403)				1						
	(X) Instructions, 13222E1805 (97403)				1						
	(X) Battery, 9 Volt, 13222E5258 (97403)				1						
6630-00-127-4775	(X) Jar Test Assembly (ENG), 13222E7786 (97403)				1						
6640-01-012-7534	(X) Spoon, Measuring, .05 mg, 13222E7793 (97403)				2						
6810-00-798-9651	(X) Limestone, Powdered, Analytical Grade, 1 oz. (ENG), 13222E7791 (97403)				1						
6810-01-011-7145	(X) Chloride Demand Reagent, Tablets, 100 ea. (ENG), 13222E7779 (97403)				6						
6810-00-798-9722	(X) Ferric Chloride Solution 4 oz. of 40 ppm Solution (ENG), 13222E7784 (97403)				2						
	(X) Coagulation Test Card, 13222E7803 (97403)				1						
6640-01-013-1866	(X) Funnel, Laboratory, 45 mm (Inside Jar) 13222E0742 (97403), 13222E7787 (97403)				1						
	(X) Stopper, Cylinder, 13222E0751 (97403), 13222E7794 (97403)				2						

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					
	6630-00-140-7826 / 6630-00-140-7820	Water Quality Analysis Set, Preventive Medicine/Engineer	TM 5-6630-215-12									
STOCK NUMBER <i>a.</i>	ITEM DESCRIPTION <i>b.</i>	*	SEC	UI	QTY AUTH <i>f.</i>	QUANTITY <i>g.</i>						
						A	B	C	D	E	F	
	COEI — Continued											
6640-01-012-7534	(X) Spoon, Measuring, .05 mg, 13222E0663 (97403), 13222E7793 (97403)				2							
7920-00-297-1510	(X) Brush, Tube, 10 in. lg., 13222E0709 (97403)				1							
6040-01-107-4486	(X) Bulb Assembly, 2 Way (ENG), 13222E7776 (97403)				1							
6640-00-339-0315	(X) Cylinder, Graduated, Laboratory, 25 ml (ENG), 13222E7781 (97403)				2							
	(N) Range Extender, Conductivity Meter, 13222E5258 (97403)				1							
6630-01-026-1274	(X) Dropper, Pipet, 1 cc (ENG), 13222E7783 (97403)				1							
6640-00-127-4761	(X) Bottle, Wash, 250 ml, w/Resin (ENG), 13222E7775 (97403)				1							
6810-00-798-9651	(X) Limestone, Powdered, Analytical Grade, 13222E7791 (97403)				1							
6640-00-290-5776	(X) Paper, Filter, 100 ea., NNN-P-1475 Type 1, Class 2 (ENG)				1							
	(X) Detergent, 1 oz., 13222E7782 (97403)				1							
8105-00-721-9912	(X) Bag, Plastic, 13222E7792 (97403)				100							
8540-00-459-2385	(X) Tissue, Facial, 100 ea., 13222E7798 (97403)				1							
6810-00-937-0975	(X) Indicator Solution, D PH Wide Range, MIL-I-52701 (81349), 13222E7790 (97403)				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 <i>a.</i>	ITEM DESCRIPTION <i>b.</i>	*	SEC	UI	QTY AUTH <i>f.</i>	QUANTITY <i>g.</i>					
						A	B	C	D	E	F
	COEI — Continued										
6640-00-411-5485	(X) Bottle, Sample, 32 oz. (ENG), 13222E7774 (97403)				1						
6810-00-798-9722	(X) Ferric Chloride Solution, 4oz. of 40 ppm Solution, (ENG), 13222E7784 (97403)				2						
6640-01-075-9201	(X) Flask, Filtering, 500 ml, 13222E7785 (97403)				1						
6640-00-592-7848	(X) Beaker, 250 ml, 13222E7773 (97403)				1						
	(X) Funnel, Buchner, 70 mm, 13222E7788 (97403)				1						
	(X) Stopper Rubber 1 Hole, 13222E7795 (97403)				1						
	(X) Diagram, Loading, 13222E7802 (97403)				1						
	(X) Instructions, Conductivity Meter, 13222E7805 (97403)				1						
	(X) Instructions, Coagulation Test, 13222E7803 (97403)				1						
	(X) Instruction, Turbidity Test Free Water, 13222E7804 (97403)				1						
	(N) Case, Transit and Storage, Engineer - WQAS, 13222E7777 (97403)				1						
6665-00-682-4765	(N) Water Test Kit, Bacteriological, XX63-001-00 (80701)				1						
	(N) Case, Carrying, XX63-000-01 (80701)				1						
	(X) Bottle, Alcohol, 120 ml., XX65-047-05 (80701)				1						
	(X) Forceps, XX62-000-06 (80701)				1						
	(X) Cup, Sample, Graduated, XX62-000-03 (80701)				1						
	(X) Syringe, Vacuum, XX62-000-35 (80701)				1						
	(X) Tubing, Plastic, XX63-000-58 (80701)				2						

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						
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
	COEI — Continued											
	(N) Filter Holder Assembly, XX63-001-20 (80701)					1						
	(X) Funnel, 100 ml., XX63-001-21 (80701)					1						
	(N) Base, Sterilizing, Alum, XX63-001-24 (80701)					1						
	(N) Ring, Funnel Locking, XX20-047-01 (80701)					1						
	(X) Gasket, Locking Ring, XX40-047-14 (80701)					1						
	(N) Support Screen, Stainless, XX20-047-08 (80701)					1						
	(X) Gasket, Support Screen, XX20-047-03 (80701)					1						
	(N) Lockwheel Set, XX20-047-07 (80701)					1						
	(N) Support Holder, w/Ring, XX63-001-25 (80701)					1						
	(X) O-Ring, Support, YY40-142-67 (80701)					1						
	(X) O-Ring, Base, XX63-001-23 (80701)					2						
	(X) Wick, Sterilizing, Base, XX63-001-28 (80701)					1						
	(X) Pipettes, Plastic, XX63-001-35 (80701)					25						
	(X) Marker, China, 77 (08423)					1						
	(X) Flask, Dilution, XX63-001-32 (80701)					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>												

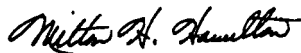
21

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
	COEI — Continued										
	(X) Gasket, Carrying Case, XX63-000-03 (80701)				1						
	(N) Liner, Heating w/Taps, XX63-000-02 (80701)				1						
	(N) Container, Spare Parts, XX63-000-50 (80701)				1						
	(X) Post, Fuse, XX63-000-33 (80701)				1						
	(X) Switch, Selector, XX63-000-36 (80701)				1						
	(X) Light, Indicator, XX63-000-31 (80701)				1						
	(X) Plate, Control, XX63-000-30 (80701)				1						
	(X) Cord, Power, XX63-000-38 (80701)				1						
	(X) Thermometer Ay, XX63-000-12 (80701)				1						
	(N) Rack, Incubator, XX63-001-11 (80701)				1						
	(X) Adapter Plug, European, XX63-000-52 (80701)				1						
	(N) Cover, Incubator Well, XX63-000-10 (80701)				1						
	(X) Thermostat Ay, XX63-000-37 (80701)				1						
	(X) Receptacle, XX63-000-35 (80701)				1						
	(X) Lamp, 14.4V, In Spare Parts Container, XX63-000-53 (80701)				1						
	(X) Fuse, AGC5, In Spare Parts Container, XX63-000-54 (80701)				5						
	(X) Wrench, Allen, In Spare Parts Container, XX63-000-55 (80701)				1						
	(X) Adapter Alligator, In Spare Parts Container,				1						

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

03279

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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)

PFC JOHN DOE
COA, 3d ENGINEER BN
FT. LEONARDWOOD, MO 63108

DATE SENT

PUBLICATION NUMBER

TM 5-6630-215-10-HR

PUBLICATION DATE

PUBLICATION TITLE

WATER QUALITY ANALYSIS SET

BE EXACT... PIN-POINT WHERE IT IS

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

6

2-1
a

B1

4-3

125

line 20

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

In line 6 of paragraph 2-1a the manual states the engine has 6 cylinders. The engine on my set only has 4 cylinders. Change the manual to show 4 cylinders.

Callout 16 on figure 4-3 is pointing at a bolt. In key to figure 4-3, item 16 is called a shim - Please correct one or the other.

I ordered a gasket, item 19 on figure B-16 by NSN 2 910-00-762-3001. I got a gasket but it doesn't fit. Supply says I got what I ordered, so the NSN is wrong. Please give me a good NSN

PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

JOHN DOE, PFC (268) 317-7111

SIGN HERE

JOHN DOE

DA FORM 1 JUL 79 2028-2

PREVIOUS EDITIONS ARE OBSOLETE.

DRSTS-M Overprint 1, 1 Nov 80

PS--IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR RECOMMENDATION MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS.

TEAR ALONG PERFORATED LINE

FILL IN YOUR
UNITS ADDRESS



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DEPARTMENT OF THE ARMY

OFFICAL BUSINESS

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

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RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



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FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER

TM 5-6630-215-10-HR

PUBLICATION DATE

PUBLICATION TITLE

WATER QUALITY ANALYSIS SET

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:

TEAR ALONG PERFORATED LINE

PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

SIGN HERE

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ST. LOUIS, MO 63120-1798

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DEPARTMENT OF THE ARMY



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

TEAR ALONG PERFORATED LINE

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

Weights

1 centigram = 10 milligrams = .15 grain
 1 decigram = 10 centigrams = 1.54 grains
 1 gram = 10 decigram = .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 hectometers	.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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