## HAND RECEIPT

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

**FOR** 

TACTICAL WATER DISTRIBUTION EQUIPMENT SYSTEM (TWDS) SET 10-MILE SEGMENT

MODEL 06749-0183-81 (4320-01-122-3547) MODEL 110-00-0000 (4320-01-168-0591) MODEL 919 (4320-01-168-0590) (4320-01-221-6006)

Approved for public release; distribution is unlimited

HEADQUARTERS, DEPARTMENT OF THE ARMY 30 JULY 1990

Technical Manual TM 5-4320-303-10-HR HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 30 July 1990

### HAND RECEIPT

COVERING CONTENTS OF COMPONENTS OF END ITEM (COEI),
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FOR
TACTICAL WATER DISTRIBUTION EQUIPMENT SYSTEM (TWDS)
SET 10 MILE SEGMENT
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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 Troop Support Command, ATTN: AMSTR-MCTS, 4300 Goodfellow Boulevard, St. Louis, Missouri 63120-1798. A reply will be furnished 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 TWDS.

#### 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 5-4320-303-10. The listings consist of exactly the same items and are in the same sequence as those listings in TM 5-4320-303-10.
- b. The overprinted DA Form 2062 will eliminate manual preparation of the form and will assist organizations in inventorying and accounting for property as required by AR 710-2.
- c. Local reproduction of the overprinted DA Form 2062 is authorized. However, organizations 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.

Code Used on

DTC MODEL 06749-0183-81 DTQ MODEL 110-00-0000

DTR MODEL 919

All items without a "Used on Code" are used with all models of the end item.

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: Non-consumable 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 non-consumable 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".

I. 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 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 F are 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.

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HAND F	RECEIPT/	ANNEX NUMBER	FROM:		TO:							HAND R	ECEIP1	NUMB	ER
		, see DA PAM 710-2-	-1.												
The pro		gency is ODCSLOG.													
FOR ANNEX CR ONLY	END ITE	M STOCK NUMBER	END ITEM DESCRIPTION Tactical V		IBLICATIO					CATION			QUANT	TY	
			Distribution Equipment System	1 (1 WDS)	TM 5-43	20-30	3-10 	<u> </u>	1	April 1	986		. 1		•
STOCK NU	MDED		ITEM DESCRIPTION			*	SEC	UI	QTY AUTH	g.	-	QUA	NTITY		
a.	IVIDER		b.			Ĉ	d.	e.	f	Α	В	С	D	E	F
		TACTICAL WATER	DISTRIBUTION EQUIPMENT SY	STEM (TWDS	)										
 4320-01-122-	-3547	MODEL 06749-0183		(1111)	,										
4320-01-168-		MODEL 110-00-000													
4320-01-168-		MODEL 919													
1020 01 100	0000	WOBLEGIO													
		COMPONENTS OF	END ITEM (COEI)												
		PUMPING STATION	, ,												
		1 OWN ING STATION	10												
		COLIDLING GROOT	VED PIPE, 6 IN. (81349) M10387	-1-D-11		N		EA	48						
			, ,			N		EA	6						
		•	DISCHARGE, 6 IN. X 10 FT. (813	549)		IN		EA	0						
		MIL-H-53027	DIOCHAROE AIN VONET (040	40)		١.,		l _ ,							
		·	DISCHARGE, 6 IN. X 20 FT (813	49)		N		EA	6						
		MIL-H-53027				١									
			DISCHARGE, 6 IN. X 75 FT (813	49)		N		EA	6						
		MIL-H-53027													
		PIPE FITTING, LAT	ERAL GROOVED, 45°, 6 IN			N		EA	12						

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 13 PAGES.

TM 5-4320-303-10-HR

					QTY	g.		QUA	ANTITY		
STOCK NUMBER a.	ITEM DESCRIPTION b.	* c	SEC d.	UI e.	AUTH f.	A	В	С	D	E	F
	COEI - CONTINUED										
	PUMPING ASSY, TRAILER MTD, 600 GPM, UNIT 609 (97403) 13225E9088-3, USED ON DTC, DTQ	N		EA	6						
	PUMPING ASSY, TRAILER MTD, 600 GPM, US636HCCD-1 (97403) PD80366, USED ON DTR	N		EA	6						
	VALVE ASSEMBLY, PRESSURE RELIEF, 6 IN. (97403) 13225E9196	N		EA	6						
	VALVE, BUTTERFLY, 6 IN., GEAR-ACTUATED (79154) 700EGIN	N		EA	18						
	VALVE, CHECK, EPDM, 6 IN. (79154) 710 EGIN	N		EA	6						
5305-00-724-5935	STORAGE ASSEMBLIES BOLT, UNC-2A X 3.25 IN. (96906) MS90725-169 COUPLING, GROOVED PIPE, 4 IN. (81349) M10387-1-D-09	N N		EA EA	32 2						
	COUPLING, GROOVED PIPE, 6 IN. (81349) M10387-1-D-11	N		EA	2						
4730-00-088-9286	COUPLING HALF, QUICK DISCONNECT FLANGED, FEMALE, 4 IN. (96906) MS27024-17	N		EA	2						
	COUPLING HALF, QUICK-DISCONNECT MALE, 4 IN. (96906) MS272020-17	N		EA	2						

Reverse of DA Form 2062 CURRENT AS OF 14 APRIL 1986 PAGE 2 OF 13 PAGES

HAND RECEIPT/ANNEX NUMBER FROM: TO: HAND RECEIPT NUMBER For use of this form, see DA PAM 710-2-1. The proponent agency is ODCSLOG. **END ITEM DESCRIPTION Tactical Water END ITEM STOCK NUMBER** PUBLICATION NUMBER PUBLICATION DATE QUANTITY FOR ANNEX CR ONLY **Distribution Equipment System (TWDS)** TM 5-4320-303-10 14 April 1986 QTY **QUANTITY** STOCK NUMBER ITEM DESCRIPTION \* SEC UI AUTH В Ε F f Α D COEI - CONTINUED ELBOW, 4 IN. X 90°, FEMALE-TO-FEMALE (81718) OPW-633KB Ν EΑ 2 2 ELBOW, 4 IN. X 90°, FEMALE-TO-MALE (81718) OPW-633K EΑ FLANGE ADAPTER, 4 IN. (96906) MS27023-17 2 Ν EΑ 5310-00-823-8803 FLATWASHER, 0.046 ID X 0.812 OD (96906) MS27183-211 Ν EΑ 64 GASKET, CLASS 150, 4 IN. NOM (97403)13220E1069 Ν EΑ 4 HOSE ASSY, DISCH, 4 IN. X 10 FT (97403) 13225E9136-3 EΑ 8 Ν HOSE, SUCTION, 3/4 IN. (56221) 3/4 X 8-0-LG EΑ 2 5310-00-820-6653 LOCKWASHER, 0.375 IN. (96906) MS35338-50 Ν EΑ 32 NUT, PLAIN, 0.375 16 UNC-2B (96906) MS51967-20 32 5310-00-004-5038 Ν EΑ PIPE FITTING, COUPLING 4 IN. (81349) Ν EΑ 2 M 10388-A-07-AI-1-A-6C REDUCING TEE, GROOVED PIPE, 6 X 6 X 4 IN. (81349) 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).

REPAIR ITEMS, POTW, 20,000 GAL TANK (56221)

M 10388-A-30-EB-1-A-6C

480-4-44987-101

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EΑ

EΑ

2

TM 5-4320-303-10-HR

					QTY	g.		QUA	NTITY		
STOCK NUMBER a.	ITEM DESCRIPTION b.	* c	SEC d.	UI e.	AUTH f.	Α	В	С	D	E	F
	COEI - CONTINUED										
	CLAMP, 3 IN.			EΑ	8						
	CLAMP, 5 IN.			EA	4						
	CLAMP, 7 1/2 IN.			EA	4						
	GASKET, COUPLING, 2 IN.			EA	4						
	GASKET, COUPLING, 4 IN.			EA	4						
	GASKET, FLANGE, 4 IN.			EΑ	4						
	O-RING			EΑ	4						
	O-RING			EΑ	4						
	PLUG, TAPERED, 3 IN.			EΑ	4						
	PLUG, TAPERED, 5 IN.			EΑ	4						
	REPAIR KIT, 20,000 GAL TANK (56221) 480-4-44992-101	N		EΑ	2						
	ADHESIVE, 12 IN. X 18 IN.			EΑ	4						
	AIRFOAM, CLOTH BACKED, 1/2 IN.			EA	2						
	BOARD, 8 IN. X 8 IN. X 1 IN. THICK			EA	2						
	CURE IRON			EA	2						
	DISC, ADHESIVE, 4 IN.			EA	20						
	DISC, FABRIC COATED			EA	20						
	FABRIC, COATED, 12 IN. X 18 IN.			EA	4						
	FILM, TEFLON, 8 IN. X 8 IN.			EA	4						
	INSTRUCTIONS			EA	2						

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		ANNEX NUMBER n, see DA PAM 710-2-	FROM:	-	TO:						HAND RECEIPT I	NUMBER
The pro	ponent a	gency is ODCSLOG.										
FOR ANNEX CR ONLY	END ITE	M STOCK NUMBER	END ITEM DESCRIPTION Tactical Water	PUBLIC	CATION	NUME	BER	PUBLIC	ATION	DATE	QUANTIT	Y
CR ONLY			Distribution Equipment System (TWDS)	TM 5	5-4320	0-303	3-10	14 /	April 1	986	1	
											011411777	•

ČR ÖNLY	Distribution Equipment System (TWDS)	TM 5-432	0-30	3-10		14	April 1	986		1		
•						QTY	g.		QUA	NTITY		
STOCK NUMBER a.	ITEM DESCRIPTION b.		*	SEC d.	UI e.	AUTH f	Α	В	С	D	E	F
	COEI - CONTINUED											
	PLATE ALUMINUM, 6 IN. X 6 IN.				EA	1						
	RAGS				EΑ	8						
	SCISSORS, 6 IN.				EΑ	2						
	SHEET, GUM 12 IN. X 18 IN.				EΑ	2						
	SOLVENT, MEK				GL	2						
	STITCHER, 1-1/2 IN. DIA X 1 1/2 IN. WIDE				EA	2						
5430-01-106-9678	TANK, STORAGE, 20,000 GAL (97403) 80303		N		EΑ	2						
	VALVE, GATE, 1/2 IN. (12168) T-111-1/2		N		EA	2						
	VALVE, GATE, 4 IN., FLANGED (97403) 13220E1071		N		EΑ	2						
	DISTRIBUTION POINTS											
4610-00-268-9890	BAG, DRINKING WATER STORAGE, 36 GAL		N		EΑ	4						
	(97403) 13200E6480											
4730-00-088-928	COUPLING HALF, 200-B (96906) MS27026-11		N		EΑ	8						
4730-00-938-799	COUPLING HALF, 200-F (96906) MS27022-11		N		EΑ	8						
	HOSE ASSY. DISCH 2 IN. X 10 ft. (97403) 13225E9136-2		N		EΑ	14						

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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					QTY	g.		QUA	NTITY		
STOCK NUMBER a.	ITEM DESCRIPTION b.	* c	SEC d.	UI e.	AUTH f.	Α	В	С	D	E	F
	COEI - CONTINUED										
	HOSE ASSY, SUCTION, 2 IN. X 20 ft. (97403) 13225E9135-2	N		EA	2						
4610-00-937-6862	HYPOCHLORINATION UNIT 1955-1 (09680) MIL-H-12732	N		EA	2						
	USED ON DTC, DTR										
4610-00-880-0514	HYPOCHLORINATION UNIT A-506131 (79172) A506131	N		EA	2						
	USED ON DTQ										
6630-01-044-0334	KIT, COLOR COMPARATOR (12308) U25337	N		EA	2						
	COLOR COMPARATOR			EA	1						
	CONTAINER, KIT			EA	1						
	DISC, CHLORINE			EΑ	1						
	DISC, PH			EA	1						
	INSTRUCTIONS			EA	1						
	SAMPLE CELLS			EA	4						
	SOLUTION, PH, 4 OZ			ΟZ	1						
	STIRRING ROD			EΑ	1						
	TABLETS, DPD			вх	1						
	NOZZLE, 1 1/4 IN. (97403) 13225E9096	N		EΑ	4						
4730-00-915-5127	PLUG, DUST, QUICK-DISCONNECT, 200 DP	N		EΑ	4						
	(96906) MS27029-11										
4320-00-542-3347	PUMP, 125 GPM (97403) MIL-P-52109	N		EΑ	2						
4730-01-192-1624	REDUCER, 2015-B (96906) MS49002-9	N		EΑ	4						

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HAND RECEIPT/ANNEX NUMBER		FROM:	TO:	HAND RECEIPT NUMBER
For use of this form, see DA PAM 71	0-2-1.			
The proponent agency is ODCSL	OG.			

COEI - CONTINUED   REDUCER, 2015-DA (96906) MS49000-19   4730-01-186-0821   REDUCER, 2040-DA-AL (96906) MS49000-17   STAND ASSY, NOZZLE (97403) MS2950-14   AUTHOR (13219E0491   AUTHOR (13219E0491	ANTITY D E
STOCK NUMBER   COEI - CONTINUED   COEI - CONTINUED   REDUCER, 2015-DA (96906) MS49000-5   REDUCER, 2030-DA-AL (96906) MS49000-11   N	D E
4730-00-951-3295       REDUCER, 2015-DA (96906) MS49000-5       N       EA       4         4730-00-951-3297       REDUCER, 2030-DA-AL (96906) MS49000-11       N       EA       2         4730-01-186-0821       REDUCER, 2040-DA-AL (96906) MS49000-19       N       EA       2         4730-01-064-0560       REDUCER, 4020-DA (97403) MS49000-17       N       EA       2         STAND ASSY, NOZZLE (97403) 13225E9140       N       EA       4         VALVE, ELBOW COUPLER, 2 IN. X 2 IN. (97403)       N       EA       4         13219E0491       N       EA       4	
4730-00-951-3297       REDUCER, 2030-DA-AL (96906) MS49000-11       N       EA       2         4730-01-186-0821       REDUCER, 2040-DA-AL (96906) MS49000-19       N       EA       2         4730-01-064-0560       REDUCER, 4020-DA (97403) MS49000-17       N       EA       2         STAND ASSY, NOZZLE (97403) 13225E9140       N       EA       4         VALVE, ELBOW COUPLER, 2 IN. X 2 IN. (97403)       N       EA       4         13219E0491       N       EA       4	
4730-01-186-0821       REDUCER, 2040-DA-AL (96906) MS49000-19       N       EA       2         4730-01-064-0560       REDUCER, 4020-DA (97403) MS49000-17       N       EA       2         STAND ASSY, NOZZLE (97403) 13225E9140       N       EA       4         VALVE, ELBOW COUPLER, 2 IN. X 2 IN. (97403)       N       EA       4         13219E0491       N       EA       4	
4730-01-064-0560 REDUCER, 4020-DA (97403) MS49000-17 STAND ASSY, NOZZLE (97403) 13225E9140 VALVE, ELBOW COUPLER, 2 IN. X 2 IN. (97403) 13219E0491	
STAND ASSY, NOZZLE (97403) 13225E9140  VALVE, ELBOW COUPLER, 2 IN. X 2 IN. (97403)  13219E0491	
VALVE, ELBOW COUPLER, 2 IN. X 2 IN. (97403)  13219E0491	
13219E0491	
4820-00-810-4250   VALVE, GATE 2 IN. (82666) B120-2"   N   EA   4	
Y-CONNECTION, QUICK DISCONNECT, 2 X 2 X 2 IN.	
(81718) 319K	
10 MILE HOSE LINE SEGMENT	
BOX, FLAKING(97403) 13225E9182 N EA 132	
COUPLING, GROOVED PIPE, 6 IN. (81349) M10387-1-D-11 N EA 15	
4730-00-915-5127 COUPLING, HALF, QUICK DISCONNECT, FEMALE, 6 IN. N EA 1	
(96906) MS27024-19	
(00000) MOZI OZI 10	

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

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TM 5-4320-303-10-HR

					QTY	g.		QUA	NTITY		
STOCK NUMBER a.	ITEM DESCRIPTION b.	* c	SEC d.	UI e.	AUTH f.	Α	В	С	D	Е	F
4730-01-178-0317	COEI - CONTINUED DISPLACEMENT AND EVACUATION KT (97403) 13226E1577  BALL POLYURETHANE, 6 IN. COUPLER, PNEUMATIC, UF-75-B COUPLER, PNEUMATIC, UF-100-B COUPLER, PNEUMATIC, UM-100-B COUPLING, SNAPLOCK, GROOVED PIPE, 6 IN. EJECTOR ASSEMBLY, BRONZE END CAP, GROOVED PIPE, 6 IN. END CAP, GROOVED PIPE, 6 IN DRILLED AND TAPPED KIT CHEST, METAL REDUCER, GROOVED PIPE, 8 IN. X 6 IN. REDUCER, GROOVED PIPE, 8 IN. X 6 IN. MEDUCER, GROOVED PIPE, 6 IN. (81349) M10388-A-05-AK-1-A GUARD, ROAD CROSSING, 6 IN. HOSELINE (97403) 13226E1576 HANDLE, SOCKET WRENCH (97403) 13225E9090-28	N		EA EA EA EA EA EA	2 4 4 2 2 2 48 2 2 2 2 2 4 4 4						

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For use of	this form	ANNEX NUMBER n, see DA PAM 710-2- gency is ODCSLOG.	-1.	FROM:		TO:							HAND F	RECEIP	T NUME	BER
FOR ANNEX CR ONLY		EM STOCK NUMBER	1	TITEM DESCRIPTION Tactical Water stribution Equipment System (TWDS)	_	-	N NUMI 20-30				CATION April 1			QUANT 1	ITY	
										QTY	g.		QUA	NTITY		
STOCK NUI a.	MBER			ITEM DESCRIPTION b.			* c	SEC d.	UI e.	AUTH f	Α	В	С	D	E	F
		COEI - CONTINUEI HOSE ASSEMBLY.		LLAPSIBLE, 6 IN. X 500 FT (81349)			N		ΕA	132						
		MIL-H-53027		,												
		HOSE ASSEMBLY,	SUC	CTION, 6 IN. X 10 FT. (97403) 13225E91	35-6		N		EΑ	12						
		NAIL, STEEL ROOF	FING	s, 1-1/2 IN.					EΑ	240						
		PACKING KIT, HOS	SELIN	NE, 6 IN. (81349) MIL-P-52348-6			N		EΑ	1						
		CHAIN HOIST							EA	1						
		EYEBOLT ASSI	EMB	sLY					EA	2						
		KIT CHEST, ME	TAL	-					EA	1						
		PULLBOARD A							EA	1						
				ND BRACKET, LEFT HAND					EA	1						
				ND BRACKET, RIGHT HAND					EA	1						
		M10388-A-07-A	K-1-	JPLING, 6 IN. (81349) A-6A NECTION, 6 X 4 X 4 IN. (97403)					EA EA	1 1						

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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					QTY	g.		QUA	NTITY		
STOCK NUMBER a.	ITEM DESCRIPTION b.	* c	SEC d.	UI e.	AUTH f.	Α	В	С	D	E	F
	OOF! OONTINUED										
	COEI - CONTINUED	١									
	REPAIR KIT, HOSEINE, 6 IN. (97403) 13226E1581	N		EA	1						
	ADAPTER, GROOVED PIPE, 6 IN.			EA	6						
	BANDING STRAP, 3/4 IN. X 200 FT.			EA	1						
	BANDING TOOL/SCREW ACTION			EA	1						1
	BUCKLE, BANDING, 3/4 IN.			EA	100						
	CLAMP, HOSE, 6 IN.			EA	2						
	CLOTH, EMERY, MEDIUM			EA	3						
	COUPLING, GROOVED PIPE, 6 IN.			EA	3						
	FILE, 1/2 ROUND, 8 IN.			EA	1						
	HACKSAW BLADE, 10 IN.			EA	10						
	HACKSAW FRAME, ADJUSTABLE			EA	1						
	HAMMER, BALL-PEEN, 6 IN.			EA	1						
	HANDLE, SOCKET WRENCH 3/4 IN. DRIVE			EA	1						
	HOSE, RUBBER, 6 IN. X 15 FT.			EΑ	2						
	KIT CHEST, METAL			EΑ	ı						1
	KNIFE, RUBBER CUTTING, 8 X 1 IN.			EΑ	1						1
	MALLET, RUBBER, 32 OZ.			EA							1
	PLIERS, LINESMAN			EA	1						
	SCREW DRIVER, 6-1/2 IN.			EΑ	1						1
	SOCKET, 3/4 IN.			EΑ	1						1
											1
											1
											1
											1

Reverse of DA Form 2062 CURRENT AS OF 14 APRIL 1986 PAGE 10 OF 13 PAGES

HAND RECEIPT/ANNEX NUMBER			FROM:			TO:							HAND R	ECEIPT	NUMB	ER
		n, see DA PAM 710-2-	-1.													
The pro	·	gency is ODCSLOG.	Taria di alla	NA/ - 4												
FOR ANNEX CR ONLY	END ITE	EM STOCK NUMBER		TITEM DESCRIPTION Tactical Water PUBLICATION Tribution Equipment System (TWDS)			_				CATION		QUANTITY			
			Distribution Equipment System	II (1 WD3)	I IV	1 3-432	0-30	5-10			April 1	900	.—.			
STOCK NU	MDED		ITEM DESCRIPTION				*	SEC	UI	QTY AUTH	g.		QUANTITY			
a.	MIDEIX		b.				Ĉ	d.	e.	f	Α	В	С	D	E	F
		COEI - CONTINUED	)													
		TOOL BOX, ME	TAL						EΑ	1						
		SUSPENSION KIT,	HOSELINE, 6 IN. (81349) MIL-S-	-53012			N		EΑ	5						
	ANCHOR STAKE, STEEL, 3/4 IN. X 34 IN.								EΑ	70						
		CLAMP, U-BOL	T, 1/2 IN.						EΑ	125						
		DRIVING HEAD	·						EΑ	5						
		HOIST	,						EΑ	5						
		KIT CHEST, ME	TAL						EA	5						
		PULLEY BLOCK							EA	20						
			., 1/2 IN. X 300 FT.						EA	5						
		ROPE WIRE, 1/							EA	5						
		SADDLE, 6 IN.	2 111. 7. 000 1 1 .						EA	300						
		SHACKLE, 1/2 I	N						EA	300						
		THIMBLE, WIRE							EA	20						
		·							EA							
		TURN BUCKLE,	, 3/4 IIN. Λ 10 IIN.						EA	20						

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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**CURRENT AS OF 14 APRIL 1986** 

TM 5-4320-303-10-HR

COEI - CONTINUED   SLING ASSEMBLY, FOUR LEG (LIFTING SLING)   SLING ASSEMBLY, FOUR LEG (LIFTING SLING)   SLING ASSEMBLY, FOUR LEG (LIFTING SLING)   SLING ASSEMBLY, POUR LEG (LIFTING SLING)   SLING ASSEMBLY, PRESSURE REDUCING (86184) 6-906-01BV   VALVE ASSEMBLY, PRESSURE REDUCING (86184) 6-906-01BV   VALVE ASSEMBLY, PRESSURE RELIEF (97403) 13225E9196   WRENCH, SOCKET, 1-1/16 (97403) 1322E9090-27   WRENCH, SOCKET, 1-1/16 (97403) 1322E9090-26   EA						QTY	g.		QUA	NTITY	
SLING ASSEMBLY, FOUR LEG (LIFTING SLING) (97403) 13226E 1582   SWIVEL JOINT AND COUPLING, 6 IN. (81349) MIL-H-53027   EA 65   VALVE ASSEMBLY, PRESSURE REDUCING (86184) 6-906-01BV   VALVE ASSEMBLY, PRESSURE RELIEF (97403) 13225E9196   EA 1   EA 1	1		1	1				В	С	D	F
SLING ASSEMBLY, FOUR LEG (LIFTING SLING) (97403) 13226E 1582   SWIVEL JOINT AND COUPLING, 6 IN. (81349) MIL-H-53027   EA 65   VALVE ASSEMBLY, PRESSURE REDUCING (86184) 6-906-01BV   VALVE ASSEMBLY, PRESSURE RELIEF (97403) 13225E9196   EA 1   EA 1		0051 001511115									
(97403) 13226E 1582 SWIVEL JOINT AND COUPLING, 6 IN. (81349) MIL-H-53027 VALVE ASSEMBLY, PRESSURE REDUCING (86184) 6-906-01BV VALVE ASSEMBLY, PRESSURE RELIEF (97403) 13225E9196 WRENCH, SOCKET, 1-1/4 IN. (97403) 1322E9090-27 WRENCH, SOCKET, 1-1/16 (97403) 1322E9090-26  BASIC ISSUE ITEMS (BII) MANUAL, OPERATOR'S TACTICAL WATER DISTRIBUTION EQUIPMENT SYSTEM (TWDS) SET 10 MILE SEGMENT, TM5-4320-303-10  ADDITIONAL AUTHORIZATION LIST (AAL) BRUSH, SOFT BRUSH, WIRE PAIL, UTILITY, 1 GAL SCRAPER, PLASTIC WRENCH, COMBINATION BOX - AND OPEN - END,			١		<u>_</u> ,						
SWIVEL JOINT AND COUPLING, 6 IN. (81349) MIL-H-53027 VALVE ASSEMBLY, PRESSURE REDUCING (86184) 6-906-01BV VALVE ASSEMBLY, PRESSURE RELIEF (97403) 13225E9196 WRENCH, SOCKET, 1-1/4 IN. (97403) 1322E9090-27 WRENCH, SOCKET, 1-1/16 (97403) 1322E9090-26  BASIC ISSUE ITEMS (BII) MANUAL, OPERATOR'S TACTICAL WATER DISTRIBUTION EQUIPMENT SYSTEM (TWDS) SET 10 MILE SEGMENT, TM5-4320-303-10  ADDITIONAL AUTHORIZATION LIST (AAL) BRUSH, SOFT BRUSH, WIRE PAIL, UTILITY, 1 GAL SCRAPER, PLASTIC WRENCH, COMBINATION BOX - AND OPEN - END,			N		EA	1					
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VALVE ASSEMBLY, PRESSURE RELIEF (97403) 13225E9196       EA       1         WRENCH, SOCKET, 1-1/4 IN. (97403) 1322E9090-27       EA       4         WRENCH, SOCKET, 1-1/16 (97403) 1322E9090-26       EA       2         BASIC ISSUE ITEMS (BII)       EA       2         MANUAL, OPERATOR'S TACTICAL WATER       EA       8         DISTRIBUTION EQUIPMENT SYSTEM (TWDS) SET       10 MILE SEGMENT, TM5-4320-303-10       EA       6         ADDITIONAL AUTHORIZATION LIST (AAL)       EA       6         BRUSH, SOFT       EA       6         BRUSH, WIRE       EA       6         PAIL, UTILITY, 1 GAL       EA       2         SCRAPER, PLASTIC       EA       6         WRENCH, COMBINATION BOX - AND OPEN - END,       EA       6			l N			1					
WRENCH, SOCKET, 1-1/4 IN. (97403) 1322E9090-27 WRENCH, SOCKET, 1-1/16 (97403) 1322E9090-26  BASIC ISSUE ITEMS (BII) MANUAL, OPERATOR'S TACTICAL WATER DISTRIBUTION EQUIPMENT SYSTEM (TWDS) SET 10 MILE SEGMENT, TM5-4320-303-10  ADDITIONAL AUTHORIZATION LIST (AAL) BRUSH, SOFT BRUSH, WIRE PAIL, UTILITY, 1 GAL SCRAPER, PLASTIC WRENCH, COMBINATION BOX - AND OPEN - END,			'`								
WRENCH, SOCKET, 1-1/16 (97403) 1322E9090-26  BASIC ISSUE ITEMS (BII)  MANUAL, OPERATOR'S TACTICAL WATER  DISTRIBUTION EQUIPMENT SYSTEM (TWDS) SET  10 MILE SEGMENT, TM5-4320-303-10  ADDITIONAL AUTHORIZATION LIST (AAL)  BRUSH, SOFT  BRUSH, WIRE  PAIL, UTILITY, 1 GAL  SCRAPER, PLASTIC  WRENCH, COMBINATION BOX - AND OPEN - END,						'					
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10 MILE SEGMENT, TM5-4320-303-10  ADDITIONAL AUTHORIZATION LIST (AAL)  BRUSH, SOFT  BRUSH, WIRE  PAIL, UTILITY, 1 GAL  SCRAPER, PLASTIC  WRENCH, COMBINATION BOX - AND OPEN - END,		MANUAL, OPERATOR'S TACTICAL WATER			EA	8					
ADDITIONAL AUTHORIZATION LIST (AAL) BRUSH, SOFT BRUSH, WIRE PAIL, UTILITY, 1 GAL SCRAPER, PLASTIC WRENCH, COMBINATION BOX - AND OPEN - END,		DISTRIBUTION EQUIPMENT SYSTEM (TWDS) SET									
BRUSH, SOFT BRUSH, WIRE PAIL, UTILITY, 1 GAL SCRAPER, PLASTIC WRENCH, COMBINATION BOX - AND OPEN - END,  EA 6 EA 6 EA 6 EA 6 EA 6		10 MILE SEGMENT, TM5-4320-303-10									
BRUSH, WIRE PAIL, UTILITY, 1 GAL SCRAPER, PLASTIC WRENCH, COMBINATION BOX - AND OPEN - END,  EA 6 EA 2 EA 6 EA 6 EA 6		ADDITIONAL AUTHORIZATION LIST (AAL)									
PAIL, UTILITY, 1 GAL SCRAPER, PLASTIC WRENCH, COMBINATION BOX - AND OPEN - END,  EA 2 EA 6 EA 6		BRUSH, SOFT			EΑ	6					
SCRAPER, PLASTIC WRENCH, COMBINATION BOX - AND OPEN - END,  EA 6 EA 6		BRUSH, WIRE			EA	6					
WRENCH, COMBINATION BOX - AND OPEN - END,		PAIL, UTILITY, 1 GAL			EA	2					
		·				6					
1-3/8 IN. USED ON DTR					EA	6					
		1-3/8 IN. USED ON DTR									

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	RECEIPT/ANNEX NUMBER this form, see DA PAM 710-2-	FROM:	то:		HAND RECEIPT NUMBER
The pro	ponent agency is ODCSLOG.				
FOR ANNEX CR ONLY	END ITEM STOCK NUMBER	END ITEM DESCRIPTION Tactical Water	PUBLICATION NUMBER	PUBLICATION DATE	QUANTITY
CR ONLY		Distribution Equipment System (TWDS)	TM 5-4320-303-10	14 April 1986	1

CR ONLY			Distribution Equipment System (TWDS)	TM 5-432	0-30	3-10	14 April 1986 1  SEC UI e. QTY AUTH f A B C D  2 2 1 6 6										
	•									QUA	QUANTITY						
STOCK NU a.	JMBER		ITEM DESCRIPTION b.		* C			AUTH f	В	С	D	E	F				
		AAL- CONTINUED															
5120-00-27	77-1461	WRENCH, PIPE, 1	IN. MIN AND 2 IN. MAX		EA		2										
5120-00-27	77-1481	WRENCH, PIPE, 2-	-7/8 IN. MIN AND 4 IN. MAX		EA		2										
		WRENCH, PIPE 6	IN.		EA		1										
5120-00-89	95-9566	WRENCH SET, CC	MBINATION BOX - AND OPEN - END		EA		6										

HAND RECEIPT, enter Hand Receipt Annex Number
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HAND RECEIPT ANNEX/COMPONENTS RECEIPT, enter Accounting Requirements Code (ARC).

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					QTY	g.		QUA	NTITY		
STOCK NUMBER a.	ITEM DESCRIPTION b.	* c	SEC d.	UI e.	AUTH f.	Α	В	С	D	E	F

 Reverse of DA Form 2062
 CURRENT AS OF 14 APRIL 1986
 PAGE \_\_ OF \_\_ PAGES

# By Order of the Secretary of the Army:

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

Official:

## THOMAS F. SIKORA

Brigadier General, United States Army The Adjutant General

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## 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 decagram = 10 grams = .35 ounce
- 1 hectogram = 10 decagrams = 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 milliters = .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	То	Multiply by	To change	То	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	5/9 (after	Celsius	°C
	temperature	subtracting 32)	temperature	

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