

TECHNICAL MANUAL

UNIT AND DIRECT SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST
FOR

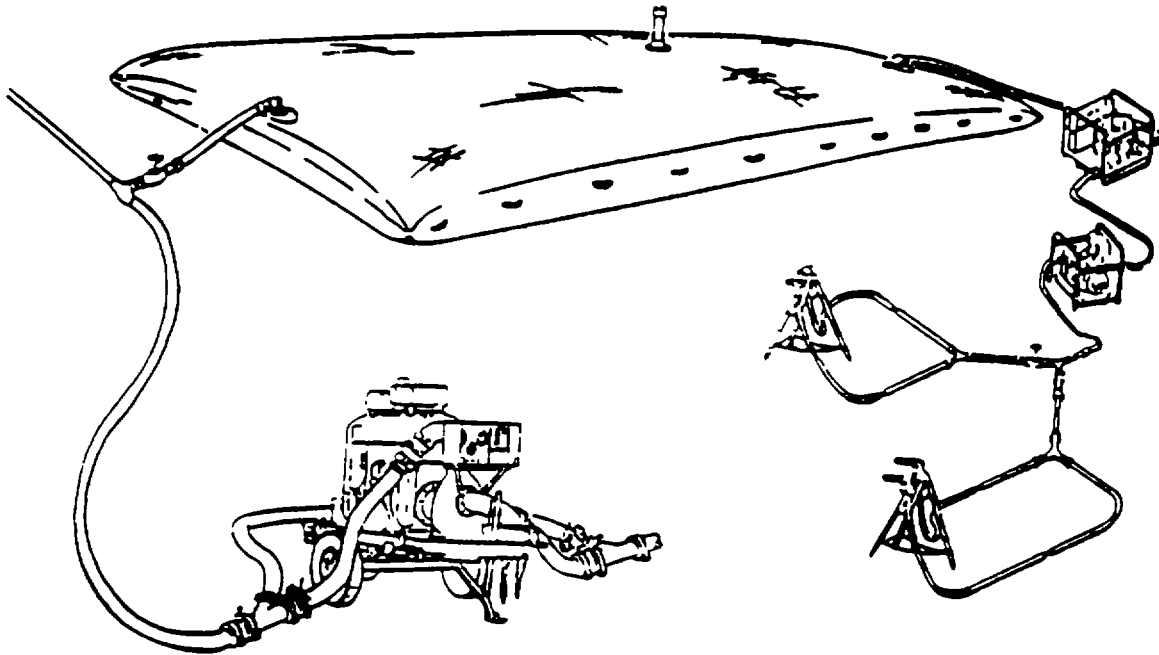
TACTICAL WATER DISTRIBUTION EQUIPMENT
SYSTEM (TWDS) SET
10-MILE SEGMENT

MODEL 06749-0183-81 (NSN 4320-01-122-3547)

MODEL 110-00-0000 (NSN 4320-01-168-0591)

MODEL 919 (NSN 4320-01-168-0590)

MODEL 10 (NSN 4320-01-221-6006)



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

*This manual, together with TM 10-4320-344-24P -1, -2 and -3, dated 4 April 1994 supersedes TM 5-4320-303-24P, dated 30 November 1988

HEADQUARTERS, DEPARTMENT OF THE ARMY
4 APRIL 1994

TECHNICAL MANUAL

NO 10-4320-303-23P

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D C, 4 April 1994

**Unit and Direct Support Maintenance
Repair Parts and Special Tools List
for**

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

MODEL 06749-0183-81 (NSN 4320-01-122-3547)

MODEL 110-0000 (NSN 4320-01-168-0591)

MODEL 919 (NSN 4320-01-168-0590)

MODEL 10 (NSN 4320-01-221-6006)

Current as of 31 July 1993

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help Improve this manual If you find any mistakes or If you know of a way to improve the procedures, please let us know Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located In the back of this manual direct to Commander, US Army Aviation and Troop Command, ATTN AMSAT-I-MP, 4300 Goodfellow Blvd, St. Louis, MO 63120-1798 A reply will be furnished directly to you.

DISTRIBUTION STATEMENT A Approved for public release, distribution is unlimited.

TABLE OF CONTENTS

		PAGE	ILLUS/ FIGURE
Section I	Introduction	1	
Section II	Repair Parts List.....	1-1	
Group 01	TWDS Supply Connection Items		
	Y-Connection, Reducer.....	1-1	1
	Hose Assembly, Suction, 6 In x 10 Ft.....	2-1	2
	Coupling Half, Quick 6 In.	3-1	3
	Pipe Fitting, Grooved	4-1	4
Group 02	Pumping Station		
	Grooved Coupling, 6 In	5-1	5
	Pipe Fitting, Lateral, 6 In	6-1	6
	Valve, Butterfly	7-1	7
	Hose Assembly, Discharge, 10 Ft.....	8-1	8
	Hose Assembly, Discharge, 20 Ft.....	9-1	9
	Hose Assembly, Discharge, 75 Ft.....	10-1	10
	Pumping Assembly, 600 GPM.....	11-1	11
	Check Valve	12-1	12
	Valve Assembly, Pressure Relief	13-1	13

*This manual, together with TM 10-4320-344-24P -1, -2 and -3, dated 4 April 1994 supersedes TM 5-4320-303-24P, dated 30 November 1988

TABLE OF CONTENTS - continued

		PAGE	ILLUS/ FIGURE
Group 03	10-Mile Segment Equipment		
	Hose Assembly, 500 Ft	14-1	14
	Flaking Box, 2-Way, Pick-Up.....	15-1	15
	Flaking Box Assembly	16-1	16
	Swivel Joint and Grooved Coupling.....	17-1	17
	Valve Assembly, Pressure Reducing	18-1	18
	Valve Assembly, Pressure Relief.....	19-1	19
Group 04	Storage Assembly		
	Component Parts, Storage Assembly	20-1	20
	Gate Valve, 4 In	21-1	21
	Tank, Pillow, 20,000 Gallons	22-1	22
Group 05	Distribution Point		
	Distribution Point.....	23-1	23
	Quick Disconnect Reducer	24-1	24
	Pumping Assembly, Centrifugal.....	25-1	25
	Coupling, Half Quick Disconnect	26-1	26
	Hypochlorination Unit.	27-1	27
	Hose Assembly, Outlet	28-1	28
	Pressure Regulating Hose	29-1	29
	Hose Assembly, Inlet	30-1	30
	Hose Assembly, Drain	31-1	31
	Fill Hose	32-1	32
	Pressure Gage and Fill Assembly.....	33-1	33
	Pilot Valve and Gearbox.....	34-1	34
	Water Meter, 1 In	35-1	35
	Head Assembly, Liquid.....	36-1	36
	Plumbing, Manifold Assembly	37-1	37
	Valve Assembly, Pressure Regulating	38-1	38
	Frame	39-1	39
	Hypochlorination Unit	40-1	40
	Coupling Half and Y-Connection, 2 In.....	41-1	41
	Gate Valve, 2 In	42-1	42
	Coupling, Half Quick	43-1	43
	Valve, Elbow, Coupler	44-1	44
	Dust Plug	45-1	45
	Nozzle Distribution	46-1	46
	Stand Assembly	47-1	47
	Water Bag, Canvas	48-1	48
	Color Comparator and Case	49-1	49
	Reducers, Quick Disconnect.....	50-1	50
	Crossing Guard, Roadway.....	51-1	51
Group 06	Suspension Kit		
	Suspension Kit	52-1	52
Group 07	Displacement and Evacuation Kit		
	Displacement and Evacuation Kit.....	53-1	53
	Hoist.....	54-1	54
Group 08	Packing Kit		
	Packing Kit, Hoseline	55-1	55
	Bracket Assembly, Hose Retaining, LH	56-1	56
	Bracket Assembly, Hose Retaining, RH	57-1	57

TABLE OF CONTENTS - continued

		PAGE	ILLUS/ FIGURE
	Pullboard Assembly.....	58-1	58
	Chain Hoist and Eyebolt	59-1	59
Group 09	Repair Kit		
	Repair Kit, Hoseline	60-1	60
Group 10	Sling Assembly		
	Sling Assembly, Four Leg.....	61-1	61
	Sling Assembly, Four Leg.....	62-1	62
	Coupling Grooved, Quick-Disconnect, 6 In	63-1	63
Group 11	Bulk Material List.....	Bulk-1	
Section III	Special Tools List		
	Group 12.....	64-1	64
Section IV	Cross Reference Index		
	National Stock Number Index.....	I-1	
	Part Number Index	I-3	
	Figure and Item Number Index	I-15	

UNIT AND DIRECT SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST

Section I INTRODUCTION

1. **SCOPE** This RPSTL lists and authorizes spares and repair parts, special tools, special test, measurement, and diagnostic equipment (TMDE), and other special support equipment required for performance of unit and direct support maintenance of the Tactical Water Distribution Equipment System (TWDS) Set 19-Mile Segment It authorizes the requisitioning, Issue, and disposition of spares, repair parts and special tools as indicated by the source, maintenance and recoverability (SMR) codes

2. **GENERAL**. In addition to this section, Introduction, this Repair Parts and Special Tools List is divided into the following sections:

a Section II Repair Parts List A list of spares and repair parts authorized by this RPSTL for use In the performance of maintenance This list also Includes parts which must be removed for replacement of the authorized parts Parts lists are composed of functional groups In ascending alphanumeric sequence, with the parts In each group listed in ascending figure and Item number sequence Bulk materials are listed In Item name sequence Items are shown in the associated Illustration(s)/figure(s)

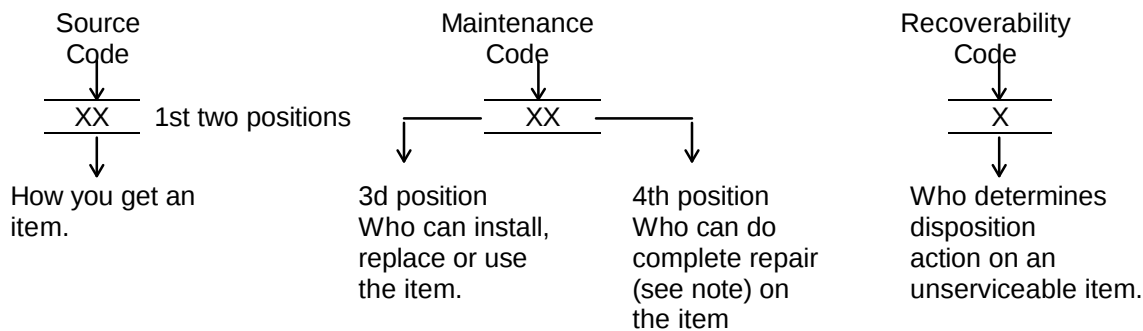
b Section III Special Tools List A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information In DESCRIPTION AND USABLE ON CODE column) for the performance of maintenance

c Section IV Cross-Reference Index A list, in National Item Identification Number (NIIN) sequence, of all National stock numbered Items appearing in the listing, followed by a list In alphanumeric sequence of all part numbers appearing In the listings National stock numbers and part numbers are cross referenced to each Illustration figure and Item number appearance The figure and Item number Index lists figure and Item numbers In alphanumeric sequence and cross references NSN, CAGEC and part number

3. **EXPLANATION OF COLUMNS (SECTIONS II AND III).**

a ITEM NO (Column (1)) Indicates the number used to identify Items called out In the Illustration

b SMR Code (Column (2)) The Source, Maintenance, and Recoverability (SMR) code Is a 5-position code containing supply/requisitioning Information, maintenance category authorization criteria, and disposition instruction, as shown In the following breakout



* Complete Repair Maintenance capacity, capability, and authority to perform all corrective maintenance tasks of the "Repair" function In a use/user environment In order to restore serviceability to a failed Item