

TECHNICAL MANUAL

**OPERATOR AND ORGANIZATIONAL
MAINTENANCE MANUAL**

**TANK, FABRIC,
COLLAPSIBLE, POL,
3,000 Gallon (11 355 Liter)
NSN 5430-00-268-8187
10,000 Gallon (37,850 Liter)
NSN 5430-00-052-3412
10,000 Gallon (37,850 Liter)
NSN 5430-00-641-8552
50,000 Gallon (189 250 Liter)
NSN 5430-00-182-8181**

This copy is a reprint which includes current
pages from Changes 1 through 11.

TECHNICAL MANUAL }
 NO. 5-5430-21012

HEADQUARTERS
 DEPARTMENT OF THE ARMY
 Washington, D.C., 30 November 1978

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NSN 5430-01-215-7525
50,000 Gallon (189,250 Liter)
NSN 5430-00-182-8181

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual If you find any mistake or if you know of way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: Commander, U.S. Army Aviation and Troop Command, ATTN: AMSAT-I-MP, 4300 Goodfellow Boulevard, St. Louis, MO 631201798. A reply will be furnished directly to you.

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TABLE OF CONTENTS

	Paragraph	Page
CHAPTER 1. INTRODUCTION		
Section I. General	1-1	1-1
II. Description and Data	1-6	1-1
CHAPTER 2. OPERATING INSTRUCTIONS		
Section I. Service Upon Receipt of Material	2-1	2-1
II. Movement to a New Worksite	2-13	2-16
III. Operation Procedures	2-14	2-17
IV. Operation Under Unusual Conditions (All Tanks)	2-17	2-18
CHAPTER 3. MAINTENANCE INSTRUCTIONS (ALL TANKS)		
Section I. Lubrication Instructions		3-1
II. Preventive Maintenance Checks and Services (PMCS)	3-1	3-1
III. Troubleshooting	3-3	3-4
IV. Maintenance Procedures (All Tanks)	3-6	3-6
APPENDIX A. References		A-1
B. Components of End Item List		B-1
C. Additional Authorization List		C-1
D. Maintenance Allocation Chart		D-1
E. Repair Parts and Special Tools List		E-1
F. Expendable Supplies and Materials List		F-1

* This manual Supersedes TM 5-5430-210-12, 30 April 1976.

LIST OF ILLUSTRATIONS

Figure	Title	Page
1-1.	Tank, Collapsible, 3,000 Gallon (11,355 Liter)	1-2
1-2.	Tank, Collapsible, 10,000 Gallon (37,850 Liter)	1-2.1
1-2.1.	Tank, Collapsible, 20,000 Gallon (75,700 Liter)	1-3
1-3.	Tank, Collapsible, 50,000 Gallon (189,250 Liter)	1-4
2-1.	Crated Assembly, 50,000 Gallon (189,250 Liter) Tank	2-2
2-1.1.	Crated Assembly, 20,000 Gallon (75,700 Liter) Tank	2-2.1
2-2.	Vent Fitting Dust Cap, All Tanks	2-4
2-3.	Vent Pipe Assembly, All Tanks	2-4
2-4.	Filler and Discharge Dust Cap, All Tanks	2-5
2-5.	Filler and Discharge Elbow, All Tanks	2-6
2-6.	Installed Drain Plug, All Tanks Except 3,000 Gallon (11,355 Liter)	2-7
2-7.	Drain Assembly, All Tanks Except 3,000 (11,355 Liter)	2-7
2-8.	Drain Control Valve, All Tanks Except 3,000 Gallon (11,355 Liter)	2-8
2-9.	Filler and Discharge Hose and Control Valve Assembly, (3,000, 20,000, and 50,000 Gallon Tank)	2-9
2-10.	Filler and Discharge Control Valve Handle, All Tanks	2-9
2-11.	Typical Layout of Hoses and Manifolds (Furnished only with 10,000 Gallon Tank Assembly)	2-10
2-12.	Filler and Discharge Valve in Open and Closed Positions, (3,000, 20,000, and 50,000 Gallon Tanks)	2-11
2-13.	Berm Construction, 3,000 Gallon (11,355 Liter) Tank	2-13
2-14.	Berm Construction, 10,000 Gallon (37,850 Liter) Tank	2-14
2-14.1	Berm Construction, 20,000 Gallon (75,700 Liter) Tank	2-14.1
2-15.	Berm Construction, 50,000 Gallon (189,250 Liter) Tank	2-15
2-16.	Typical Berm Cross Section	2-16
2-17.	Elevated Connections for Easy Leak Detection	2-19
3-1.	Installation of Sealing Clamps ,	3-11
3-2.	Installation of Wood Plug	3-12
B-1.	Vent Assembly	B-14
B-2.	Filler and Discharge Assembly	B-15
B-3.	Drain Hose Assembly	B-16
B-4.	Filler and Discharge Control Valve and Hose Assembly	B-17
B-5.	Control Valve	B-18
B-6.	Sealing Clamps and Wood Plugs	B-19

CHAPTER 1 INTRODUCTION

Section I. GENERAL

1-1. Scope. This manual covers the information and instructions necessary for the operation and maintenance of the 3,000-gallon (11,355-liter), 10,000-gallon (37,850-liter), 20,000 gallon (75,700-liter), and 50,000 gallon (189,250-liter) collapsible POL tanks.

1-2. Maintenance Forms and Records. DA forms and records used for equipment maintenance are as follows:

a DA Form 2404 (Equipment Inspection and Maintenance Worksheet).

b. DA Form 2407 (Maintenance Request used for Requesting Support Maintenance).

c. DA Form 2407-1 (Continuation Sheet used for Requesting Support Maintenance).

d. For further information, refer to DA PAM 738-750, The Army Maintenance Management system (TAMMS).

1-3. Administrative Storage. Placement of equipment in administrative storage should be for short periods of time when a shortage of maintenance effort exists. Items should be in mission readiness within 24 hours or within the time factors as determined by the directing authority. During the storage period, appropriate maintenance records will be kept

a. Storage Site.

(1) Before placing equipment in administrative storage, current maintenance services and equipment serviceable criteria (ESC) evaluations should be completed, shortcomings and deficiencies should be corrected, and all modification work orders (MWO's) should be applied.

(2) Select the best available site for administrative storage. Separate stored equipment from equipment in use. Conspicuously mark the area Administrative Storage

(3) Inside storage is preferred. When sufficient covered space is not available, priority should be given to items which are most susceptible to deterioration. If inside storage is not available, trucks, vans, conex containers, and other containers may be used.

(4) Open sites should be improved hardstand, if available. Unimproved sites should be firm, well-drained, and kept free of excessive vegetation.

b. Storage Plan.

(1) Store equipment so as to provide maximum protection from the elements and to provide access for inspect, maintenance, and exercising. Anticipate removal or deployment problems and take suitable precautions.

(2) Take into account environmental conditions, such as extreme heat or cold, high humidity, blowing sand, dust, or loose debris, soft ground, mud, heavy snows, earthquakes, or combinations thereof and take adequate precautions.

(3) Establish a fire plan and provide for adequate firefighting equipment and personnel.

1-4. Destruction of Army Material to Prevent Enemy Use.

a Demolition of Collapsible POL Tanks. Methods of destruction should achieve such damage to equipment and repair parts that it will not be possible to restore the equipment to a usable condition in the combat zone either by repair or cannibalization.

(1) Mechanical Destruction. Using an axe, pick, sledge hammer, or any heavy implement, damage the tank and all other vital parts.

(2) Fire. The tank may be destroyed by using the fuel which the tank contains to set it on fire.

b. Additional Information. For additional information on procedures for destruction of equipment to prevent enemy use, refer to TM 750-224-3.

1-5. Reporting Equipment Improvement Recommendations (EIR). EIR's will be prepared on SF Form 368. Quality Deficiency Report. Instructions for preparing EIR's should be mailed directly to Command, U. S. Army Aviation and Troop Command, ATTN: AMST-I-MDO, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. A reply will be furnished directly to you.

Section II. DESCRIPTION AND DATA

1-6. Description.

a Fuel Tank (NSN 5430-00-268-8187). The 3000-gallon (11,355-liter) tank (fig. 1-1) is used for the storage of petroleum based fuels. The unit consists of the

collapsible tank, complete with one filler/discharge assembly with elbow, a vent fitting assembly with relief valve, a fair-foot (1.219-meter) filler/discharge hose assembly with control valve, a 4-inch (10.16 cm) female to 3-inch (7.62 cm) male reducer and emergency repair items.

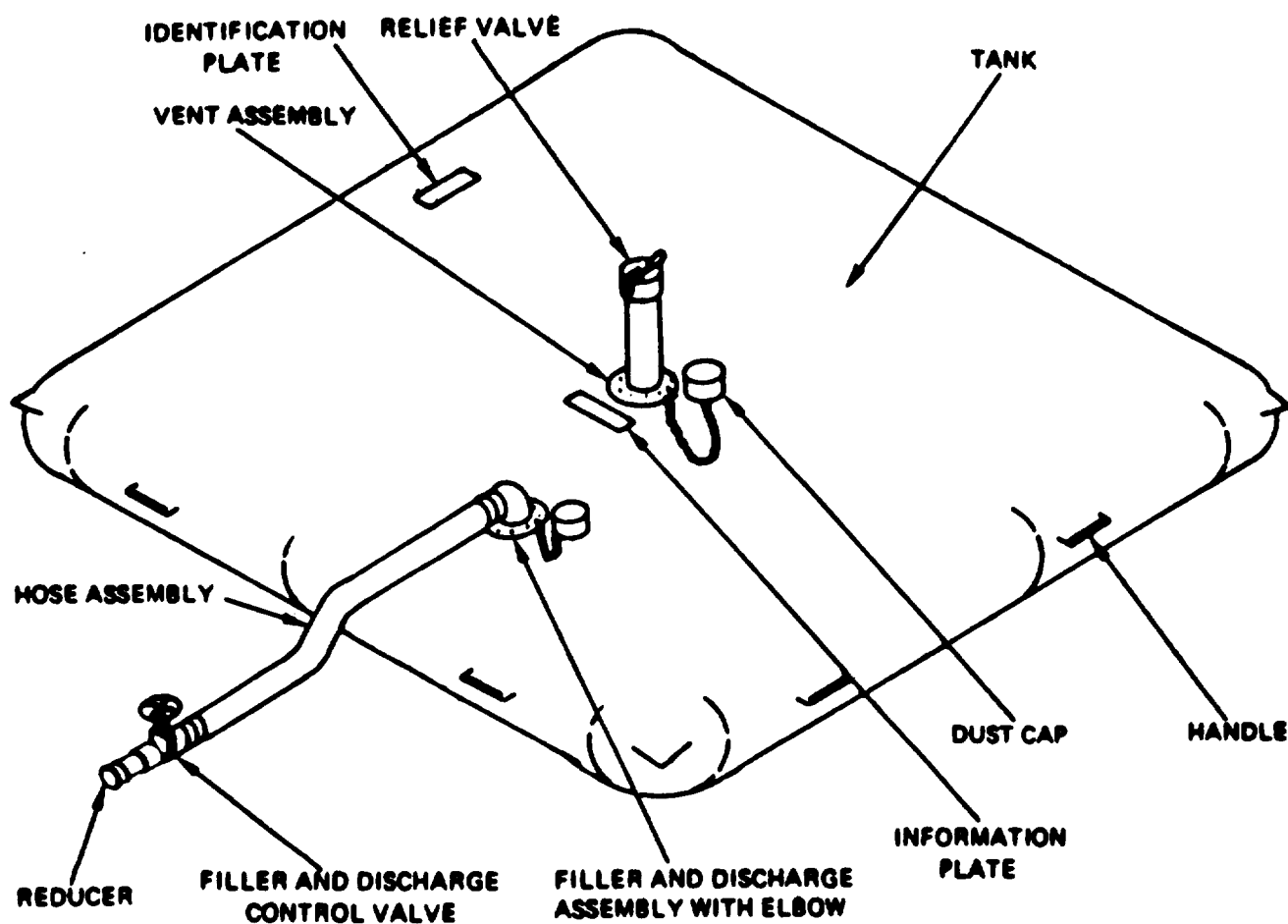


Figure 1-1. Tank, Collapsible, 3,000 Gallon (11,355Liter).

b. Fuel Tank (NSN 5430-00-052-3412). The 10,000-gallon (37,850-liter) tank (fig. 1-2) is used for storage of petroleum based fuels. The unit consists of the collapsible tank, complete with one filler/discharge assembly with elbow, a vent fitting assembly with relief valve, a drain fitting assembly with a six-foot (1.82 meter) drain hose with control valve, an aluminum storage chest or wooden box and emergency repair items.

c. Fuel Tank (NSN 5430-00-641-8552). The 10,000-gallon (37,850-liter) tank assembly (fig. 1-2) is used for the storage of petroleum based fuels. The unit consists of the collapsible tank, complete with one filler/discharge assembly with elbow, a vent fitting assembly with relief valve, eight 10-foot (3.048-meter) filler/discharge hose assemblies, numerous adapters, coupling halves, nipples, reducers and manifolds, an aluminum storage chest or wooden box and emergency repair items.

NOTE

When the Basic Fuel Tank, issued under LIN V12552, NSN 5430-00-641-8552, becomes unserviceable, replacement requisitions should be submitted for fuel tank, NSN 5430-00-052-3412. The accessory items issued with NSN 5430-00-641-8552 should be retained and should not be turned in when only the Collapsible Tank itself is unserviceable. These accessories should be retained for use with the replacement tank (NSN 5430-00-052-3412) as this tank is not issued with all of the accessories that come with the tank assembly issued under LIN V12552. Replacement tanks will be issued in wooden boxes only. The aluminum chest may be requisitioned at unit level for storage, if desired.