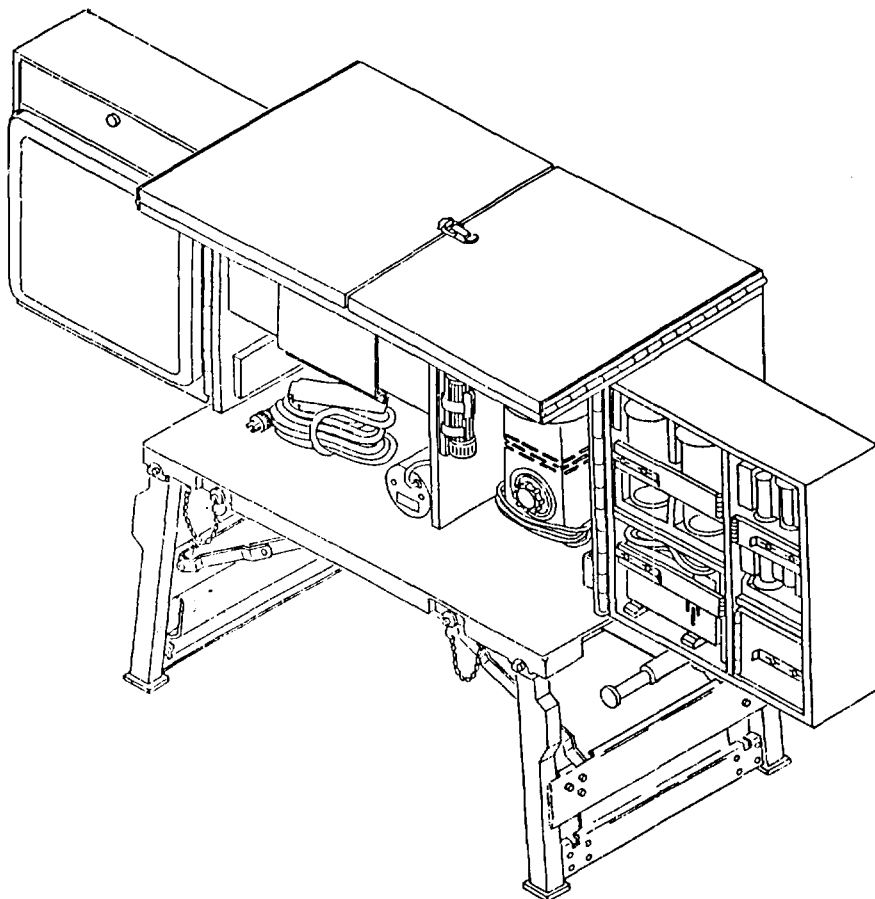


TECHNICAL MANUAL

**OPERATOR'S, UNIT AND DIRECT
SUPPORT MAINTENANCE MANUAL
INCLUDING REPAIR PARTS AND
SPECIAL TOOLS LIST
FOR
GROUND FUELS PETROLEUM TEST KIT
MODEL PTK-200**

NSN: 6630-00-310-8564 (EIC: FHN)



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Distribution Statement A: Approved for public release distribution is unlimited.

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MANUAL HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, D. C. 18 January 1994

OPERATOR'S, UNIT AND DIRECT SUPPORT
MAINTENANCE MANUAL INCLUDING REPAIR
PARTS AND SPECIAL TOOLS LIST (RPSTL)
for
GROUND FUELS PETROLEUM TEST KIT
MODEL PTK-200
NSN 6630-00-310-8564 (EIC: FHN)

(Current as of 3 October 1996)

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 these 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-MP, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. You may also submit your recommended changes by E-mail directly to <mpmt%oavma28. St-Louis-emh7.army.mil>. A reply will be furnished directly to you. Instructions for sending an electronic 2028 may be found at the back1 of this manual immediately preceding the hard copy 2028.

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HOW TO USE THIS MANUAL

Be sure to read all Warnings before using your equipment.

This manual contains operating and maintenance instructions for operation and maintenance of the Ground Fuels Petroleum Test Kit (Test Kit)

- Chapter 1- Introduces you to the equipment and gives you information such as weight, height, length, generally used abbreviations and information on how the system works. The chapter is preceded by a full page illustration of the equipment.
- Chapter 2- Provides information necessary to identify and use the equipment's operating controls. Operating instructions in this chapter tell you how to use the equipment in both usual and unusual weather conditions. In addition, preventive maintenance instructions provide information needed to inspect and service the Test Kit.
- Chapter 3- Provides troubleshooting and maintenance procedures needed by the Operator to identify and correct equipment malfunctions. Only tasks authorized by the MAC for operator repair are contained in this chapter.
- Chapter 4- Provides unit maintenance personnel with troubleshooting procedures for identifying equipment malfunctions and maintenance instructions for repairing defective equipment
- Chapter 5- Provides direct support maintenance personnel with maintenance instructions for performing repairs on equipment as authorized by the maintenance allocation chart.
- Appendix A- Provides a list of frequently used forms and publications referenced or used in this manual.
- Appendix B - The Maintenance allocation chart identifies repairable components and the maintenance level authorized to perform the repairs.
- Appendix C - The Repair Parts and Special Tools List (RPSTL) contains illustrations and parts lists that are used to locate and identify replacement and repair parts.
- Appendix D - Lists components that are not mounted on the equipment, but are required to make the unit functional. All components in the Components of End Item (COEI) and Basic Issue Items Lists (BII) are illustrated for easy identification.
- Appendix E - Lists additional equipment authorized for your unit for use with the Test Kit, but are not supplied as part of system. This equipment list may include fire extinguishers, buckets, protective clothing etc.
- Appendix F - Provides you with information about expendable supplies such as sealants, lubricants, chemicals etc. that are used when operating or maintaining the equipment.
- Appendix G - Contains lubrication instructions that are required to keep the equipment in good working condition.

HOW TO USE THIS MANUAL - cont.

- Appendix H - Provides a list of items and instructions on how to make certain tools and devices required to perform some of the maintenance tasks contained in this manual.

Appendix I - Provides a table of torque values for various sizes of nuts and bolts.

- Appendix J - Lists parts that must be replaced when performing maintenance on components of the Test Kit. This list includes such things as gaskets, lockwashers and seals.

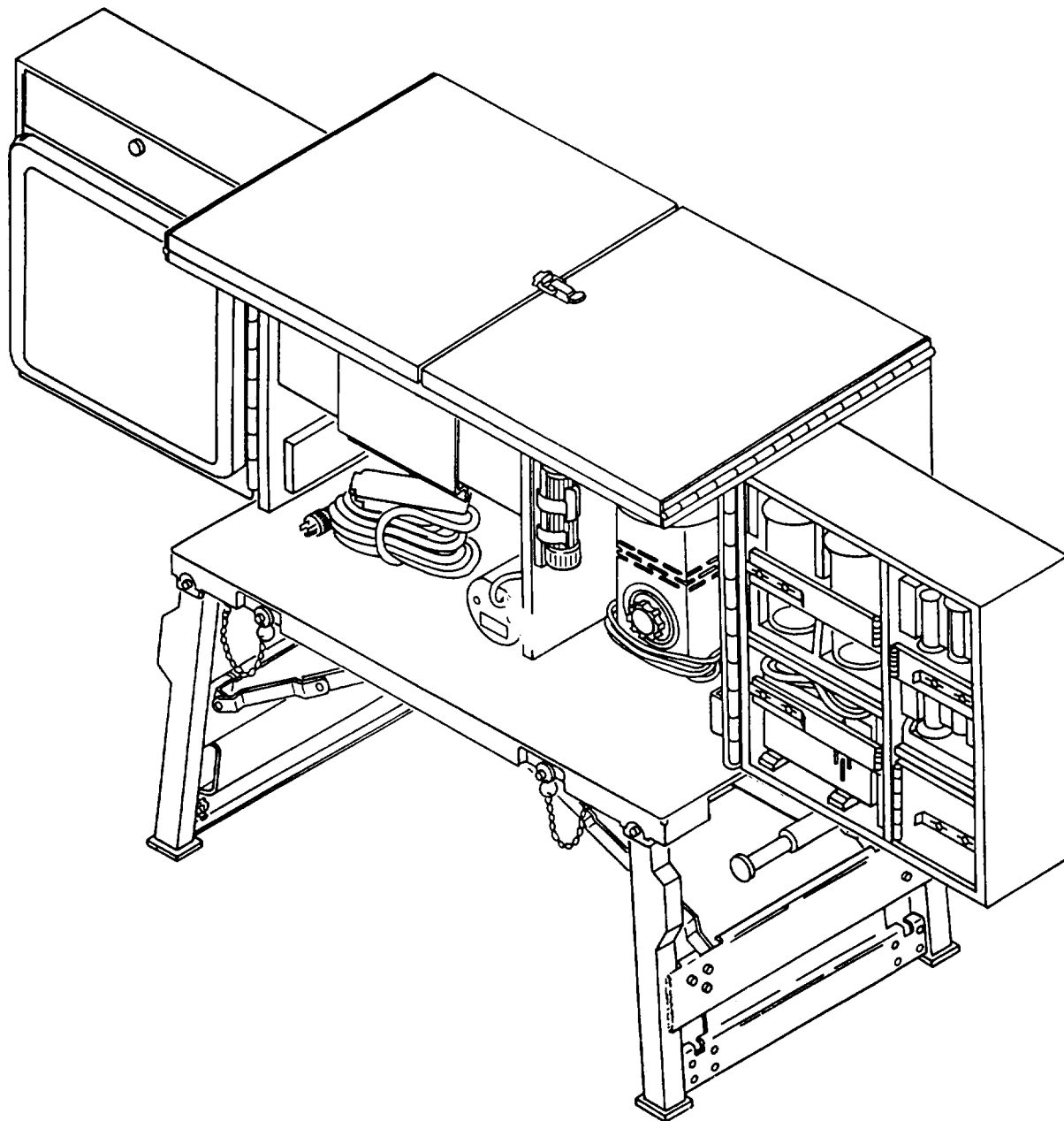


Figure 1-0. Ground Fuels Petroleum Test Kit.

CHAPTER 1

INTRODUCTION

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Section I. GENERAL INFORMATION

1-1. SCOPE.

This manual contains Operating instructions, Unit and Direct Support maintenance instructions required to operate and maintain the Ground Fuels Petroleum Test Kit (Test Kit), Model PTK-200.

1-2. MAINTENANCE FORMS AND PROCEDURES.

Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA Pam 738-750 (The Army Maintenance Management System (TAMMS)).

1-3. CORROSION PREVENTION AND CONTROL.

- a. Corrosion Prevention and Control (CPC) of Army Materiel is a continuing concern. It is important that any corrosion problems with this item be reported so that the problem can be corrected and improvements can be made to prevent the problem in future items.
- b. While corrosion is typically associated with rusting of metals, it can also include deterioration of other materials, such as rubber and plastic. Unusual cracking, softening, swelling or breaking of the materials may be a corrosion problem.
- c. If a corrosion problem is identified, it can be reported using Standard Form 368, Product Quality Deficiency Report. Using key words such as "rust", "deterioration", or "cracking" will insure that the information is identified as a CPC problem. The form should be submitted to the address specified in DA Pam 738-750.