

TM 55-8145-221-14&P

TECHNICAL MANUAL

OPERATOR'S, UNIT, DIRECT SUPPORT

AND GENERAL SUPPORT

MAINTENANCE MANUAL

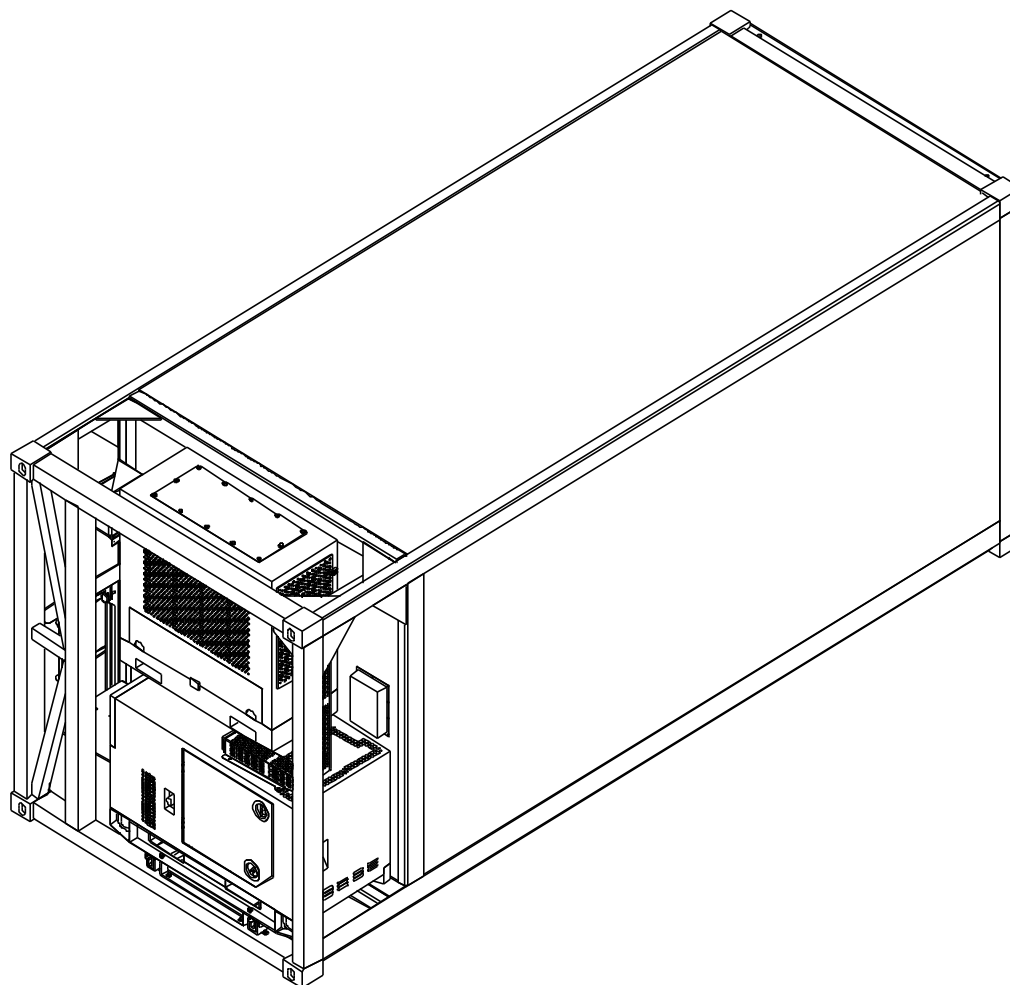
(INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST)

FOR

REFRIGERATED CONTAINER SYSTEM

MODEL RCS800

NSN: 8145-01-471-3557



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HEADQUARTERS, DEPARTMENT OF THE ARMY

21 JUNE 2000

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HOW TO USE THIS MANUAL

This manual is divided into Work Packages (WP). Each WP is an independent, task-oriented unit. Only essential information is provided. WPs cover the subjects of theory of operation, operating instructions, troubleshooting, preventative maintenance checks and maintenance instructions. The Table of Contents provides a complete list of chapters and WPs. The WPs are arranged in disassembly sequence. Each maintenance WP lists the tasks covered, initial set-up requirements, tools required, equipment conditions, reference materials and material/parts required. Maintenance procedures are integrated with illustrations.

To locate information, refer to the table of contents in the front of the TM or the Index in the rear of the TM. References to paragraphs, tables or figures within a TM are made by numbers, e.g. paragraph 7, table 2, or Figure 3. A reference to another WP merely includes the WP number, e.g. WP 0003 00. To find a particular procedure or topic, it is necessary to refer to that WP.

To find a particular part for replacement, it will be necessary to use the RPSTL section of the TM (also known as the Illustrated Parts Breakdown). Detailed instructions for use of the RPSTL are found in WP 0049 00.

CHAPTER 1

INTRODUCTORY INFORMATION
WITH
THEORY OF OPERATION

FOR

REFRIGERATED CONTAINER SYSTEM

REFRIGERATED CONTAINER SYSTEM
GENERAL INFORMATION

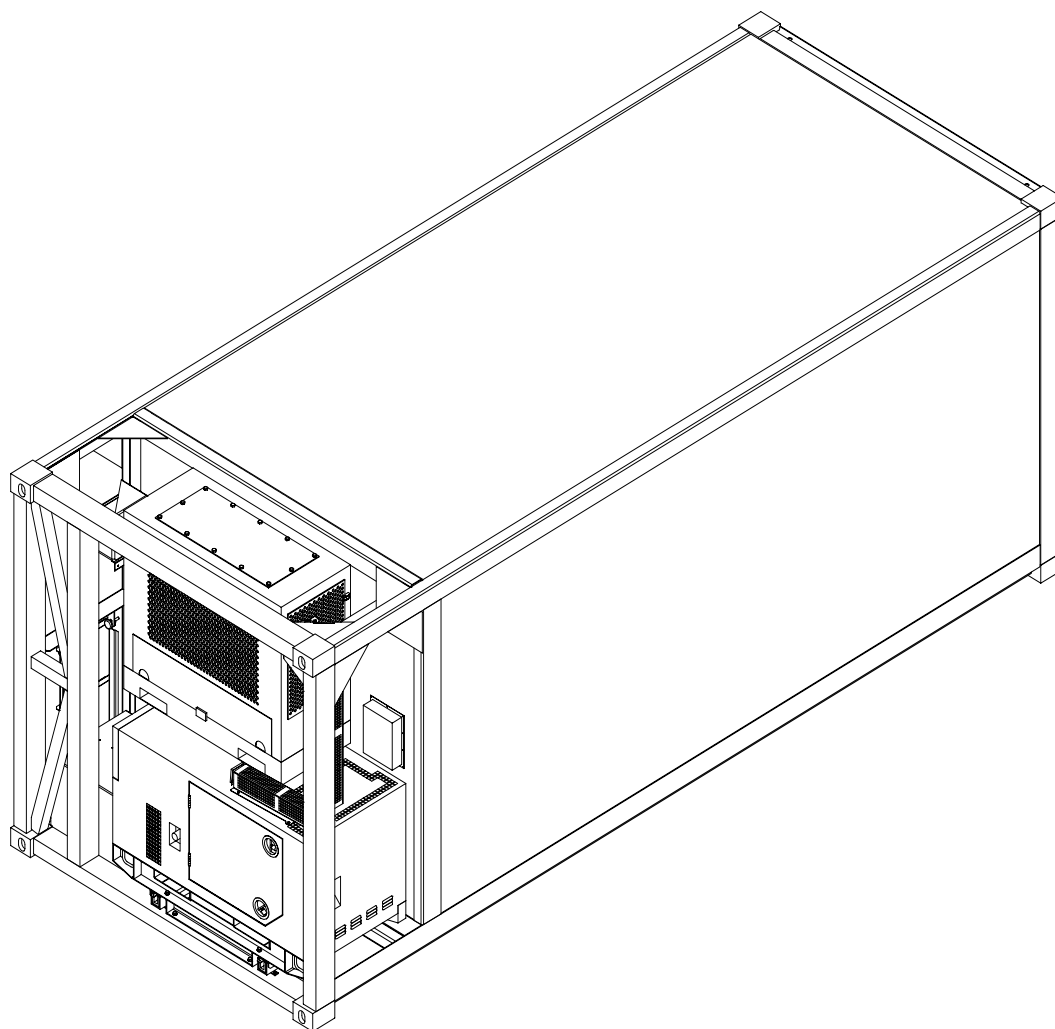
0001 00**SCOPE.**

This manual covers Operating Instructions and Unit, Direct Support, and General Support maintenance procedures required to operate and maintain the Refrigerated Container System, Model RCS800. The refrigerated container system is designed to be used with the Refrigeration Unit, Model F9000RE, and the Generator Set, Model MEP-803A, mounted on the container frame. Operation, service and limited maintenance for the generator set and refrigeration unit are also covered in this manual.

Type of Manual: Operator's, Unit, Direct Support Maintenance Manual.

Model Number and Equipment Names: Container System, Refrigerated, Model RCS800.

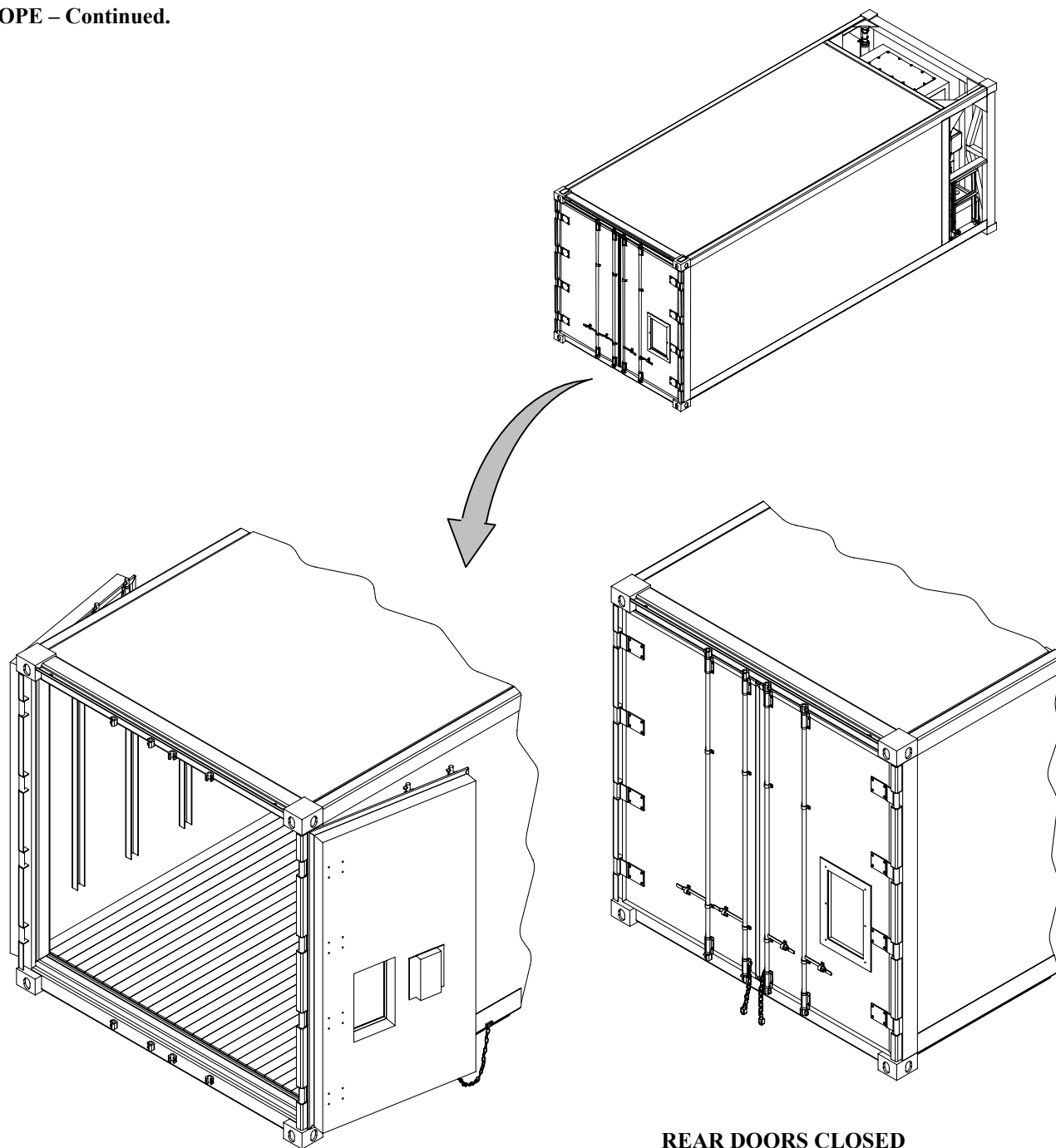
Purpose of Equipment: The refrigerated container system provides storage and transport of perishable material.

**FRONT / ROAD SIDE VIEW**

REFRIGERATED CONTAINER SYSTEM
GENERAL INFORMATION – Continued

0001 00

SCOPE – Continued.



REAR DOORS OPEN

REAR DOORS CLOSED

CURB SIDE VIEW

REFRIGERATED CONTAINER SYSTEM
GENERAL INFORMATION – Continued

0001 00

MAINTENANCE FORMS, RECORDS, AND REPORTS.

Department of the Army Forms and procedures used for equipment maintenance will be those prescribed by (AS APPLICABLE) DA Pam 738-750, Functional Users Manual for the Army Maintenance Management System (TAMMS); DA PAM 738-751, Functional Users Manual for the Army Maintenance Management System – Aviation (TAMMS-A); or AR 700-138, Army Logistics Readiness and Sustainability.

REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR's).

If your container needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design or performance. Put it on a SF 368 (Quality Deficiency Report). Mail it directly to: Commander, U.S. Army Soldier and Biological Chemical Command, ATTN: AMSSB-RIM-E(N), Kansas Street, Natick, MA, 01760-5052. You may also send in your recommended changes by e-mail directly to <amssb-rim-e@natick.army.mil>. A reply will be furnished directly to you.

CORROSION PREVENTION AND CONTROL.

Corrosion Prevention and Control (CPC) of Army Material 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.

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.

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, Functional Users Manual for the Army Maintenance Management System (TAMMS).

DESTRUCTION OF ARMY MATERIAL TO PREVENT ENEMY USE.

Methods and procedures for destruction of Army material to prevent enemy use are covered in TM 750-244-3.

PREPARATION FOR STORAGE OR SHIPMENT.

Preparation for shipping or storage procedures, including packaging and administrative storage, is found in Unit Maintenance instructions work package WP 0017 00.

WARRANTY INFORMATION.

The Refrigerated Container is not warranted.