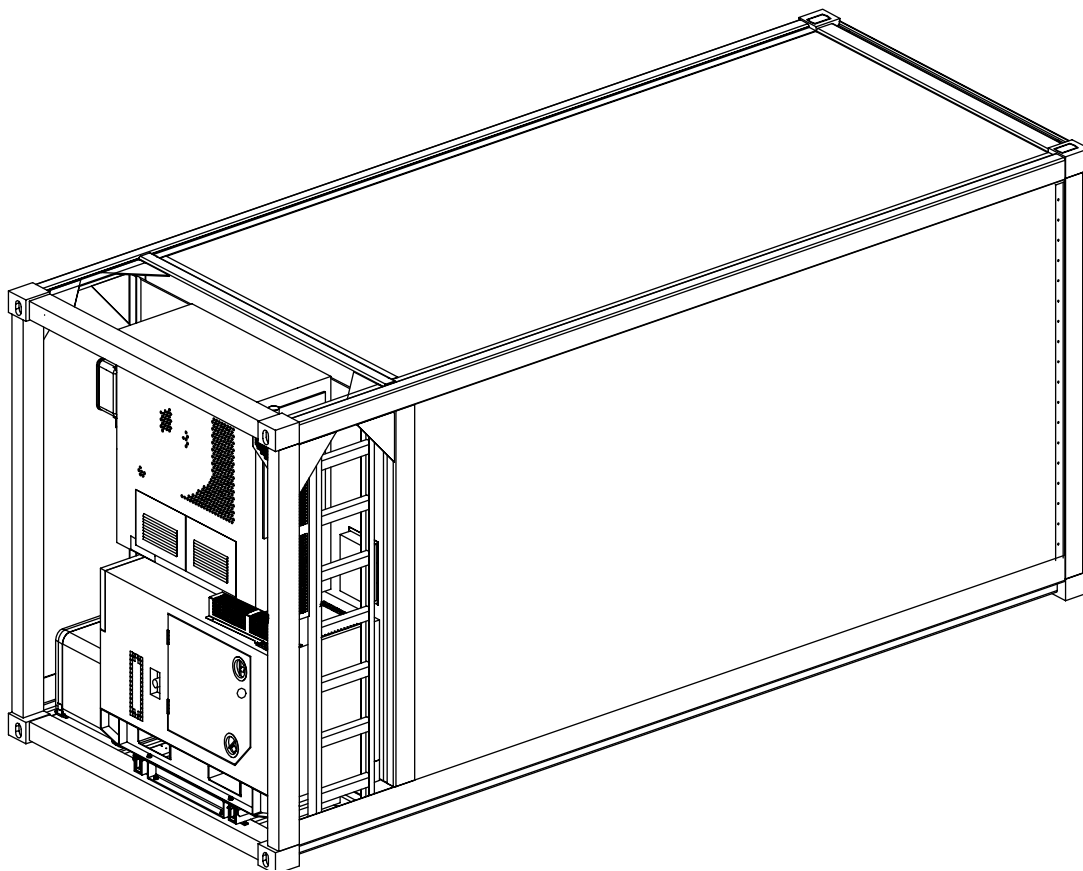


**TECHNICAL MANUAL
OPERATOR, ORGANIZATIONAL, DIRECT
AND GENERAL SUPPORT MAINTENANCE MANUAL
FOR
CONTAINER, REFRIGERATED
MODEL SC209
NSN: 8115-01-016-5909**



HEADQUARTERS, DEPARTMENT OF THE ARMY

TECHNICAL MANUAL

NO. TM 55-8115-202-14

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DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 10 AUGUST 1979

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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 Tank-automotive & Armament Command, ATTN: AMSTA-LC-CECT, Kansas St., Natick, MA 01760. You may also submit your recommended changes by E-mail directly to: <amssbriml@natick.army.mil>. A reply will be furnished directly to you. Instructions for sending electronic 2028 may be found at the back of this manual immediately preceding the hard copy 2028.

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CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. Scope.

This manual contains instructions for the operator, organizational, direct and general support maintenance personnel maintaining the Refrigerated Container, American Air Filter Model SC209.

1-2. Maintenance Forms and Records.

Maintenance forms and records that you' re required to use are explained in DA PAM 738-750.

1-3. Hand Receipt.

Hand receipts for Components of End Item (COEI), Basic Issue Items (BII), and Additional Authorization List (AAL) items are published in a Hand Receipt Manual, TM 55-8115-202-10HR. This

manual is published to aid in property accountability and is available through: Commander, U.S. Army Adjutant General Publication Center, 2800 Eastern Boulevard, Baltimore, MD 21220-2896.

1-4. Equipment Serviceability Criteria.

This equipment is not covered by an ESC.

1-5. Destruction of Equipment to Prevent Enemy Use.

Refer to TM 750-244-3.

1-6. Administrative Storage.

Refer to TB 740-97-2 and TM 740-90-1.

Section II. DESCRIPTION AND DATA

1-7. Description.

a. Characteristics. The refrigerated container consists of framed, insulated box with a self-contained refrigeration unit and generator set as shown in Figures 1-1, 1-2, and 1-3. A temperature recorder (Figure 1-1) and an auxiliary fuel tank (Figure 1-1) are mounted near the right front corner. Fittings at the top and bottom of each corner provide points for lifting, stacking, and locking.

One spacer block (Figure 1-1) comes with each container for use when shipping two containers in tandem on a MILVAN semi-trailer chassis. The container has a switch controlled light (100W), and a ribbed floor and wall spacer strips which provide airflow channels. A vertical ladder and a short fold-down ladder section are mounted inside the box frame left front corner, and are used by personnel for access to the equipment and the roof of the container. The right door contains an emergency escape door (small hatch) which can be opened by personnel inside the refrigerated container. A slide assembly is located in the front of the container which provides a means for ease of servicing and maintaining the generator set. It also provides ease of removal and installation of the generator set from the refrigerated

container. The refrigeration unit is a self-contained, packaged unit that attaches to the front wall of the container. This unit will stabilize internal temperatures by refrigerating or heating, and operates from any 208-volt, three phase, four wire, 60 Hz power source. The generator set is a Tactical Quiet Generator (TQG), 10-kW, 60 Hz, Diesel Driven, Model MEP-803A, NSN 6115-01-275-5061. It is a self-contained, skid-mounted set, and provides electrical power to operate the refrigeration unit and the 100W interior light.

b. Capabilities. The refrigerated container can be stacked or connected in tandem for transporting and storage. With the refrigeration unit operating, the refrigerated container can maintain internal set-point temperatures of 0°F to 40°F in an ambient temperature of 100°F and 40°F in ambient to -40°F, with a full load of pre-cooled supplies. The modes of transport are limited to road, rail and sea. The methods for handling, securing and storing must be compatible with the design requirements prescribed in MIL-C-52788 and companion standards.