

TECHNICAL MANUAL

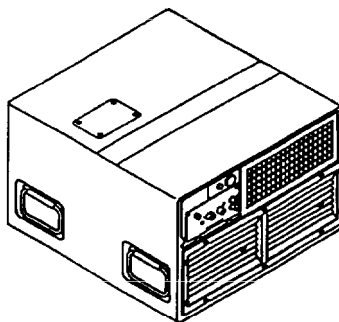
**OPERATOR'S, UNIT, DIRECT SUPPORT AND
GENERAL SUPPORT MAINTENANCE MANUAL
INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST**

FOR

**AIR CONDITIONER
HORIZONTAL, COMPACT,
9,000 BTU/HR,
115 VOLT**

**SINGLE PHASE
50/60 HERTZ**

**PART NO. S8450-9KC-1H
(NSN 4120-01-456-6954) (EIC: N/A)**



Approved for public release; distribution is unlimited.

**HEADQUARTERS, DEPARTMENT OF THE ARMY
1 FEBRUARY 2000**

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GENERAL SUPPORT MAINTENANCE MANUAL
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(NSN 4120-01-456-6954) (EIC: N/A)****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 back of this manual direct to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: AMSEL-LC-LEO-D-CS-CFO, Fort Monmouth, New Jersey 07703-5000. The fax number is 732-532-1413, DSN 992-1413. You may also e-mail your recommendations to AMSEL-LC-LEO-PUBS-CHG @cecom3.monmouth.army.mil

In any case, we will send you a reply.

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CHAPTER 1

INTRODUCTION INFORMATION WITH THEORY OF OPERATION

**AIR CONDITIONER, COMPACT, HORIZONTAL
GENERAL INFORMATION**

0001-00

SCOPE

This technical manual contains instructions for operation, checks, and adjustments, and corrective maintenance for the S8450-9KC-1H Compact Horizontal Air Conditioner.

Type of Manual: Operator, Unit, Direct and General Support Maintenance Including Repair Parts and Special Tools List.

Part Number and Equipment Names: S8450-9KC-1H

Air Conditioner, Compact, Horizontal, 9,000 BTU/HR, 115 Volt, Single Phase, 50/60 Hertz.

Purpose of Equipment: The air conditioner is used primarily in van type enclosures to provide filtered, cooled or heated air, as required to maintain the service conditions necessary for the efficient operation of electronic equipment in the vans. The air conditioner also provides for the comfort of operating personnel housed within the vans.

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 738-75 1, Functional Users Manual for the Army Maintenance Management Systems - Aviation (TAMMS-A); or AR 700-138, Army Logistics Readiness and Sustainability.

REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR)

If your 9K air conditioner 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 an SF 368 (Product Quality Deficiency Report). Mail it to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: AMSEL-LC-LEO-D-CS-CFO, Fort Monmouth, New Jersey 07703-5000. The fax number is 908-532-1413, DSN 992-1413. You may also e-mail your recommendations to AMSEL-LC-LEO-PUBS-CHG@cecom3.monmouth.army.mil. We'll send you a reply.

CORROSION PREVENTION AND CONTROL (CPC)

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 these materials may be a corrosion problem.

If a corrosion problem is identified, it can be reported using SF 368, Product Quality Deficiency Report. Use of key words such as "corrosion," "rust," "deterioration," or "cracking" will ensure 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).

**AIR CONDITIONER, COMPACT, HORIZONTAL
GENERAL INFORMATION - Continued**

0001-00

DESTRUCTION OF ARMY MATERIAL TO PREVENT ENEMY USE

Refer to TM 750-244-3, Procedures for Destruction of Equipment to Prevent Enemy Use, for information about destruction.

PREPARATION FOR STORAGE AND SHIPMENT**Short Term Storage**

1. Disconnect power supply and remove from shelter.
2. Make sure unit is clean and dry.
3. Close all louvers and grilles.
4. Unroll canvas cover and snap into place.
5. Store in the operating (upright) position.

Long Term Storage

1. Disconnect power supply and remove from shelter.
2. Make sure unit is clean and dry. Blow-out condensate drains.
3. Close all louvers and grilles.
4. Unroll canvas cover and snap into place.
5. Package all hardware, cable connectors, technical manuals, etc. in a cushioned protective sack. Staple shut and secure to unit.

NOTE

Wrap cable connectors in cushioning material before packaging.

6. Seal all openings with polyethylene film and 1/2 inch pressure sensitive tape.
7. Cover the entire unit with a polyethylene film shroud and secure with 1/2 inch pressure sensitive tape.
8. Store air conditioner in a dry, dust-free space and in the operating (upright) position.
9. Storage of the air conditioner will be in accordance with TM 740-90-1, Administrative Storage of Equipment.

AIR CONDITIONER, COMPACT, HORIZONTAL
GENERAL INFORMATION - Continued

0001-00

