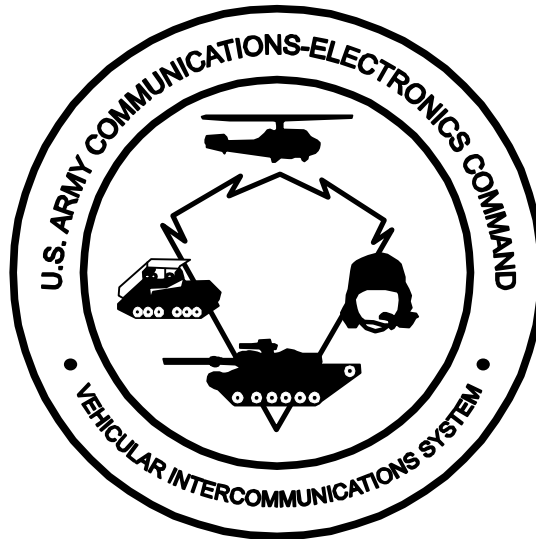


TECHNICAL MANUAL
UNIT MAINTENANCE MANUAL
(INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST)



**INTERCOMMUNICATION SET, VEHICULAR
AN/VIC-3(V), INCLUDING:**

Control, Indicator CD-82/VRC

(NSN 5895-01-382-3221) (EIC: NA)

Control, Intercommunication Set C-12357/VRC

(NSN 5830-01-382-3218) (EIC: NA)

Control, Intercommunication Set C-12358/VRC

(NSN 5830-01-382-3209) (EIC: NA)

Interface Unit, Communication Equipment C-12359/VRC

(NSN 5895-01-382-3220) (EIC: NA)

Loudspeaker, Permanent Magnet LS-688/VRC

(NSN 5965-01-382-3222) (EIC: NA)

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HEADQUARTERS, DEPARTMENT OF THE ARMY

1 APRIL 2000

Technical Manual

TM 11-5830-263-20&P

Headquarters
Department of the Army
Washington, D. C., 1 April 2000

UNIT MAINTENANCE MANUAL
(Including Repair Parts and Special Tools List)
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INTERFACE UNIT, COMMUNICATION EQUIPMENT C-12359/VRC
(NSN 5895-01-382-3220) (EIC: NA)
LOUDSPEAKER, PERMANENT MAGNET LS-688/VRC
(NSN 5965-01-382-3222) (EIC: NA)

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 07703-5007. 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 either case a reply will be furnished direct to you.

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HOW TO USE THIS MANUAL

LOCATING INFORMATION

TABLE OF CONTENTS. Refer to the Table of Contents to find out where information can be found. The Table of Contents lists each chapter title and section heading.

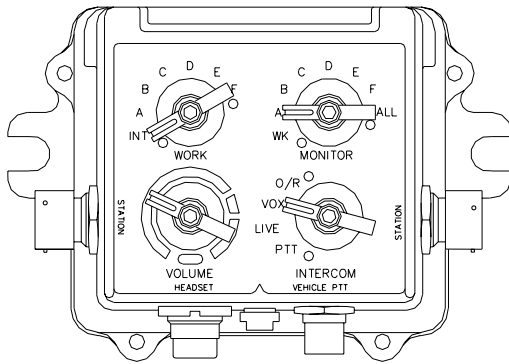
GLOSSARY. Refer to the glossary in Appendix G in the back of this manual to find the meaning of an unfamiliar term.

ABBREVIATIONS. Refer to the list of abbreviations in Appendix G in the back of this manual to find the term associated with an unfamiliar abbreviation.

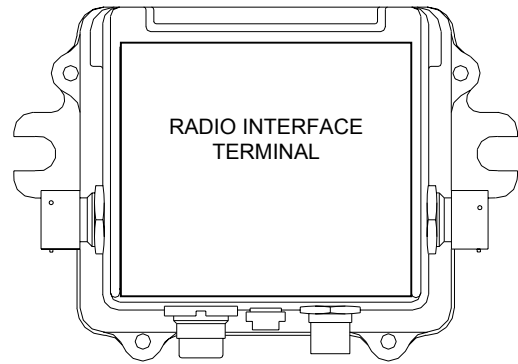
NOMENCLATURE CROSS-REFERENCE LIST. Refer to Tables 1-1 and 1-2 to find common names and official nomenclature.

OPERATIONAL NOTES

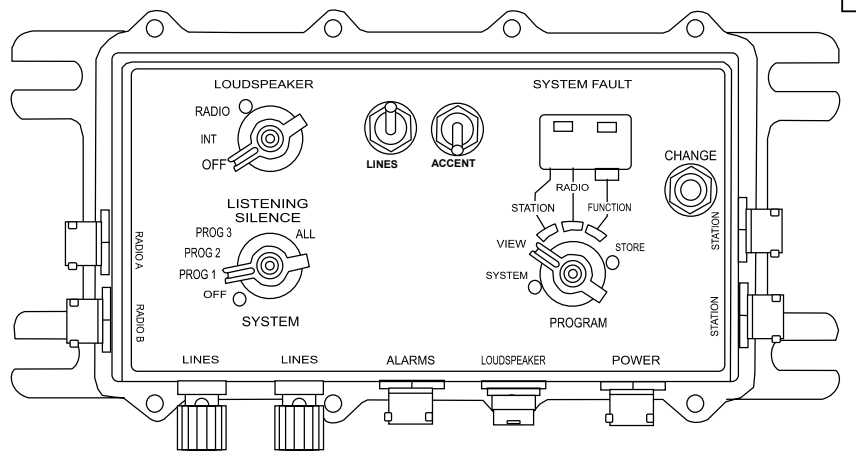
WARNING PAGES are at the beginning of this manual. You should learn the warnings before doing maintenance on the equipment. Always follow appropriate safety procedures and precautions.



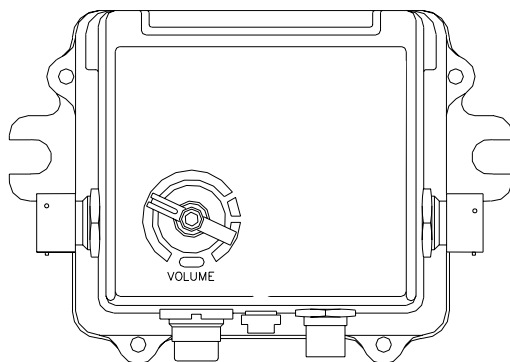
FULL FUNCTION CREW STATION



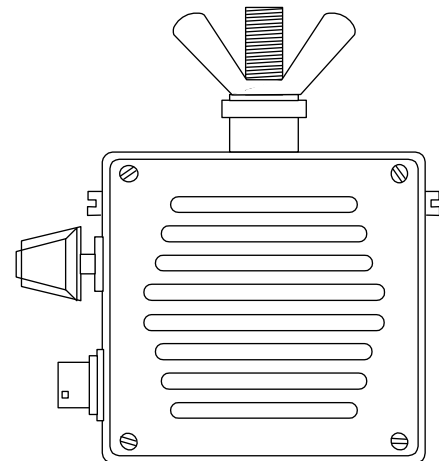
RADIO INTERFACE TERMINAL



MASTER CONTROL STATION



MONITOR ONLY STATION



LOUDSPEAKER

Figure 1-1. AN/VIC-3(V) Line Replaceable Units

CHAPTER 1

INTRODUCTION

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SECTION I GENERAL INFORMATION

1.1. SCOPE

This technical manual contains instructions for troubleshooting and corrective maintenance for the AN/VIC-3, Vehicular Intercommunication Set, commonly known as the Vehicular Intercommunication Set (VIS), as well as a "Repair Parts and Special Tools List" Appendix listing the parts required to maintain the equipment.

- a. Type of manual: Unit Maintenance Manual (Including Repair Parts and Special Tools List).
- b. Model Number and Equipment Name: The official nomenclature is the AN/VIC-3(V) Intercommunication Set, Vehicular, with its common name being the Vehicular Intercommunication Set (VIS). There are many current and future variations of this system designed for specific vehicles and/or platforms, each with its own unique technical bulletin for installation. Refer to Table 1 -1 (at the end of this section) for the VIS version, vehicle /platform it's installed in, and the corresponding installation technical bulletin. These vehicle/platform specific variations have meaning only to the installation team as the system loses its identity when installed. Any vehicle/platform that has this system installed is referred to as having the VIS or "VIC-3"(AN/VIC-3(V)).
- c. Purpose of Equipment: The AN/VIC-3(V) is an intercommunication and radio-control system designed for ground mobile combat vehicles. Digital audio enhances speech quality and intelligibility. Headsets that incorporate active noise reduction (ANR) circuitry increase the effectiveness of vehicle communications. They offer increased hearing protection in the noisy environment of combat vehicles.
- d. Equipment Components. The AN/VIC-3(V) or VIS is a variety of installation kits designed for specific vehicles and/or platforms. The VIS is designed to replace the AN/VIC-1, in some cases utilizing the existing mounting hardware and brackets used by the AN/VIC-1. Kits consist of the following components, the type and quantity of which vary depending upon the specific vehicle and/or platform: Line Replaceable Units (LRUs (Boxes)) (Figure 1-1); cables (highway, power, alarm, etc.); headsets; brackets; and mounting hardware for securing LRUs and brackets. The RPSTL (Appendix C) of this manual only identifies the mounting hardware that is removed and replaced as part of the maintenance procedures associated with the VIS. If the bracket, and/or mounting hardware used to secure it, need replacing, refer to the appropriate installation technical bulletin, Table 1-1, to identify the correct Part Number (PN) / National Stock Number (NSN).