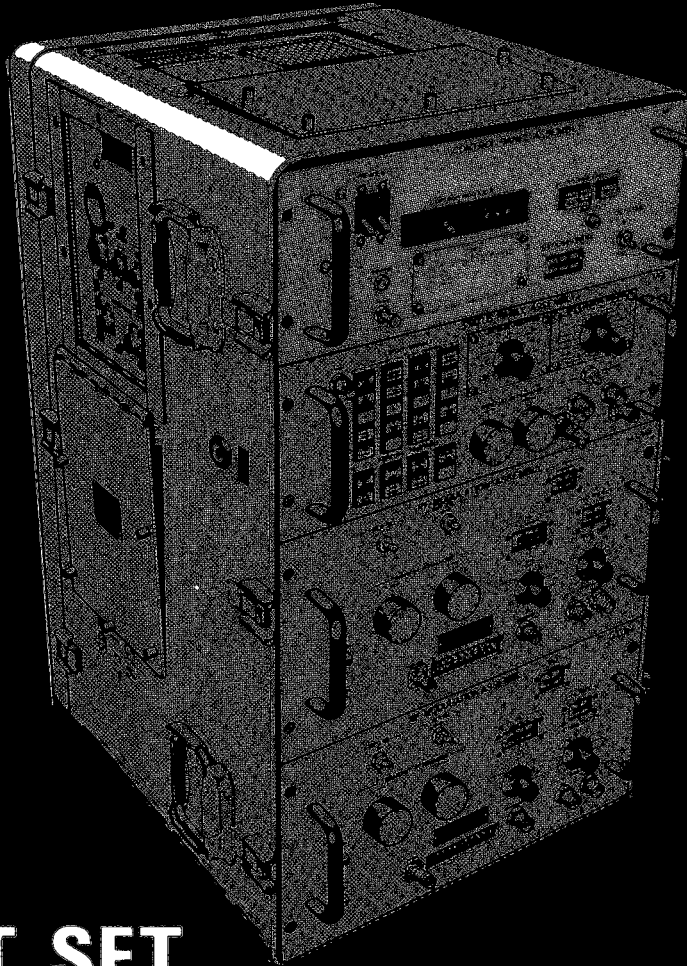


AVIATION INTERMEDIATE MAINTENANCE MANUAL



**TEST SET,
COUNTERMEASURES SET
TS-3615/ALQ-136(V)
(NSN 6625-01-121-8984)**

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REPORTING OF 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 direct to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: DRSEL-ME-MP, Fort Monmouth, New Jersey 07703.

For Navy, submit comments on OPNAV 4790/66 (Technical Publications Deficiency Report) to the Commander, Naval Air Technical Services Facility, ATTN: Code 04, 700 Robbins Avenue, Philadelphia, Pennsylvania 19111.

In either case, a reply will be furnished direct to you.

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HOW TO USE THIS MANUAL

This manual tells you about maintaining the TS-3615/ALQ-136(V) Bench Test Set (BTS) at the Aviation Intermediate Maintenance (AVIM) Level. Aviation intermediate maintenance procedures for testing Countermeasures Set AN/ALQ-136(V)1 utilizing the BTS are described in TM-11-5865-202-30. AVIM procedures for testing the Flight Line Test Set (FLTS) TS-3614/ALQ-136(V) utilizing the BTS are described in TM-11-6625-2885-30. Relevant classified information will be found in TM-11-5865-202-30 appendix C. Repair parts and special tools required to perform AVIM on the BTS are listed in TM 11-6625-2884-20P.

Operating instructions and Aviation Unit Maintenance (AVUM) instructions for the TS-3615/ALQ-136(V) bench test set are described in TM-11-6625-2884-12. The AVUM manual also contains the maintenance allocation chart (MAC).

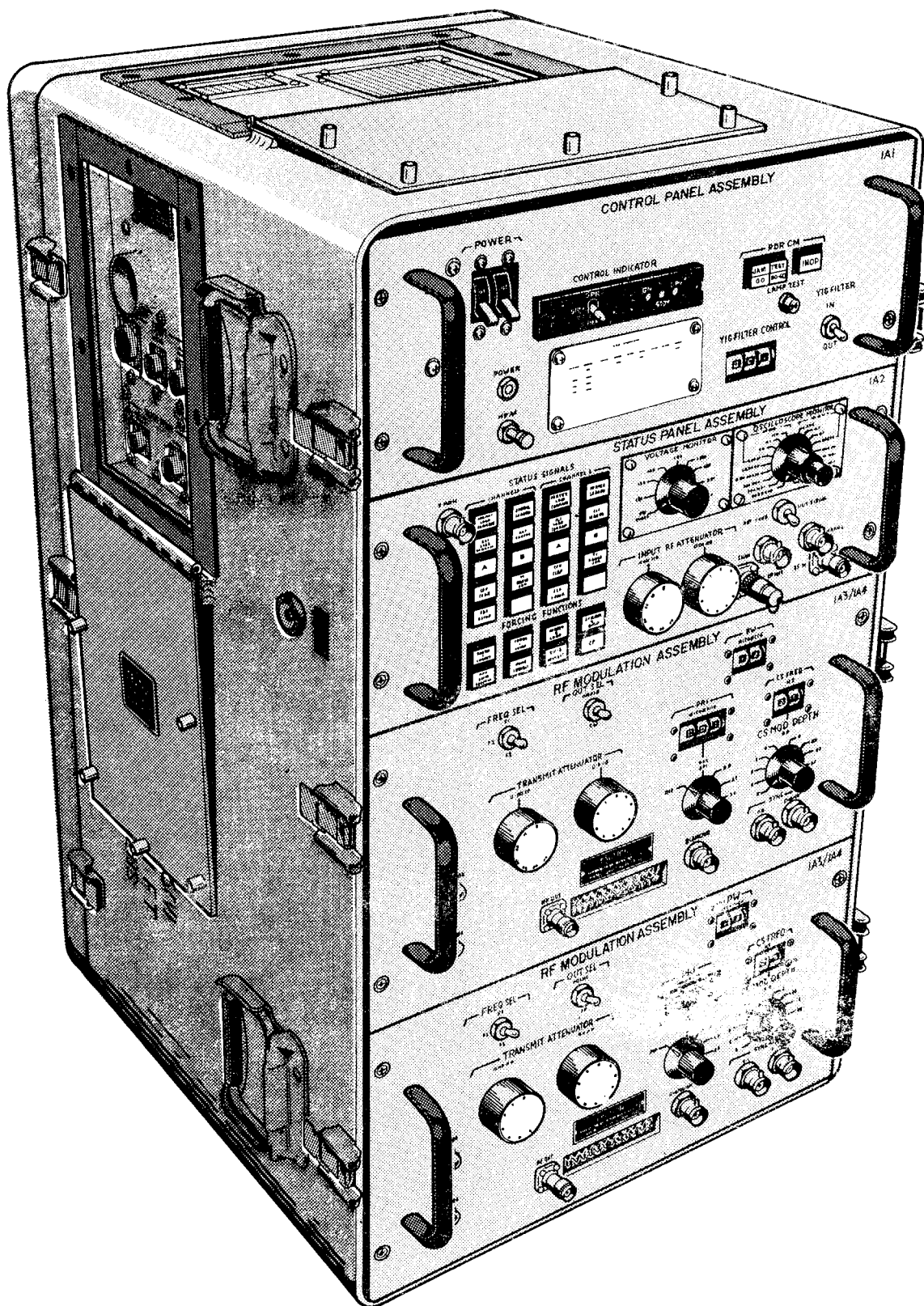
For your convenience this manual has been divided into chapters, sections and paragraphs which are numbered sequentially; tables are numbered in the same way. Illustrations are integrated with the text. In addition to this numbering system, a system of captions in colored print helps you quickly find the information you need. These captions name the equipment and maintenance procedures that you will be performing.

Some of the procedures consist of several smaller procedures. The captions for these smaller procedures are under the larger ones; both appear on each page as they are continued. Each large section begins with a section contents which lists the procedures by title and page number.

**NO ONE EVER REPAIRED OR TESTED
ELECTRONIC EQUIPMENT WITHOUT
FIRST READING THE AVIATION
INTERMEDIATE MAINTENANCE
(AVIM) MANUAL.**

**IT IS THE MOST
IMPORTANT TOOL
YOU HAVE !!!**





TEST SET, COUNTERMEASURES SET TS-3615/ALQ-136(V)

CHAPTER 1

INTRODUCTION

SECTION I

GENERAL INFORMATION

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SCOPE

1-1. This is one of a series of technical manuals covering the operation and maintenance of Countermeasures Set AN/ALQ-136(V)1. It is used by Aviation Intermediate Maintenance (AVIM) personnel.

This manual contains physical and functional descriptions, principles of operation, maintenance instructions and schematic diagrams.

Type of Manual: Aviation Intermediate Maintenance (AVIM)

Model Number and
Equipment Name: Test set, Countermeasures Set TS-3615/ALQ-136(V)

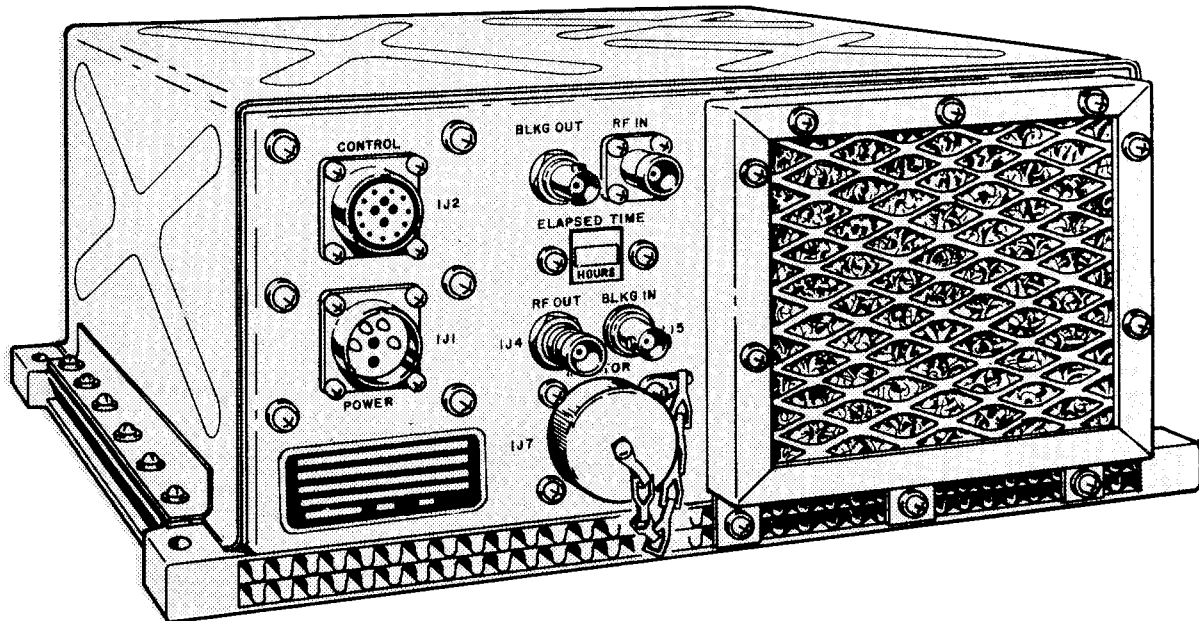
Purpose of
Equipment: Tests Countermeasures Set AN/ALQ-136(V)1 at AVIM level.

Tests Test Set, Countermeasures Set TS-3614/
ALQ-136(V) at AVIM level.

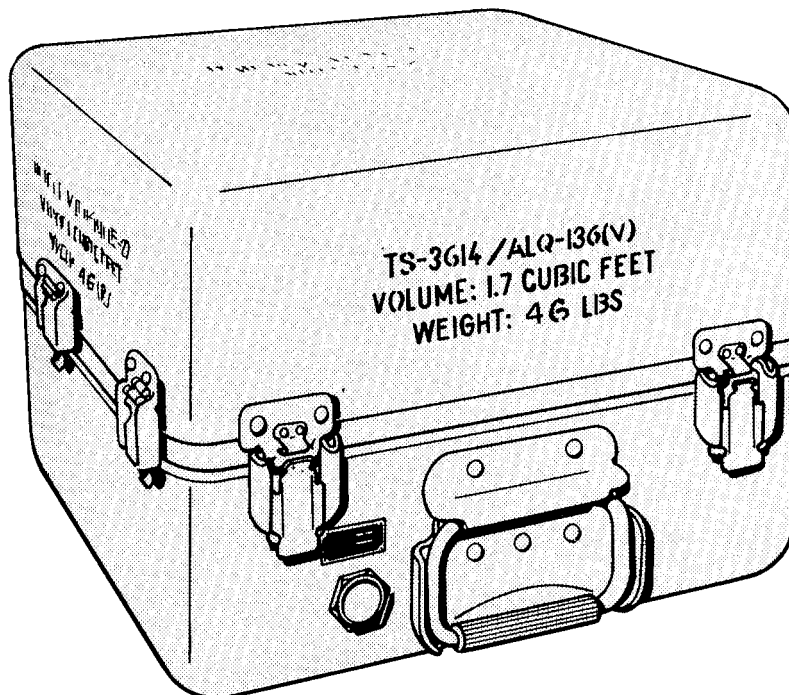
SCOPE (Continued)

The Bench Test Set (BTS) provides test signals and measurement circuits needed to perform Aviation Intermediate Maintenance (AVIM) on the following equipment:

- Receiver-Transmitter, Countermeasures Set: RT-1149(V)1/ALQ-136(V).



- Test Set, Countermeasures Set TS-3614/ALQ-136(V) (FLTS).



This manual contains functional descriptions, troubleshooting procedures and procedures for corrective maintenance.