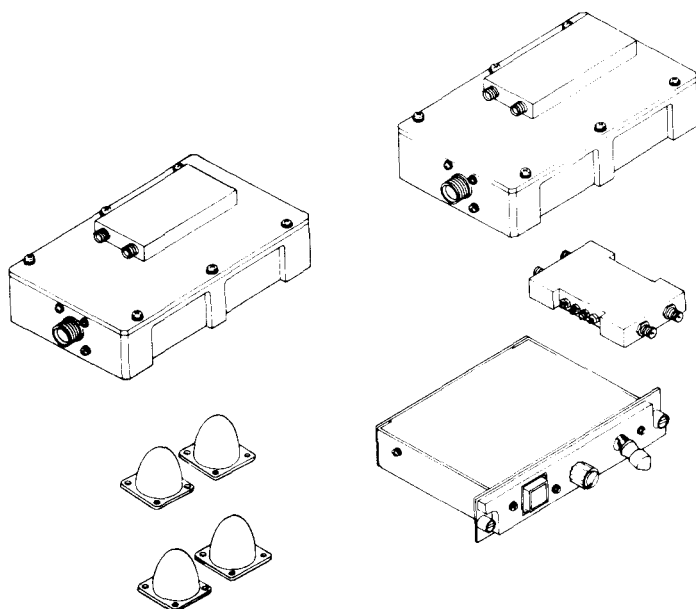


**OPERATOR'S AND ORGANIZATIONAL
MAINTENANCE MANUAL
(AVIATION UNIT MAINTENANCE)**



**RADAR WARNING SYSTEMS
AN/APR-44(V)1
(NSN 5841-01-047-5398)
AND
AN/APR-44(V)3
(NSN 5841-01-047-5400)**

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HEADQUARTERS, DEPARTMENT OF THE ARMY

14 APRIL 1983

Technical Manual
No. 11-5841-291-12

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC
14 April 1983

Operator's and Organizational Maintenance Manual
(Aviation Unit Maintenance)
RADAR WARNING SYSTEMS
AN/APR-44(V)1
(NSN 5841-01-047-5398)
and AN/APR-44(V)3
(NSN 5841-01-047-5400)

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: DRSEL-ME-MP, Fort Monmouth, NJ 07703. A reply will be furnished direct to you.

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—*This manual supersedes TM 11-5841-291-12 dated 7 October 1981.

HOW TO USE THIS MANUAL

1. General. The information in this manual is presented in a manner to help you operate and maintain the equipment in the shortest possible time. Read the manual to become familiar with the content before using or working on the equipment. Operating instructions as well as both operator maintenance and organizational maintenance are covered in this manual.

2. Operation and Operator Maintenance. Information in chapter 2 is presented to the level necessary for you to operate the system and perform the authorized operator maintenance tasks. The maintenance action authorized at the operator level is preventive maintenance.

3. Organizational Maintenance. Chapter 3 contains instructions for the organizational level maintenance technician. These instructions include those for troubleshooting the system and for repairing the system by the replacement of authorized components and parts.

CHAPTER 1

INTRODUCTION

Section I. GENERAL INFORMATION

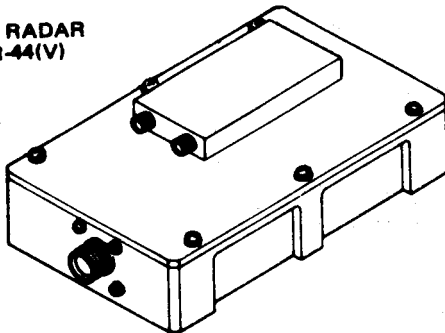
1-1. Scope. The purpose of this manual is to explain the operation and organizational maintenance (aviation unit maintenance (AVUM)) of Radar Warning Systems AN/APR-44(V)1 and AN/APR-44(V)3. Use it to keep Radar Warning Systems AN/APR-44(V)1 and AN/APR-44(V)3 in peak condition and maintain your proficiency. The operator's instructions in this manual are intended for maintenance personnel.

1-2. Purpose. Radar Warning Systems AN/APR-44(V)1 and AN/APR-44(V)3 are airborne systems used to detect cw radar signals aimed at the aircraft. Detection is indicated by a lighted lamp, a tone heard in the headset, and a logic signal produced for external use.

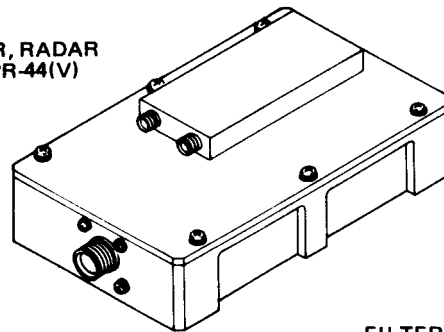
1-3. Maintenance Forms, Records and Reports. Department of the Army forms and procedures used for equipment maintenance will be those prescribed by TM 38-750, the Army Maintenance Management System (TAMMS).

1-4. Reporting Equipment Improvement Recommendations (EIR's). If your equipment 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. Put it on an SF 368 (Quality Deficiency Report). Mail to Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: DRSEL-ME-MP, Fort Monmouth, NJ 07703. We'll send you a reply.

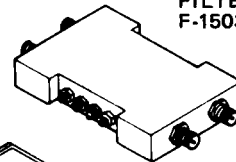
**RECEIVER, RADAR
R-2086/APR-44(V)**



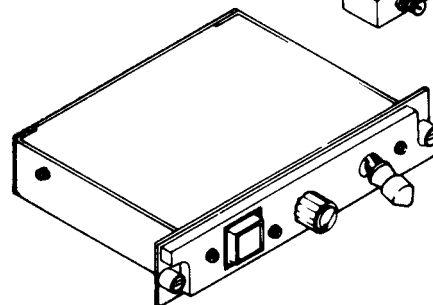
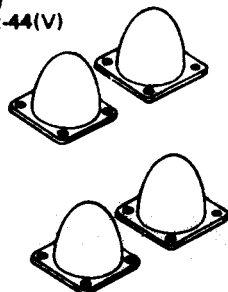
**RECEIVER, RADAR
R-2097/APR-44(V)**



**FILTER, LOW PASS
F-1503/APR-44(V)**



**ANTENNA(S)
AS-3266/APR-44(V)**



**CONTROL, RECEIVER
C-10387/APR-44(V)**