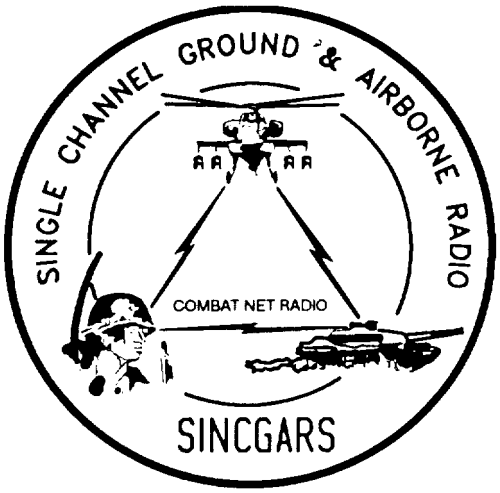
TM 11-5821-333-30

TECHNICAL MANUAL

AVIATION INTERMEDIATE MAINTENANCE MANUAL



SINCGARS AIRBORNE COMBAT NET RADIO, ICOM AND NON-ICOM

AN/ARC-201(V)
(NSN: N/A) (EIC: N/A)

AND

AN/ARC-201A(V)
(NSN: N/A) (EIC: N/A)

Approved for public release; distribution is unlimited.

HEADQUARTERS, DEPARTMENT OF THE ARMY

1 AUGUST 1992

Technical Manual

No. 11-5821-333-30

Headquarters
Department of the Army
Washington, DC, 1 August 1992

AVIATION INTERMEDIATE MAINTENANCE MANUAL
RADIO SETS AN/ARC-201 (V) (NSN: N/A) (EIC: N/A)
and AN/ARC-201 A(V) (NSN: N/A) (EIC: N/A)

REPORTING ERRORS AND RECOMMENCING 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 For 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: AMSEL-LC-LM-LT, Fort Monmouth, New Jersey 07703-5007. A reply will be furnished direct to you.

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LIST OF ILLUSTRATIONS

LIST OF ILLUSTRATIONS -Continued

HOW TO USE THIS MANUAL

VOLUMES. This manual has one volume.

CHAPTERS. There are six chapters in this manual. Chapter 1 is an introductory chapter. You will find useful general information there, It has general maintenance instructions, information on maintenance forms and records, and how to send in EIRs. Chapters 2 through 6 contain aviation intermediate maintenance instructions. The maintenance instructions include principles of operation, troubleshooting information, operational checks, and repair instructions.

SECTIONS, Each chapter is divided into two or more sections.

PARAGRAPHS. The paragraphs contain the necessary procedures and information required for maintenance. Read all procedures completely before starting.

APPENDICES. There are two appendices at the back of the manual.

Appendix A. REFERENCES.
This appendix lists the other manuals you may need.

Appendix B. EXPENDABLE SUPPLIES AND MATERIALS.
This appendix contains a list of all expendable supplies and materials needed for maintenance.

COVER INDEX. The cover index helps you to quickly find those parts of the manual used most often. Each tab on the cover is alined with a matching tab on the first page of the subject in the manual. Flex the manual, look for the black tab, and open the book to the subject selected from the front cover.

WARNING

Warnings alert you to anything that might kill or injure you or other persons,

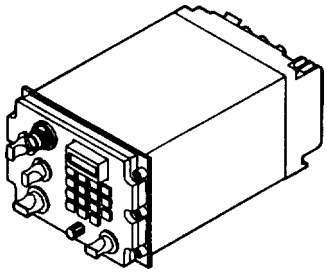
CAUTION

Cautions alert you to anything that could damage the equipment.

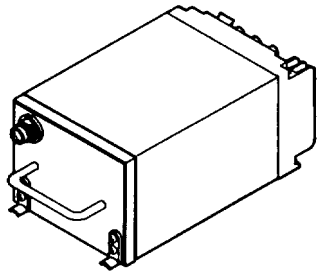
NOTE

Notes give you help in making the job easier to do, They contain information telling you why or how something needs to be done.

MAJOR COMPONENTS OF RADIO SETS



RADIO RECEIVER-TRANSMITTER
RT-1476/ARC-201(V)
RT-1476A/ARC-201A(V)



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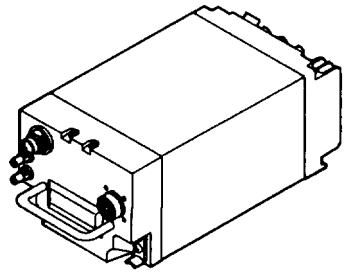
RT-1477/ARC-201(V)
RT-1477A/ARC-201A(V)



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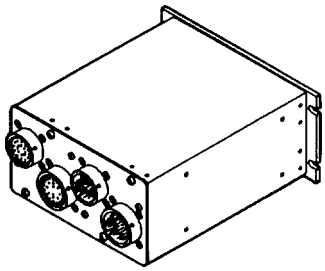
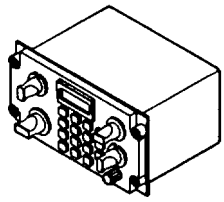
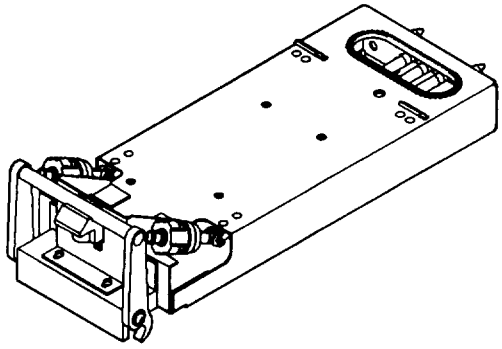
RT-1478A/ARC-201A(V)



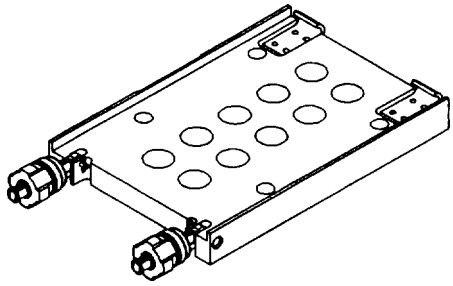
DATA RATE ADAPTER
CV-3885/ARC-201(V)



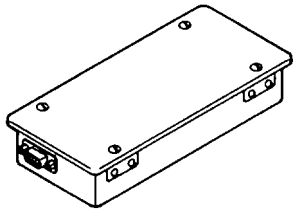
RADIO SET CONTROL
C-11466/ARC-201(V)
C-11466A/ARC-201A(V)



ELECTRICAL EQUIPMENT
MOUNTING BASE
MT-6373/ARC-201 (V)



ELECTRICAL EQUIPMENT
MOUNTING BASE
MT-6374/ARC-201 (V)



BATTERY BOX
CY-8515/ARC-201 (V)

CHAPTER 1

INTRODUCTION

Section 1. GENERAL INFORMATION

1-1. SCOPE

This manual covers the maintenance of the AN/ARC-201(V) and AN/ARC-201A(V) families of radio sets, used in aircraft and ground applications for both voice and data communications.

1-2. CONSOLIDATED INDEX OF ARMY PUBLICATIONS AND BLANK FORMS

Refer to the latest issue of DA PAM 25-30 to determine whether there are new editions, changes, or additional publications pertaining to the equipment.

1-3. MAINTENANCE FORMS, RECORDS, AND REPORTS

a. Reports of Maintenance and Unsatisfactory Equipment. Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA PAM 738-750 as contained in Maintenance Management Update.

b. Reporting of Item and Packaging Discrepancies. Fill out and forward SF 364 (Report of Discrepancy (ROD)) as prescribed in AR 735-11-2/DLAR 4140.55/SECNAVINST 4355.18/AFR 400-54/MCO 4430.3J.

c, Transportation Discrepancy Report (TDR) (SF 361). Fill out and forward Transportation Discrepancy Report (TDR) (SF 361) as prescribed in AR 55-38/NAVSUPlNST 4610.33C/AFR 75-18/MCO P4610.19D/DLAR 4500.15.

1-4, DESTRUCTION OF ARMY MATERIEL TO PREVENT ENEMY USE

Destruction of Army electronics C-E to prevent enemy use shall be in accordance with TM 750-244-2.

1-5. PREPARATION FOR STORAGE OR SHIPMENT

Refer to the following maintenance chapters for storage and shipment procedures.

1-6. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR)

If your radio set 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 the design. Put it on an SF 368 (Product Quality Deficiency Report), Mail it to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: AMSEL-ED-PH, Fort Monmouth, NJ 07703-5007. We'll send you a reply.