

**TECHNICAL MANUAL**

**ORGANIZATIONAL, MAINTENANCE  
REPAIR PARTS AND SPECIAL TOOLS LIST**

**FOR**

**CONVERTER, DIRECT CURRENT CV-3734/T  
(NSN 5805-01-130-1499)**



**ORGANIZATIONAL, MAINTENANCE  
REPAIR PARTS AND SPECIAL TOOLS LIST  
FOR  
CONVERTER, DIRECT CURRENT CV-3734/T  
(NSN 5805-01-130-1499)**

Current as of 30 April 1984

**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 the back of this manual direct to: Commander, US Army Communications-Electronics Command, and Fort Monmouth, ATTN: DRSEL-ME-MP, Fort Monmouth, NJ 07703.

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

**Table of Contents**

		Page	Illus Figure
Section	I. Introduction .....	1	
	II. Repair Parts List .....	5	
Group	00 Converter, Direct Current CV-3734/T .....	5	1
	01 Baseplate Assembly (No parts authorized)		
	02 Printed Wiring Board (A1) (No parts authorized)		
	03 Front Panel Assembly .....	7	2
	04 Rear Panel Assembly (No parts authorized)		
	05 Heatsink Assembly (No parts authorized)		
	04 Printed Wiring Board (A2) (No parts authorized)		
Section	III. Special Tools List (Not applicable)		
	IV. National Stock Number and Part Number Index .....	8	



## SECTION I INTRODUCTION

### 1. Scope

This manual lists spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE), and other special support equipment required for performance of organizational maintenance of the CV-3734/T. It authorizes the requisitioning and issue of spares and repair parts as indicated by the source and maintenance codes.

### 2. General

This Repair Parts and Special Tools List is divided into the following sections:

a. *Section II. Repair Parts List.* A list of spares and repair parts authorized for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in numeric sequence, with the parts in each group listed in figure and item number sequence.

b. *Section III. Special Tools List.* Not applicable.

c. *Section IV. National Stock Number and Part Number Index.* A list, in National item identification number (NIIN) sequence, of all National stock numbers (NSN) appearing in the listings, followed by a list, in alphanumeric sequence, of all part numbers appearing in the listings. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance.

### 3. Explanation of Columns

a. *Illustration.* This column is divided as follows:

(1) *Figure number.* Indicates the figure number of the illustration of which the item is shown.

(2) *Item number.* The number used to identify item called out in the illustration.

b. *Source, Maintenance, and Recoverability (SMR) Codes.*

(1) *Source code.* Source codes indicate the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are entered in the first and second positions of the Uniform SMR Code format as follows:

Code	Definition
PA	— Item procured and stocked for anticipated or known usage.
XB	— Item is not procured or stocked. If not available through salvage, requisition.

#### NOTE

Cannibalization or salvage may be used as a source of supply for any items source coded above except those coded XA and aircraft support items as restricted by AR 750-1.

(2) *Maintenance code.* Maintenance codes are assigned to indicate the levels of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the Uniform SMR Code format as follows:

(a) The maintenance code entered in the third position will indicate the lowest maintenance level authorized to remove, replace, and use the support item. The maintenance code entered in the third position will indicate one of the following levels of maintenance:

Code	Application /Explanation
O	— Support item is removed, replaced, used at the organizational level.

(b) The maintenance code entered in the fourth position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i e., all authorized maintenance functions). This position will contain one of the following maintenance codes:

Code	Application /Explanation
H	— The lowest maintenance level capable of complete repair of the support item is the general support level.
Z	— Nonreparable. No repair is authorized.

(3) *Recoverability code.* Recoverability codes are assigned to support items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the Uniform SMR Code format as follows:

Recoverability codes	Definition
Z	— Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.
H	— Reparable item. When uneconomically reparable, condemn and dispose at the general support level.

c. *National Stock Number.* Indicates. the National stock number assigned to the item and will be used for requisitioning purposes.

d. *Federal Supply Code for Manufacturer (FSCM).* The FSCM is a 5-digit numeric code listed in SB 708-41 /42 which is used to identify the manufacturer, distributor, or Government agency, etc.

e. *Part Number.* Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

**NOTE**

When a stock numbered item is requisitioned, the repair part received may have a different part number than the part being replaced.

*Description.* Indicates the Federal item name and, if required, a minimum description to identify the item.

*g. Unit of Measure (U/M).* Indicates the standard of the basic quantity of the listed item as used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in, pr, etc). When the unit of measure differs from the unit of issue, the lowest unit of issue that will satisfy the required units of measure will be requisitioned.

*h. Quantity Incorporated in Unit.* Indicates the quantity of the item used in the breakout shown on the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly.

**4. Special Information**

a. The following publications pertain to the CV-3734/T and its components:

TM 11-6130-429-12, Converter, Direct Current CV-3734/T.

b. National Stock numbers (NSN's that are missing from P source coded items have been applied for and will be added to this TM by future change/revision when they are entered in the Army Master Data File (AMDF). Until the NSN's are established and published, submit exception requisitions to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: EL-MM, Fort Monmouth, NJ 07703 for the part required to support your equipment.

c. This Repair Parts and Special Tools List is a short form RPSTL. All repair parts will be listed in the next revision.

**5. How to Locate Repair Parts**

a. When National stock number or part number is unknown.

(1) *First.* Using the table of contents, determine the functional group within which the item belongs. This is necessary since illustrations are prepared for functional groups and listings are divided into the same groups.

(2) *Second.* Find the illustration covering the functional group to which the item belongs.

(3) *Third.* Identify the item on the illustration and note the illustration figure and item number of the item.

(4) *Fourth.* Using the Repair Parts Listing, find the figure and item number noted on the illustration.

b. When National stock number or part number is known.

(1) *First.* Using the Index of National Stock Numbers and Part Numbers, find the pertinent National stock number or part number. This index is in NIIN sequence followed by a list of part numbers in alphameric sequence, cross-referenced to the illustration figure number and item number.

(2) *Second.* After finding the figure and item number, locate the figure and item number in the repair parts list.

**6. Abbreviations**

Not applicable.

**(Next printed page is 4.)**



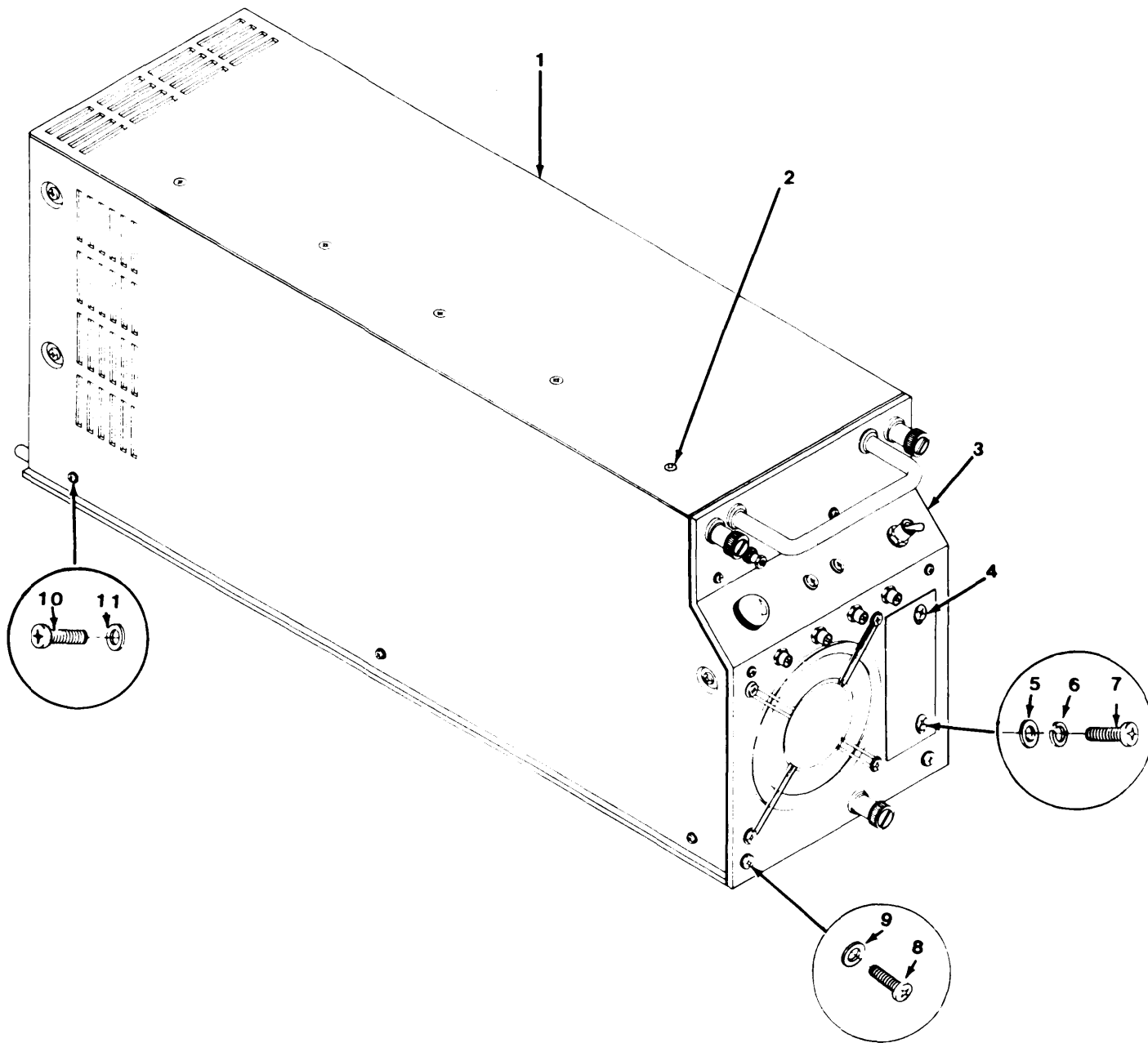
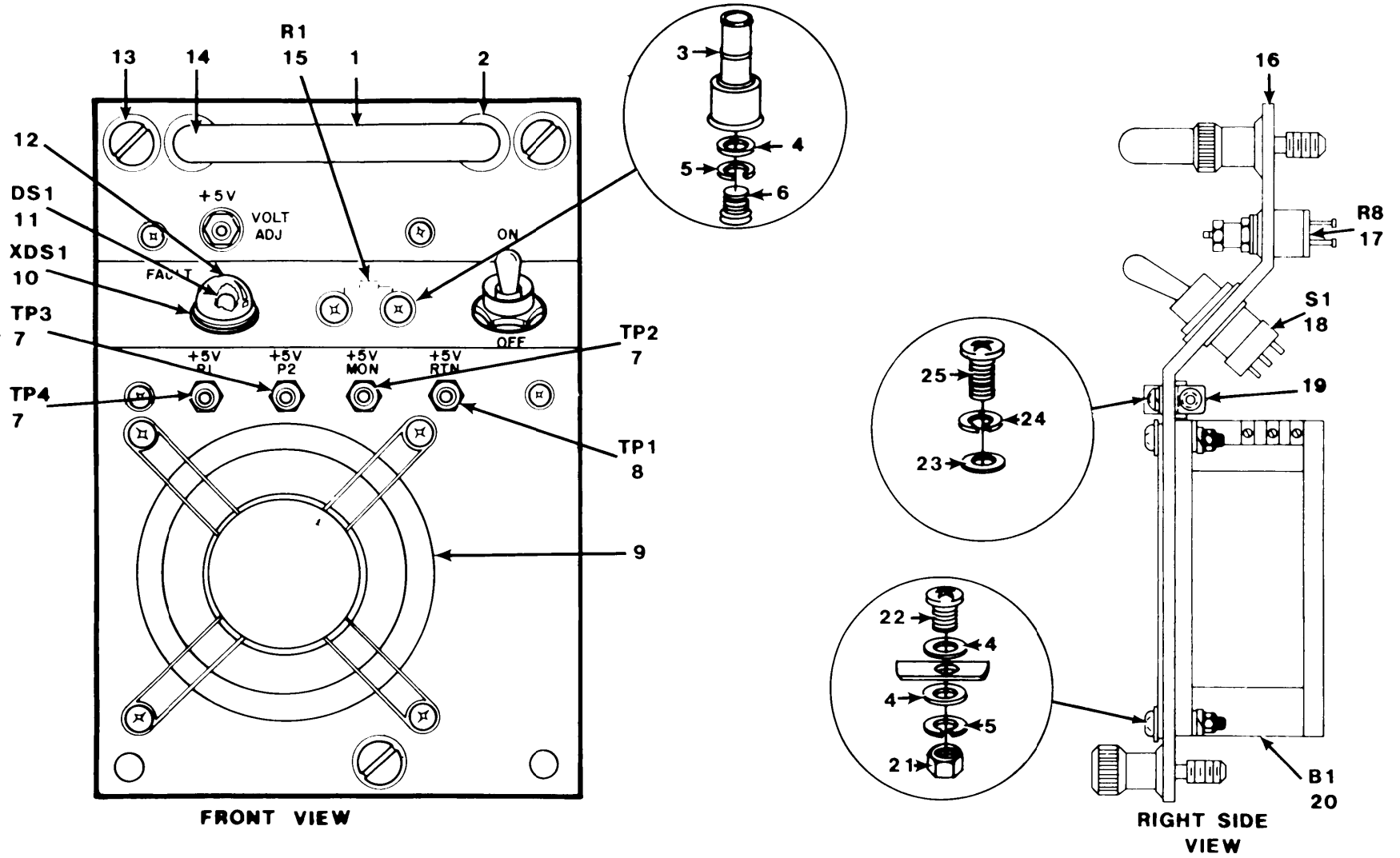


FIGURE 1. CONVERTER, DIRECT CURRENT CV-3734/T

**EL9AY001**



(1) ILLUSTRATION (a) FIG NO	(2) (b) ITEM NO	(3) SMR CODE	(4) NATIONAL STOCK NUMBER	(5) PART NUMBER	TM11-6130-429-20P (6) DESCRIPTION	(7) USABLE ON CODE	(8) U/M	(9) QTY INC IN UNIT
					GROUP 00 CONVERTER, DIRECT CURRENT			
					CV-3734/T			
1	3	XBOHH	56996	B4025671	FRONT PANEL ASSEMBLY		EA	1



TM11-6130-430-20P

EL9AX001

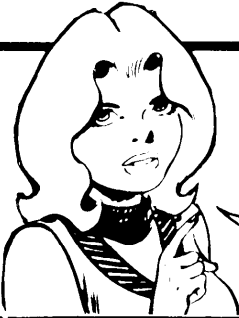
FIGURE 2 Front Panel Assembly.

SECTION II (1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6) DESCRIPTION	(7)	(8) QTY INC IN UNIT
(a) FIG NO	(b) ITEM NO	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	USABLE ON CODE	USABLE ON CODE U/M	
GROUP 03 FRONT PANEL ASSEMBLY								
2	11	PAOZZ	6240-00-155-7836	96906	MS25237-327	LAMP, INCANDESCENT	EA	1
2	12	PAOZZ	6210-00-990-4637	81349	LC12RN2	LENS, LIGHT	EA	1

SECTION IV	NATIONAL STOCK NUMBER AND PART NUMBER INDEX				TM11-6130-429-20P
	FIGURE	ITEM		FIGURE	ITEM
STOCK NUMBER	NO.	NO.	STOCK NUMBER	NO.	NO.
6240-00-155-7836	2	11	6210-00-990-4637	2	12

FSCM	PART NUMBER	FIGURE	ITEM	FSCM	PART NUMBER	FIGURE	ITEM
56996	B4025671	1	3				
81349	LC12RN2	2	12	96906	MS25237-327	2	11

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



THEN... JOT DOWN THE DOPE ABOUT IT ON THIS FORM. CAREFULLY TEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL!

SOMETHING WRONG WITH THIS PUBLICATION?

FROM (PRINT YOUR UNIT'S COMPLETE ADDRESS)

Commander  
Stateside Army Depot  
ATTN: AMSTA-US  
Stateside, N.J. 07703

DATE SENT

10 July 1975

PUBLICATION NUMBER

TM 11-5840-340-20P

PUBLICATION DATE

23 Jan 78

PUBLICATION TITLE

Radar Set AN/PRC-76

BE EXACT PIN-POINT WHERE IT IS

PAGE NO	PARA-GRAPH	FIGURE NO	TABLE NO
---------	------------	-----------	----------

33

44

45

19

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

For item 2, change the NSN to read: 5835-00-134-9186.  
Reason: Accuracy.

Identify the cover on the junction box (item no. 5).  
Reason: It is a separate item and is not called out on figure 19.

Add the cover of the junction box as an item in the listing for figure 19.  
Reason: Same as above

TEAR ALONG PERFORATED LINE

EXAMPLE

PRINTED NAME GRADE OR TITLE AND TELEPHONE NUMBER

SSG I. M. DeSpirit of 999-1776

SIGN HERE

FILL IN YOUR  
UNIT'S ADDRESS

FOLD BACK

DEPARTMENT OF THE ARMY

POSTAGE AND FEES PAID  
DEPARTMENT OF THE ARMY  
DOD 314



OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE \$300

**SAMPLE**

Commander  
US Army Communications-Electronics Command  
and Fort Monmouth  
ATTN: DRSEL-ME-MP  
Fort Monmouth, New Jersey 07703

TEAR ALONG PERFORATION LINE

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



THEN...JOT DOWN THE DOPE ABOUT IT ON THIS FORM. CAREFULLY TEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL.

**SOMETHING WRONG** WITH THIS PUBLICATION?

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER  
TM 11-6130-429-20P

PUBLICATION DATE  
2 July 1984

PUBLICATION TITLE Converter,  
Direct Current CV-3734/T

BE EXACT PIN-POINT WHERE IT IS

PAGE NO.	PARA-GRAPH	FIGURE NO.	TABLE NO.
----------	------------	------------	-----------

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

TEAR ALONG PERFORATED LINE

PRINTED NAME GRADE OR TITLE AND TELEPHONE NUMBER

SIGN HERE

FILL IN YOUR  
UNIT'S ADDRESS

FOLD BACK

DEPARTMENT OF THE ARMY

OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE \$300

POSTAGE AND FEES PAID  
DEPARTMENT OF THE ARMY  
DOD 314



TEAR ALONG PERFORATED LINE

Commander  
US Army Communications-Electronics Command  
and Fort Monmouth  
ATTN: DRSEL-ME-MP  
Fort Monmouth, New Jersey 07703



RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



THEN...JOT DOWN THE DOPE ABOUT IT ON THIS FORM. CAREFULLY TEAR IT OUT, FOLD IT AND DROP IT IN THE MAIL.

SOMETHING WRONG WITH THIS PUBLICATION?

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER  
TM 11-6130-429-20P

PUBLICATION DATE  
2 July 1984

PUBLICATION TITLE Converter,  
Direct Current CV-3734/T

BE EXACT PIN-POINT WHERE IT IS

PAGE NO.	PARA-GRAPH	FIGURE NO.	TABLE NO.
----------	------------	------------	-----------

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

TEAR ALONG PERFORATED LINE

PRINTED NAME GRADE OR TITLE AND TELEPHONE NUMBER

SIGN HERE

FILL IN YOUR  
UNIT'S ADDRESS

FOLD BACK

DEPARTMENT OF THE ARMY

\_\_\_\_\_  
\_\_\_\_\_

OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE \$300

POSTAGE AND FEES PAID  
DEPARTMENT OF THE ARMY  
DOD 314



TEAR ALONG PERFORATION LINE

Commander  
US Army Communications-Electronics Command  
and Fort Monmouth  
ATTN: DRSEL-ME-MP  
Fort Monmouth, New Jersey 07703



FILL IN YOUR  
UNIT'S ADDRESS

FOLD BACK

DEPARTMENT OF THE ARMY

\_\_\_\_\_  
\_\_\_\_\_

OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE \$300

POSTAGE AND FEES PAID  
DEPARTMENT OF THE ARMY  
DOD 314



TEAR ALONG PERFORATION LINE

Commander  
US Army Communications-Electronics Command  
and Fort Monmouth  
ATTN: DRSEL-ME-MP  
Fort Monmouth, New Jersey 07703

By Order of the Secretary of the Army:

Official:

JOHN A. WICKHAM JR.  
*General, United States Army*  
*Chief of Staff*

ROBERT M. JOYCE  
*Major General, United States Army*  
*The Adjutant General*

DISTRIBUTION:

To be distributed in accordance with DA Form 12-51A-1 requirements  
for AN/TTC-39.

☆ U.S. GOVERNMENT PRINTING OFFICE: 1984-705-046/4122





