

TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST

FOR

CONVERTER, TELEPHONE SIGNAL
CV-1548/G AND CV-1548A/G
(NSN 5805-00-069-8795)

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HEADQUARTERS, DEPARTMENT OF THE ARMY

15 JULY 1989

Technical Manual

No. 11-5805-367-20P-5

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 15 July 1989

ORGANIZATIONAL MAINTENANCE
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FOR
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CV-1548/G AND CV-1548A/G
(NSN 5805-00-069-8795)

Current as of 8 May 1989

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-ME-PS, Fort Monmouth, New Jersey 07703-5000.

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*This manual supersedes TM 11-5805-367-20P-5, 22 November 1977.

SECTION I
INTRODUCTION

1. Scope

This manual lists and authorizes 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-1548/G and CV-1548A/G. It authorizes the requisitioning, issue, and disposition of spares, repair parts, and special tools as indicated by the source, maintenance and recoverability (SMR) 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 by this RPSTL for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts list are composed of functional groups in ascending numeric sequence, with the parts in each group listed in ascending item number sequence. Figure numbers are listed directly beneath the group header. Items listed are shown on the associated illustration.

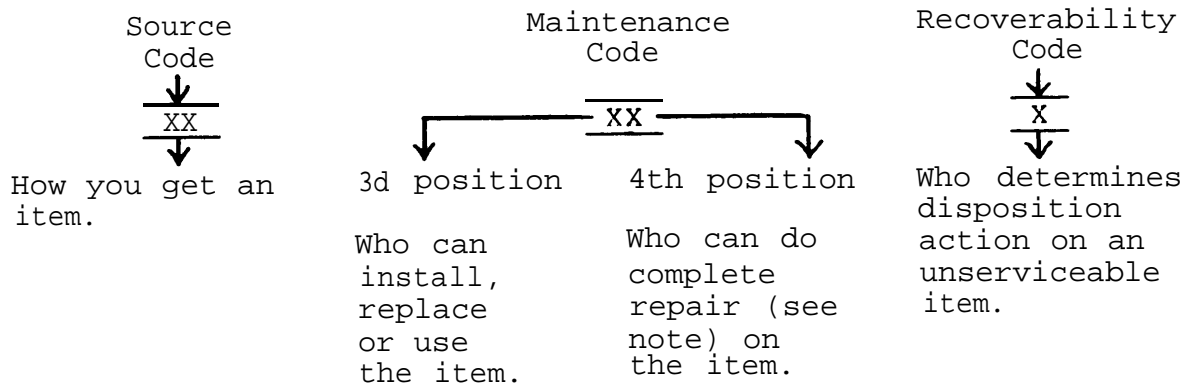
b. Section III. Special Tools List. Not applicable.

c. Section IV. Cross-Reference Indexes. A list, in National item identification number (NIIN) sequence, of all National stock numbered items appearing in the listing, followed by a list in alphameric 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. The figure number and item number index lists figure and item numbers in numeric sequence and cross-references National stock number, Federal Supply Code for Manufacturer and part numbers.

3. Explanation of Columns (Section II and III)

a. Item No. (Column (1)). Indicates the number used to identify items called out in the illustration.

b. SMR Code (Column (2)). The source, maintenance, and recoverability (SMR) code is a five-position code containing supply/requisitioning information, maintenance category authorization criteria, and disposition instructions, as shown in the following breakout:



NOTE

Complete repair: Maintenance capacity, capability, and authority to perform all corrective maintenance tasks of the "repair" function in a use/user environment in order to restore serviceability to a failed item.

(1) Source code. The source code tells you how to get an item needed for maintenance, repair, or overhaul of an end item/equipment. Explanations of source codes follows:

Code

Explanation

PA

PB

PC

PD

PE

PF

PG

Stocked items: use the applicable NSN to request/requisition items with these source codes. They are authorized to the category indicated by the code entered in the third position of the SMR code.

NOTE

Items coded PC are subject to deterioration.

KD

KF

KB

Items with these codes are not to be requested/requisitioned individually. They are part of a kit which is authorized to the maintenance category indicated in the third position of the SMR code. The complete kit must be requested and applied.

Code

Explanation

MO - Made at org/AVUM category
MF - Made at DS/AVIM category
MH - Made at GS category
ML - Made at Specialized Repair Activity (SRA)
MD - Made at Depot

Items with these codes are not to be requested/requisitioned individually. They must be made from bulk material which is identified by the part number in the description and usable on code (UOC) column and listed in the Bulk Material group of the repair parts list. If the item is authorized to you by the third position code of the SMR code, but the source code indicates it is made at a higher category, order the item from the higher category of maintenance.

AO - Assembled by org/AVUM category
AF - Assembled by DS/AVIM category
AH - Assembled by GS category
AL - Assembled by SRA
AD - Assembled by Depot

Items with these codes are not to be requested/requisitioned individually. The parts that make up the assembled item must be requisitioned or fabricated and assembled at the category of maintenance indicated by the source code. If the third position code of the SMR code authorizes you to replace the item, but the source code indicates the item is assembled at a higher category, order the item from the higher category of maintenance.

Code

Explanation

- XA - Do not requisition an "XA" coded item. Order its next higher assembly.
- XB - If an "XB" item is not available from salvage, order it using the FCSM and part number given.
- XC - Installation drawing, diagram, instruction sheet, field service drawing, that is identified by manufacturer's part number.
- XD - Item is not stocked. Order an "XD" coded item through normal supply channels using the FSCM and part number given, if not available.

NOTE

Cannibalization or controlled exchange, when authorized, may be used as a source of supply for items with the above source codes, except for those source coded "XA" or those aircraft support items restricted by requirements of AR 750-1.

(2) Maintenance code. Maintenance codes tell you the category of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the SMR code as follows:

(a) The maintenance code entered in the third position tells you the lowest maintenance category authorized to remove, replace, and use an item. The maintenance code entered in the third position will indicate authorization to one of the following categories of maintenance.

<u>Code</u>	<u>Application/Explanation</u>
C -	Crew or operator maintenance done within organizational or aviation maintenance.
O -	Organizational or aviation unit category can remove, replace, and use the item.
F -	Direct support or aviation intermediate category can remove, replace, and use the item.
H -	General support category can remove, replace, and use the item.
L -	Specialized repair activity can remove, replace, and use the item.
D -	Depot category can remove, replace, and use the item.

(b) The maintenance code entered in the fourth position tells whether or not the item is to be repaired and identifies the lowest maintenance category with the capability to do complete repair (i.e., per form all authorized repair functions). This position will contain one of the following maintenance codes.

NOTE

Some limited repair may be done on the item at a lower category of maintenance, if authorized by the Maintenance Allocation Chart (MAC) and SMR codes.

<u>Code</u>	<u>Application/Explanation</u>
O -	Organizational or aviation unit is the lowest-category that can do complete repair of the item.
F -	Direct support or aviation intermediate is the lowest category that can do complete repair of the item.
H -	General support is the lowest category that can do complete repair of the item.
L -	Specialized repair activity (designate the specialized repair activity) is the lowest category that can do complete repair of the item.
D -	Depot is the lowest category that can do complete repair of the item.

<u>Code</u>	<u>Application/Explanation</u>
-------------	--------------------------------

- Z - Nonreparable. No repair is authorized.
- B - No repair is authorized. (No parts or special tools are authorized for the maintenance of a "B" coded item.)
However, the item may be reconditioned by adjusting, lubricating, etc., at the user category.

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

<u>Recoverability codes</u>	<u>Application/Explanation</u>
-----------------------------	--------------------------------

- Z - Nonreparable item. When unserviceable, condemn and dispose of the item at the category of maintenance shown in the third position of SMR code.
- 0 - Repairable item. When uneconomically repairable, condemn and dispose of the item at organizational or aviation unit category.
- F - Repairable item. When uneconomically repairable, condemn and dispose of the item at direct support or aviation intermediate category.
- H - Repairable item. When uneconomically repairable, condemn and dispose of the item at general support category.
- D - Repairable item. When beyond lower category repair capability, return to depot. Condemnation and disposal of item not authorized below depot category.
- L - Repairable item. Condemnation and disposal not authorized below specialized repair activity (SRA).
- A - Item requires special handling or condemnation procedures because of specific reasons (e.g., precious metal content, high dollar value, critical material, or hazardous material) . Refer to appropriate manuals/directives for specific instructions.

c. FSCM (Column (3)). The Federal Supply Code for Manufacturer (FSCM) is a 5-digit numeric code which is used to identify the manufacturer, distributor, or Government agency, etc., that supplies the item.

d. Part Number (Column (4)). 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 you use an NSN to requisition an item, the item you receive may have a different part number from the part ordered.

e. Description and Usable on Code (UOC) (Column (5)). This column includes the following information.

(1) The Federal item name and, when required, a minimum description to identify the item.

(2) Usable on code, when applicable (para 5).

(3) The statement "END OF FIGURE" appears just below the last item description in Column (5) for a given figure in both section II and section III.

f. Qty (Column (6)). 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. A "V" appearing in this column in lieu of a quantity indicates that the quantity is variable and the quantity may vary from application to application.

4. Explanation of Columns (Section IV)

a. National Stock Number (NSN) Index.

(1) Stock number column. This column lists the NSN by National item identification number (NIIN) sequence. The NIIN consists of the last nine digits of the NSN. When using this column to locate an item, ignore the first four digits of the NSN. When requisitioning items use the complete NSN (13 digits).

(2) Fig. column. This column lists the number of the figure where the item is identified/located. The illustrations are in numerical sequence in sections II and III.

(3) Item column. The item number identifies the item associated with the figure listed in the adjacent Fig. column. This item is also identified by the NSN listed on the same line.

b. Part Number Index. Part numbers in this index are listed by part-number in ascending alphameric sequence.

(1) FSCM column. This column lists the Federal supply code for manufacturer (FSCM) .

(2) Part number column. This column indicates the part number assigned to the item.

(3) Stock number column. This column lists the National stock number for the associated part number and manufacturer identified in the part number and FSCM columns to the left.

(4) Fig. column. This column lists the number of the figure where the item is identified/located in sections II and III.

(5) Item column. The item number is that number assigned to the item as it appears in the figure referenced in the adjacent figure number column.

c. Figure and Item Number Index.

(1) Fig. column. This column lists the number of the figure where the item is identified/located in sections II and III.

(2) Item column. The item number is that number assigned to the item as it appears in the figure referenced in the adjacent figure number column.

(3) Stock number column. This column lists the National stock number for the item.

(4) FSCM column. The Federal supply code for manufacturer (FSCM) is a 5-digit numeric code used to identify the manufacturer, distributor, or Government agency, etc., that supplies the item.

(5) Part number column. Indicates the primary number used by the manufacturer (individual, 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 item.

5. Special Information

a. Usable on Code. The usable on code appears in the lower left corner of the description column heading. Usable on codes are shown as "UOC: " in the description column (justified left) on the first line applicable item description nomenclature. Uncoded items are applicable to all models. Identification of the usable on codes used in this RPSTL are:

<u>Code</u>	<u>Used on</u>
2W7	CV-1548/G
2YU	CV-1548A/G

b. Associated Publications. The publications listed below pertain to the CV-1548/G and CV-1548A/G and their components:

TM 11-5805-367-12, Multiplexer TD-202/U, TD-203/U, TD-204/U, TD-352/U, and TD-353/U, Restorer, Pulse Form TD-206/U, and Converter, Telephone Signal CV-1548/G and CV-1548A/G

TM 11-5965-206-14P, Headset-Microphone H-91A/U, Handset-Headset H-144/U, H-144A/U, H-144B/U, T-144C/U and Headset-Microphone H-210/G

c. Illustrations - Listing. The illustrations in this RPSTL are identical to those published in TM 11-5805-367-34P-5. Only those parts coded "C" or "O" in the third position of the SMR code are listed in the tabular listing; therefore, there may be a break in the item number sequence, figure number and page number. Only illustrations containing organizational or aviation unit authorized items appear in this RPSTL.

d. National Stock Numbers. 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: AMSEL-LC-MM, Fort Monmouth, NJ 07703-5000 for the part required to support your equipment.

6. How to Locate Repair Parts

a. When National stock number or part number is not known.

(1) First. Using the table of contents, determine the assembly group or subassembly group to which the item belongs. This is necessary since figures are prepared for assembly groups and subassembly groups, and listings are divided into the same groups.

(2) Second. Find the figure covering the assembly group or subassembly group to which the item belongs.

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

(4) Fourth. Refer to the Repair Parts List for the figure to find the part number for the item number noted on the figure.

(5) Fifth. Refer to the Part Number Index to find the NSN, if assigned.

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. The NSN index is in National item identification number (NIIN) sequence (para 4a(1)). The part numbers in the part number index are listed in ascending alphabetic sequence (para 4b). Both indexes cross-reference you to the illustration figure and item number of the item you are looking for.

(2) Second. After finding the figure and item number, verify that the item is the one you're looking for, then locate the item number in the repair parts list for the figure.

7. Abbreviations

Not applicable.

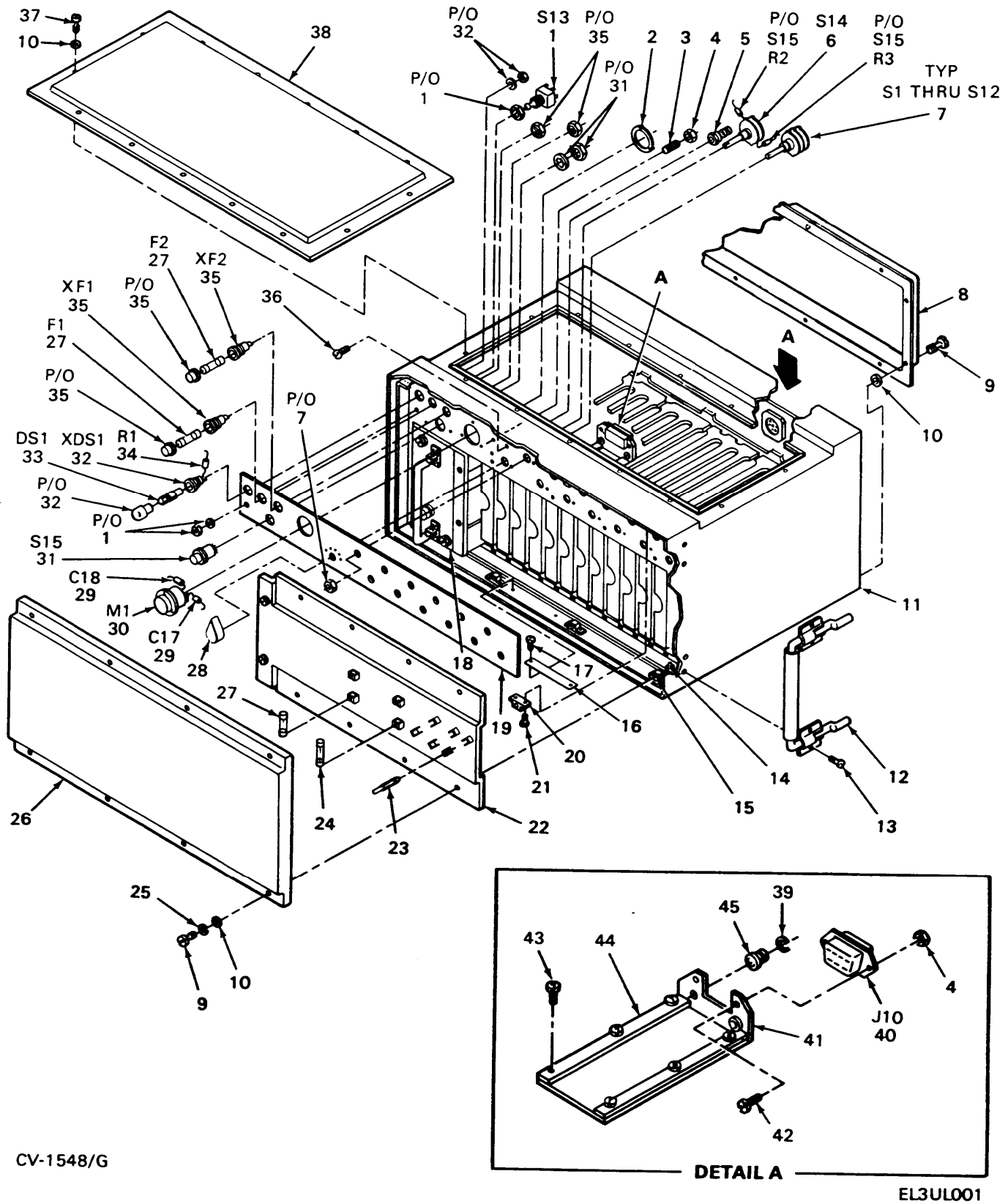
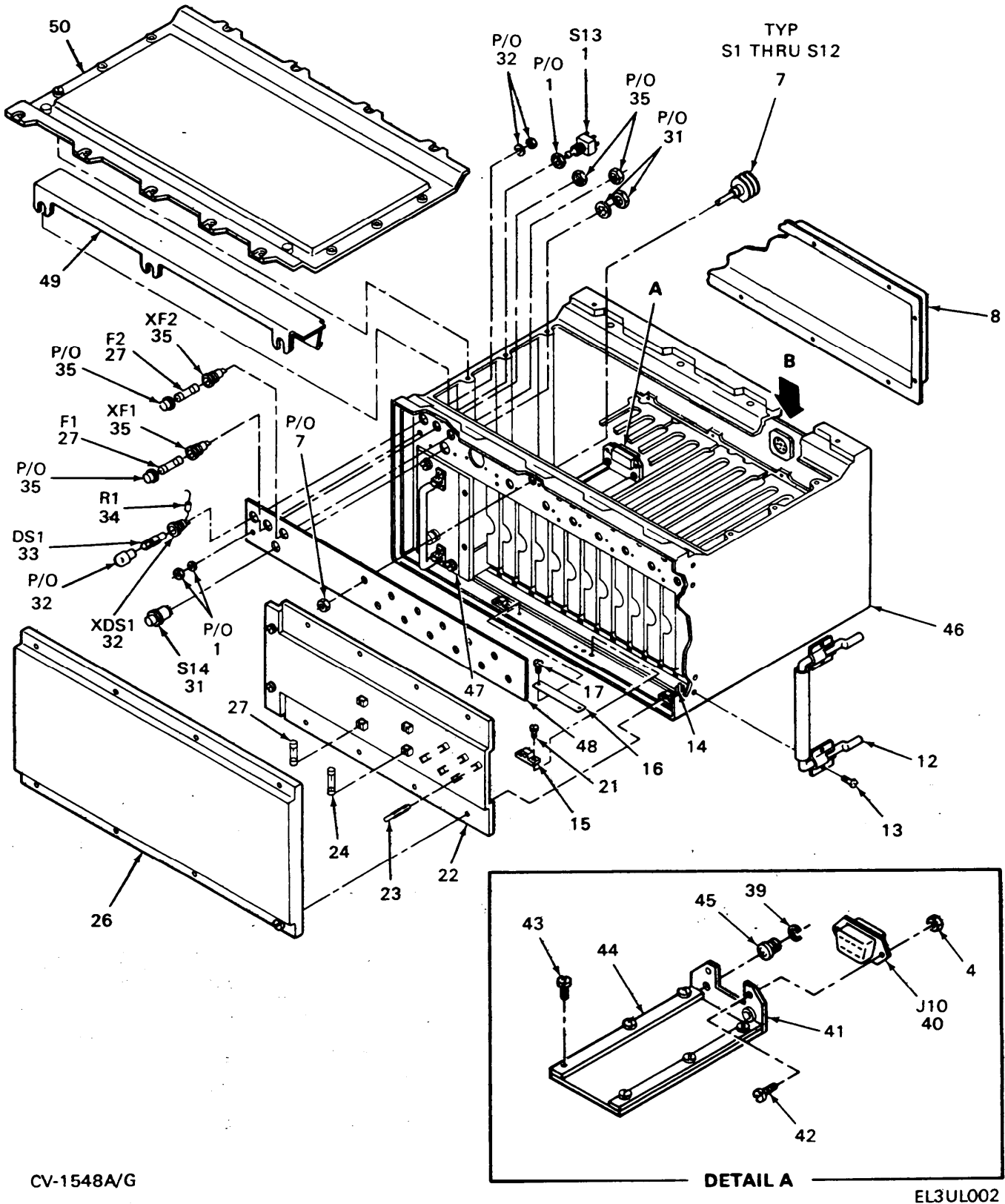


Figure 1. Converter, Telephone Signal CV-1548/G and CV-1548A/G Sheet 1 of 2)

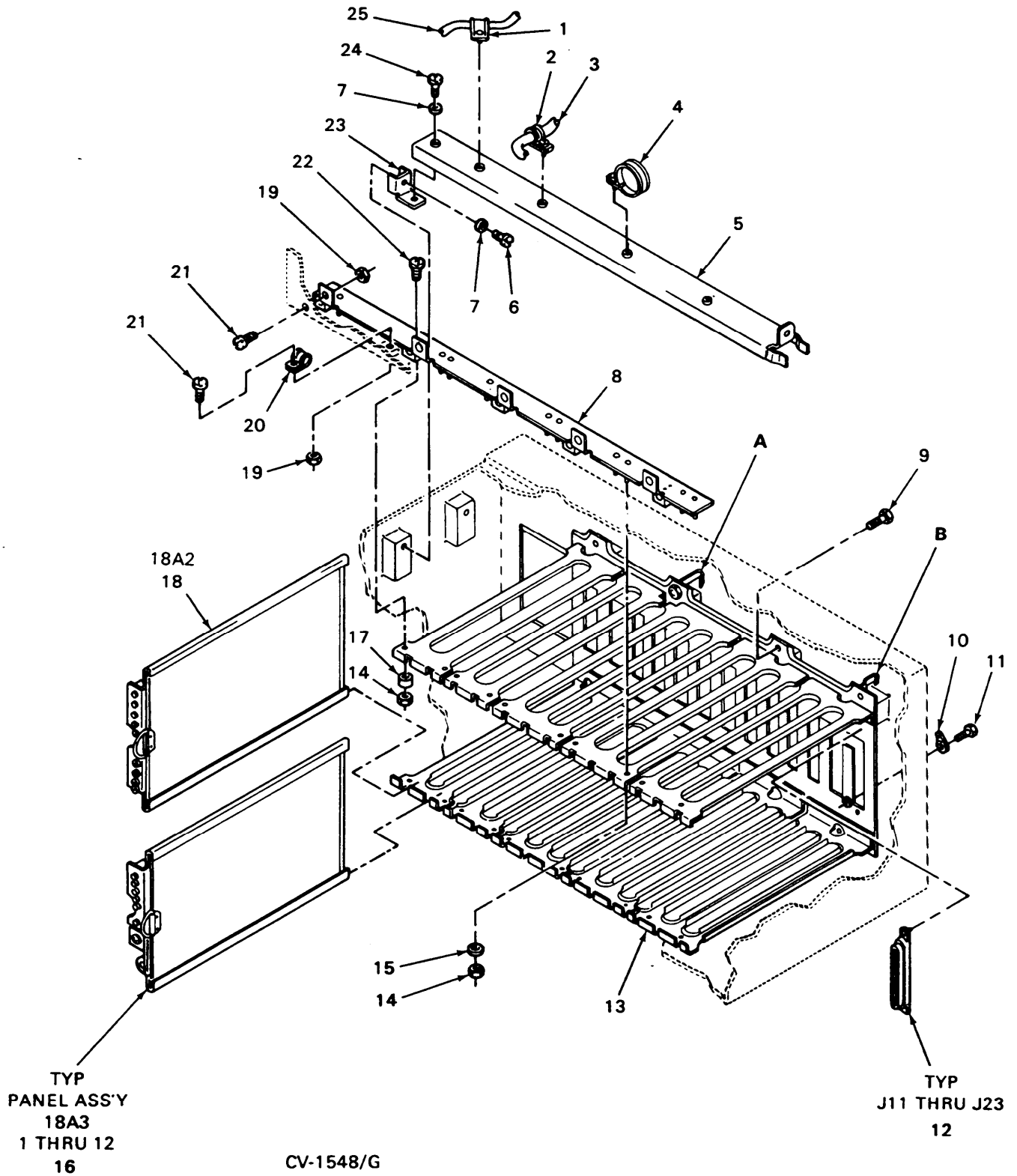


CV-1548A/G

EL3UL002

Figure 1. Converter, Telephone Signal CV-1548/G and CV-1548A/G (Sheet 2 of 2)

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
GROUP 00 CONVERTER, TELEPHONE SIGNAL CV-1548/G AND CV-1548A/G					
FIGURE 1					
18	PAOHH	80063	SM-D-528703	POWER SUPPLY (SEE FIGURE 3 FOR BREAKDOWN) UOC: 2W7	1
23	PAOZZ	08804	35A	LAMP, INCANDESCENT	3
28	PAOZZ	96906	MS91528-1K2B	KNOB UOC: 2W7	1
32	PAOZZ	72619	137-7336-0933-20 3	LIGHT, INDICATOR	1
33	PAOZZ	81349	M15098/11-001	LAMP, GLOW UOC: 2YV	1
47	PAOHH	80063	SM-D-984486	POWER SUPPLY (SEE FIGURE 3 FOR BREAKDOWN) UOC: 2YV	1
END OF FIGURE					



EL3UL004

Figure 2. Converter, Telephone Signal CV-1548/G and CV-1548A/G (Panel Assembly)
Sheet 1 of 2)

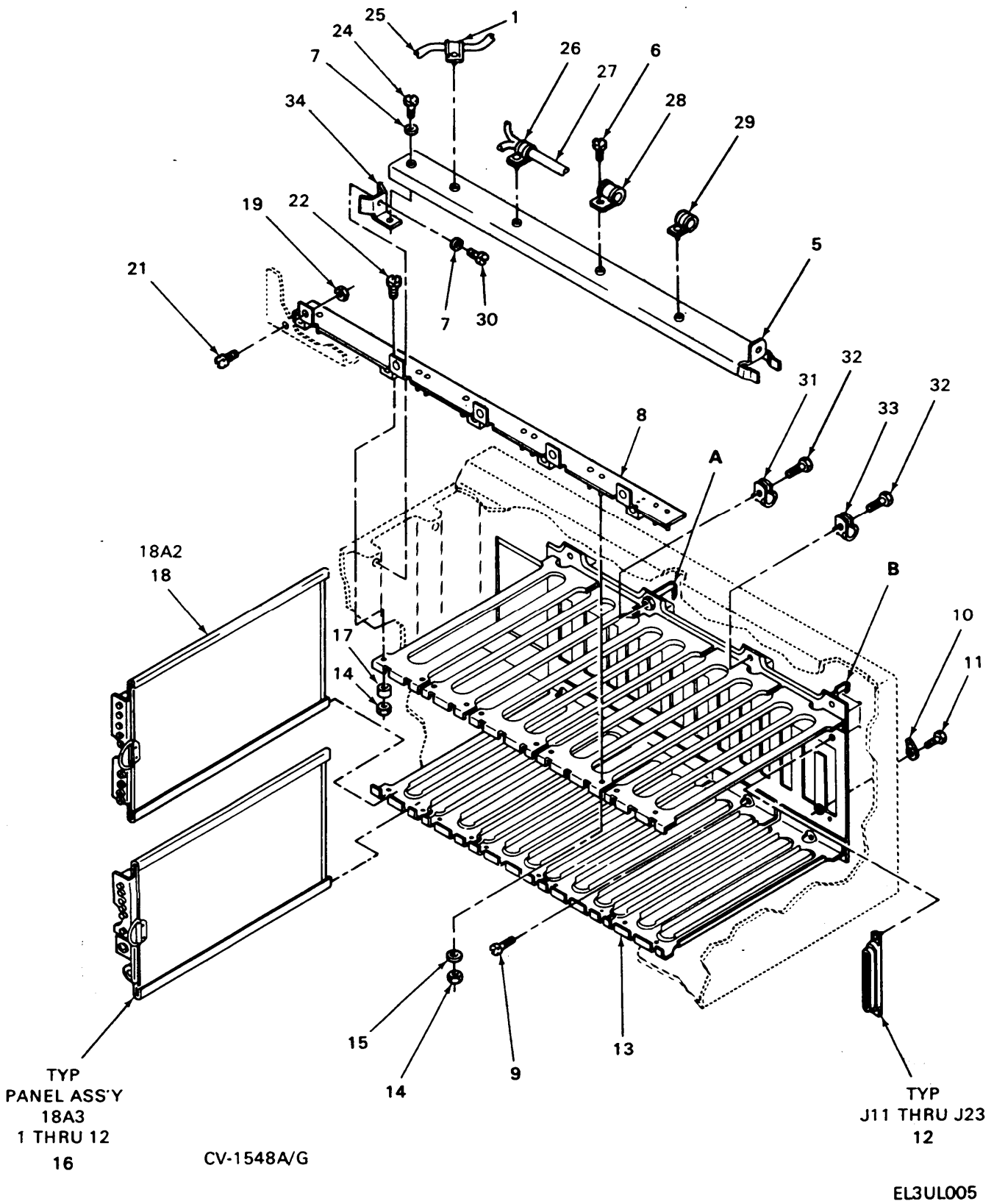


Figure 2. Converter, Telephone Signal CV-1548/G and CV-1548A/G (Panel Assembly)
(Sheet 2 of 2)

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
GROUP 01 CONVERTER, TELEPHONE SIGNAL CV-1548/G AND CV-1548A/G (PANEL ASSEMBLY)					
FIGURE 2					
16	PAOLL	80063	SM-E-528712	CIRCUIT CARD ASSEMB (SEE FIGURE 6 FOR BREAKDOWN)	12
16	PAOHH	80063	SM-E-528761	CIRCUIT CARD ASSEMB (SEE FIGURE 7 FOR BREAKDOWN)	12
18	PAOLL	80063	SM-D-528511	INTERCHANGEABLE WITH 18A3 CONVERTER SUBASSEMB (SEE FIGURE 5 FOR BREAKDOWN)	1
END OF FIGURE					

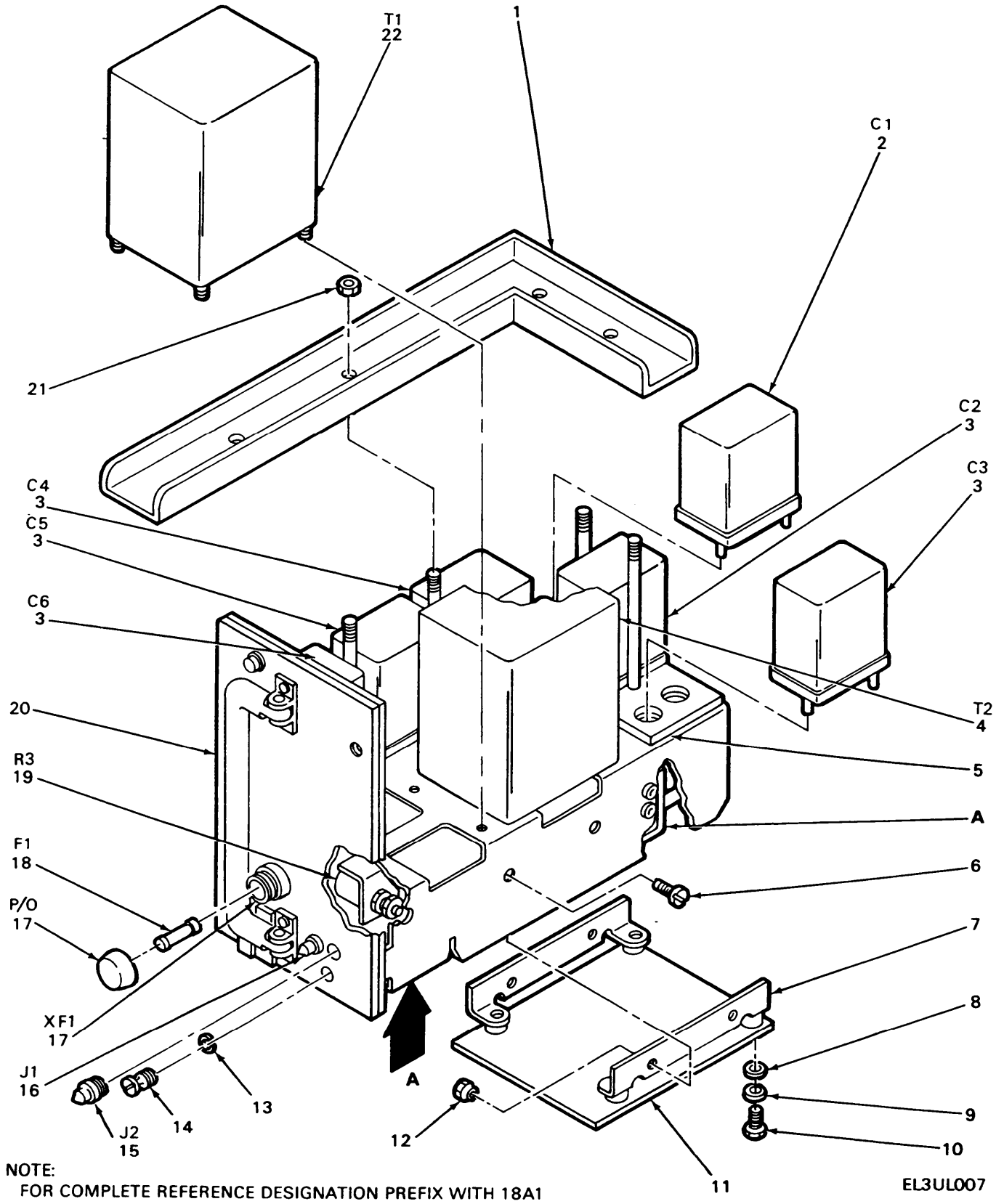
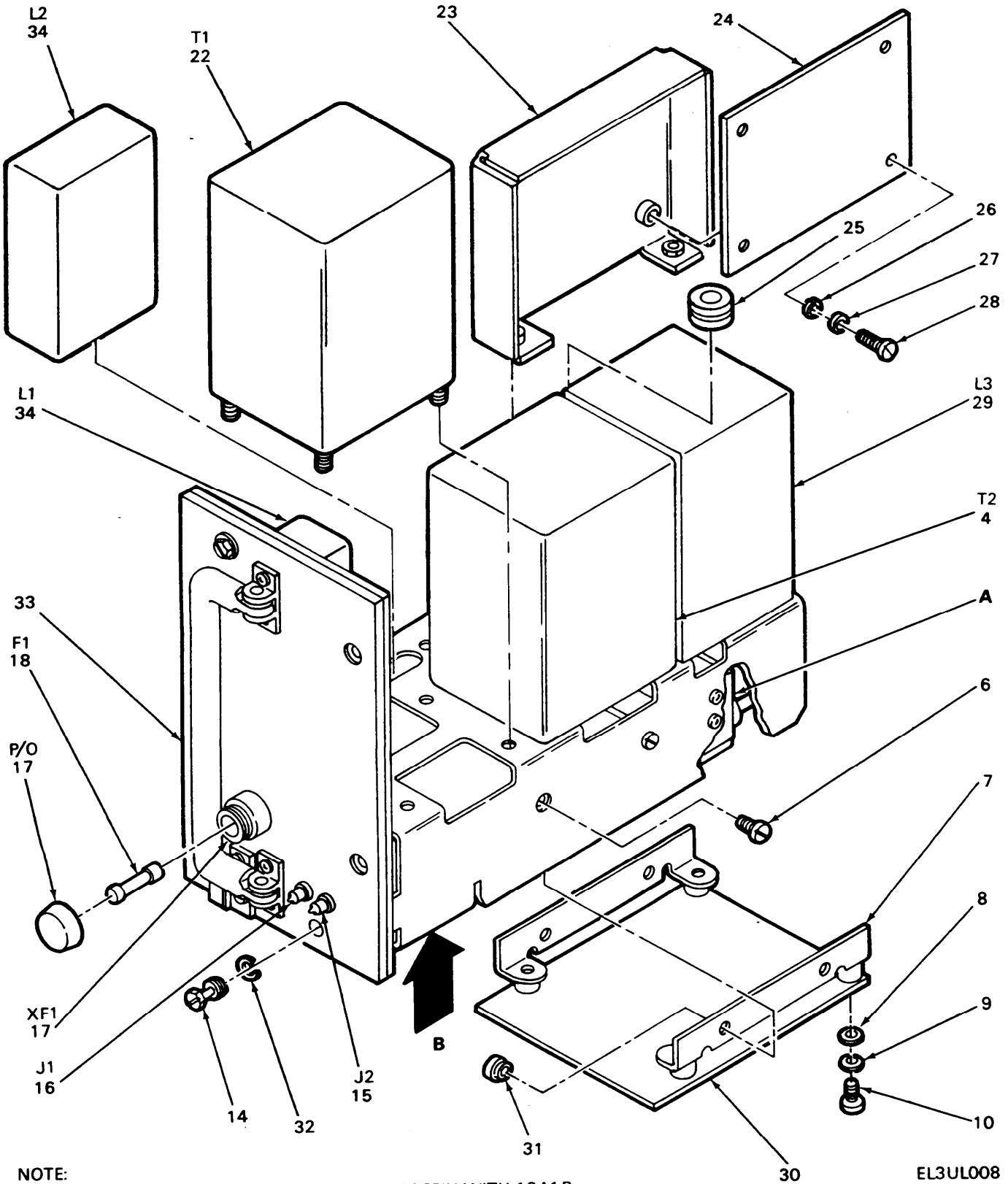


Figure 3. Power Supply (A1) (Sheet 1 of 2)

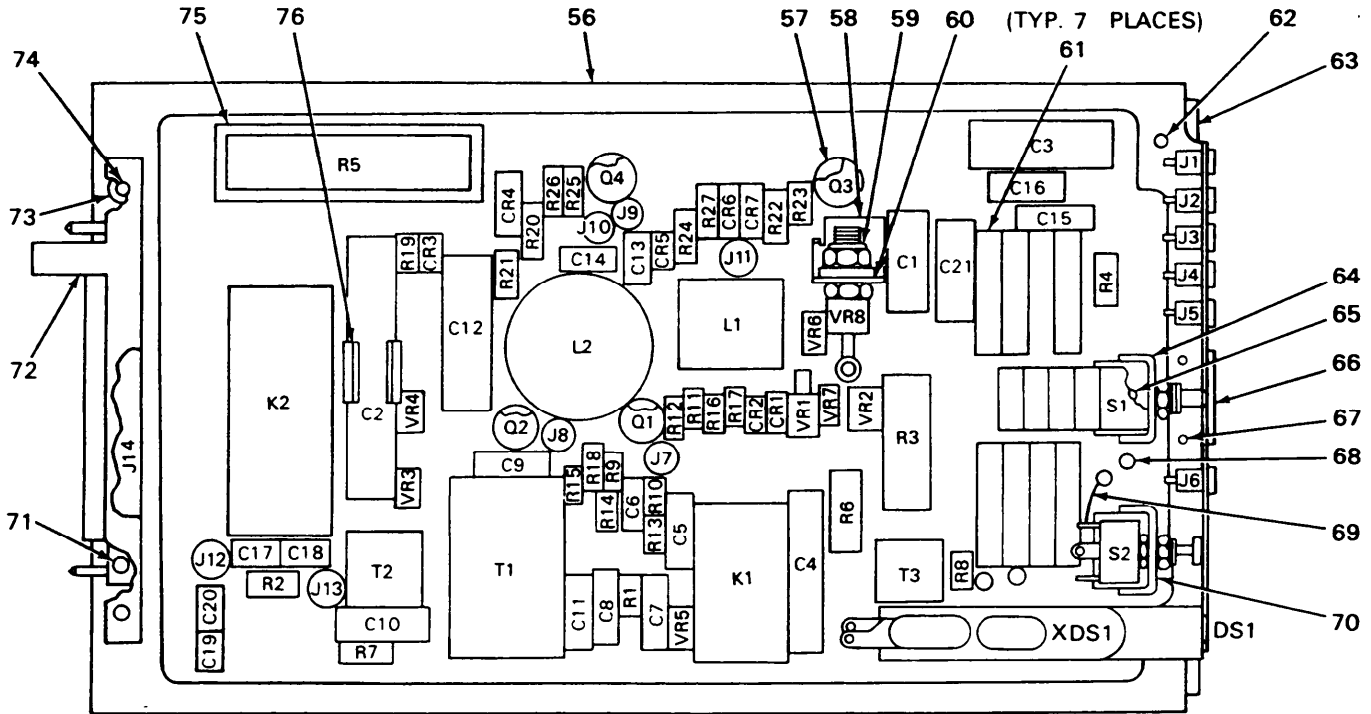


NOTE:
FOR COMPLETE REFERENCE DESIGNATION PREFIX WITH 18A1B

EL3UL008

Figure 3. Power Supply (A1) (Sheet 2 of 2)

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
				GROUP 02 POWER SUPPLY (A1)	
				FIGURE 3	
18	PAOZZ	81349	F02A250V1-1/2A	FUSE CARTRIDGE	1
				END OF FIGURE	



NOTE: FOR COMPLETE REFERENCE DESIGNATION
PREFIX WITH 18A3A, B

REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.	REF. DES.	ITEM NO.
CR1	1	C8	6	DS1	13	J14	21	R6	32	R20	43	VR2	51
CR2	1	C9	6	J1	14	K1	22	R7	28	R21	43	VR3	52
CR3	1	C10	8	J2	15	K2	23	R8	33	R22	36	VR4	52
CR4	1	C11	6	J3	16	L1	24	R9	34	R23	44	VR5	52
CR5	1	C12	9	J4	17	L2	25	R10	35	R24	45	VR6	53
CR6	1	C13	10	J5	18	Q1	26	R11	36	R25	45	VR7	53
CR7	1	C14	10	J6	19	Q2	26	R12	36	R26	45	VR8	54
C1	2	C15	11	J7	20	Q3	26	R13	37	R27	42	XDS1	55
C2	3	C16	11	J8	20	Q4	26	R14	38	S1	46		
C3	4	C17	12	J9	20	R1	27	R15	39	S2	47		
C4	5	C18	12	J10	20	R2	28	R16	40	T1	48		
C5	6	C19	12	J11	20	R3	29	R17	41	T2	49		
C6	7	C20	12	J12	20	R4	30	R18	33	T3	50		
C7	6	C21	2	J13	20	R5	31	R19	42	VR1	51		

Figure 6. Circuit Card Assembly (A3A, B)

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
				GROUP 05 CIRCUIT CARD ASSEMBLY (A3A,B)	
				FIGURE 6	
13	PAOZZ	08804	35A	LAMP, INCANDESCENT	1
				END OF FIGURE	

CROSS-REFERENCE INDEXES

NATIONAL STOCK NUMBER INDEX

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
5920-00-050-4953	3	18			
6130-00-466-0158	1	18			
	1	47			
5805-00-466-0167	2	16			
5355-00-556-0145	1	28			
5805-00-926-3251	2	16			
5805-00-930-4838	2	18			
6210-00-969-0092	1	32			

CROSS-REFERENCE INDEXES

FSCM	PART NUMBER	PART NUMBER INDEX		FIG.	ITEM
		STOCK NUMBER			
81349	F02A250V1-1/2A	5920-00-050-4953		3	18
96906	MS91528-1K2B	5355-00-556-0145		1	28
81349	M15098/11-001			1	33
80063	SM-D-528511	5805-00-930-4838		2	18
80063	SM-D-528703	6130-00-466-0158		1	18
80063	SM-D-984486	6130-00-466-0158		1	47
80063	SM-E-528712	5805-00-926-3251		2	16
80063	SM-E-528761	5805-00-466-0167		2	16
72619	137-7336-0933-20	6210-00-969-0092		1	32
	3				
08804	35A			1	23
				6	13

CROSS-REFERENCE INDEXES

FIGURE AND ITEM NUMBER INDEX				
FIG.	ITEM	STOCK NUMBER	FSCM	PART NUMBER
1	18	6130-00-466-0158	80063	SM-D-528703
1	23		08804	35A
1	28	5355-00-556-0145	96906	MS91528-1K2B
1	32	6210-00-969-0092	72619	137-7336-0933-20 3
1	33		81349	M15098/11-001
1	47	6130-00-466-0158	80063	SM-D-984486
2	16	5805-00-466-0167	80063	SM-E-528761
2	16	5805-00-926-3251	80063	SM-E-528712
2	18	5805-00-930-4838	80063	SM-D-528511
3	18	5920-00-050-4953	81349	F02A250V1-1/2A
6	13		08804	35A

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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		19	
45			

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

SAMPLE

PRINTED NAME, GRADE OR TITLE, AND TELEPHONE NUMBER

SSG I. M. DeSpirit of 999-1776

SIGN HERE

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PUBLICATION DATE

15 July 1989

PUBLICATION TITLE

Converter, Telephone Signal
CV-1548/G and CV-1548A/G

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

DA FORM 2028-2
1 JUL 79

PREVIOUS EDITIONS ARE OBSOLETE

P.S.--IF YOUR OUTFIT WANTS TO KNOW ABOUT YOUR RECOMMENDATION MAKE A CARBON COPY OF THIS AND GIVE IT TO YOUR HEADQUARTERS.

FILL IN YOUR
UNIT'S ADDRESS

FOLD BACK

DEPARTMENT OF THE ARMY

OFFICIAL BUSINESS

TEAR ALONG PERFORATED LINE

Commander
US Army Communications-Electronics Command
and Fort Monmouth
ATTN: AMSEL-LC-ME-PS
Fort Monmouth, New Jersey 07703-5000

THE METRIC SYSTEM AND EQUIVALENTS

WEIGHT MEASURE

1 Centimeter = 10 Millimeters = 0.01 Meters = 0.3937 Inches
 1 Meter = 100 Centimeters = 1000 Millimeters = 39.37 Inches
 1 Kilometer = 1000 Meters = 0.621 Miles

WEIGHTS

1 Gram = 0.001 Kilograms = 1000 Milligrams = 0.035 Ounces
 1 Kilogram = 1000 Grams = 2.2 lb.
 1 Metric Ton = 1000 Kilograms = 1 Megagram = 1.1 Short Tons

LIQUID MEASURE

1 Milliliter = 0.001 Liters = 0.0338 Fluid Ounces
 1 Liter = 1000 Milliliters = 33.82 Fluid Ounces

SQUARE MEASURE

1 Sq. Centimeter = 100 Sq. Millimeters = 0.155 Sq. Inches
 1 Sq. Meter = 10,000 Sq. Centimeters = 10.76 Sq. Feet
 1 Sq. Kilometer = 1,000,000 Sq. Meters = 0.386 Sq. Miles

CUBIC MEASURE

1 Cu. Centimeter = 1000 Cu. Millimeters = 0.06 Cu. Inches
 1 Cu. Meter = 1,000,000 Cu. Centimeters = 35.31 Cu. Feet

TEMPERATURE

$5/9(^{\circ}\text{F} - 32) = ^{\circ}\text{C}$
 212° Fahrenheit is equivalent to 100° Celsius
 90° Fahrenheit is equivalent to 32.2° Celsius
 32° Fahrenheit is equivalent to 0° Celsius
 $9/5^{\circ}\text{C} + 32 = ^{\circ}\text{F}$

APPROXIMATE CONVERSION FACTORS

TO CHANGE	TO	MULTIPLY BY
Inches	Centimeters	2.540
Feet	Meters	0.305
Yards	Meters	0.914
Miles	Kilometers	1.609
Square Inches	Square Centimeters	6.451
Square Feet	Square Meters	0.093
Square Yards	Square Meters	0.836
Square Miles	Square Kilometers	2.590
Acres	Square Hectometers	0.405
Cubic Feet	Cubic Meters	0.028
Cubic Yards	Cubic Meters	0.765
Fluid Ounces	Milliliters	29.573
its	Liters	0.473
arts	Liters	0.946
allons	Liters	3.785
Ounces	Grams	28.349
Pounds	Kilograms	0.454
Short Tons	Metric Tons	0.907
Pound-Feet	Newton-Meters	1.356
Pounds per Square Inch	Kilopascals	6.895
Miles per Gallon	Kilometers per Liter	0.425
Miles per Hour	Kilometers per Hour	1.609

TO CHANGE	TO	MULTIPLY BY
Centimeters	Inches	0.394
Meters	Feet	3.280
Meters	Yards	1.094
Kilometers	Miles	0.621
Square Centimeters	Square Inches	0.155
Square Meters	Square Feet	10.764
Square Meters	Square Yards	1.196
Square Kilometers	Square Miles	0.386
Square Hectometers	Acres	2.471
Cubic Meters	Cubic Feet	35.315
Cubic Meters	Cubic Yards	1.308
Milliliters	Fluid Ounces	0.034
Liters	Pints	2.113
Liters	Quarts	1.057
ers	Gallons	0.264
ms	Ounces	0.035
ograms	Pounds	2.205
Metric Tons	Short Tons	1.102
Newton-Meters	Pounds-Feet	0.738
Kilopascals	Pounds per Square Inch	0.145
ometers per Liter	Miles per Gallon	2.354
ometers per Hour	Miles per Hour	0.621



PIN: 033415-000