

**TECHNICAL MANUAL**

**ORGANIZATIONAL AND DIRECT SUPPORT MAINTENANCE  
REPAIR PARTS AND SPECIAL TOOLS LIST  
(INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)  
FOR**

**INTERCOMMUNICATION STATION LS-147F/FI  
(NSN 5830-01-008-3126)**

Distribution authorized to the Department of Defense and DOD contractors only for official use or for administration or operational purposes. This determines was made on 15 August 1988. Other requests for this document will be referred to Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: AMSEL-LC-ME-P, Fort Monmouth, NJ 07703-5000

DESTRUCTION NOTICE-Destroy by any method that will prevent disclosures of contents or reconstruction of the document.

---

**HEADQUARTERS, DEPARTMENT OF THE ARMY  
15 DECEMBER 1988**

Technical Manual  
No. 11-5830-256-23P

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
Washington, DC, 15 December 1988

ORGANIZATIONAL AND DIRECT SUPPORT MAINTENANCE  
REPAIR PARTS AND SPECIAL TOOLS LIST  
(INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)

FOR

INTERCOMMUNICATION STATION LS-147F/FI  
(NSN 5830-01-008-3126)

Current as of 15 September 1988

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. 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 . . . . .	1-1	
Group	ØØ	Intercommunication Station LS-147F/FI . . . . .	1-1	1
Section	III.	Special Tools List (Not applicable)		
	IV.	Cross-Reference Indexes		
		National Stock Number Index . . . . .	I-1	
		Part Number Index . . . . .	I-2	
		Figure and Item Number Index . . . . .	I-3	

\*This manual supersedes TM 11-5830-256-23P, 4 August 1981.

## 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 and direct support maintenance of the LS-147F/FI. 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 item number sequence. Figure numbers are listed directly beneath the group header.

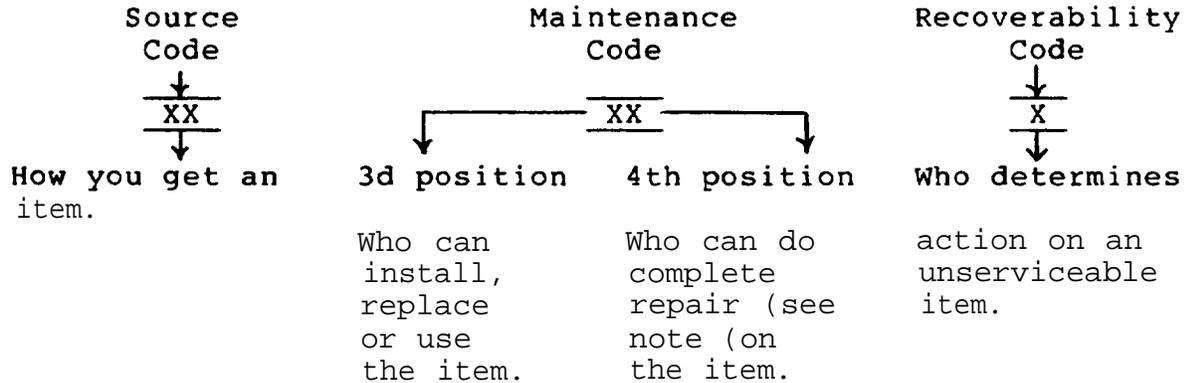
b. Section III. Special Tools List. Not applicable.

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 alphabetic 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 instruction, 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.

<u>Code</u>	<u>Explanation</u>
<p><b>MO</b> - Made at org/AVUM category</p> <p><b>MF</b> - Made at DS/AVIM category</p> <p><b>MH</b> - Made at GS category</p> <p><b>ML</b> - Made at Specialized Repair Activity (SRA)</p> <p><b>MD</b> - Made at Depot</p>	<p>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.</p>

<p><b>AO</b> - Assembled by org/AVUM category</p> <p><b>AF</b> - Assembled by DS/AVIM category</p> <p><b>AH</b> - Assembled by GS category</p> <p><b>AL</b> - Assembled by SRA</p> <p><b>AD</b> - Assembled by Depot</p>	<p>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.</p>
--	---

<u>Code</u>	<u>Explanation</u>
<b>XA</b>	Do not requisition an "XA" coded item. Order its next higher assembly.
<b>XB</b>	If an "XB" item is not available from salvage, order it using the FCSM and part number given.
<b>xc</b>	Installation drawing, diagram, instruction sheet, field service drawing, that is identified by manufacturer's part number .
<b>XD</b>	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 759-1.

(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., perform 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.



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) 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.

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

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.

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. Associated Publications. The following publications pertain to the LS-147F/FI and its components:

- SB 11-631, Identification Plates and Name Plates for Communication Equipment
- TM 11-5830-256-13, Intercommunication Station LS-147F/FI.

b. 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 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.

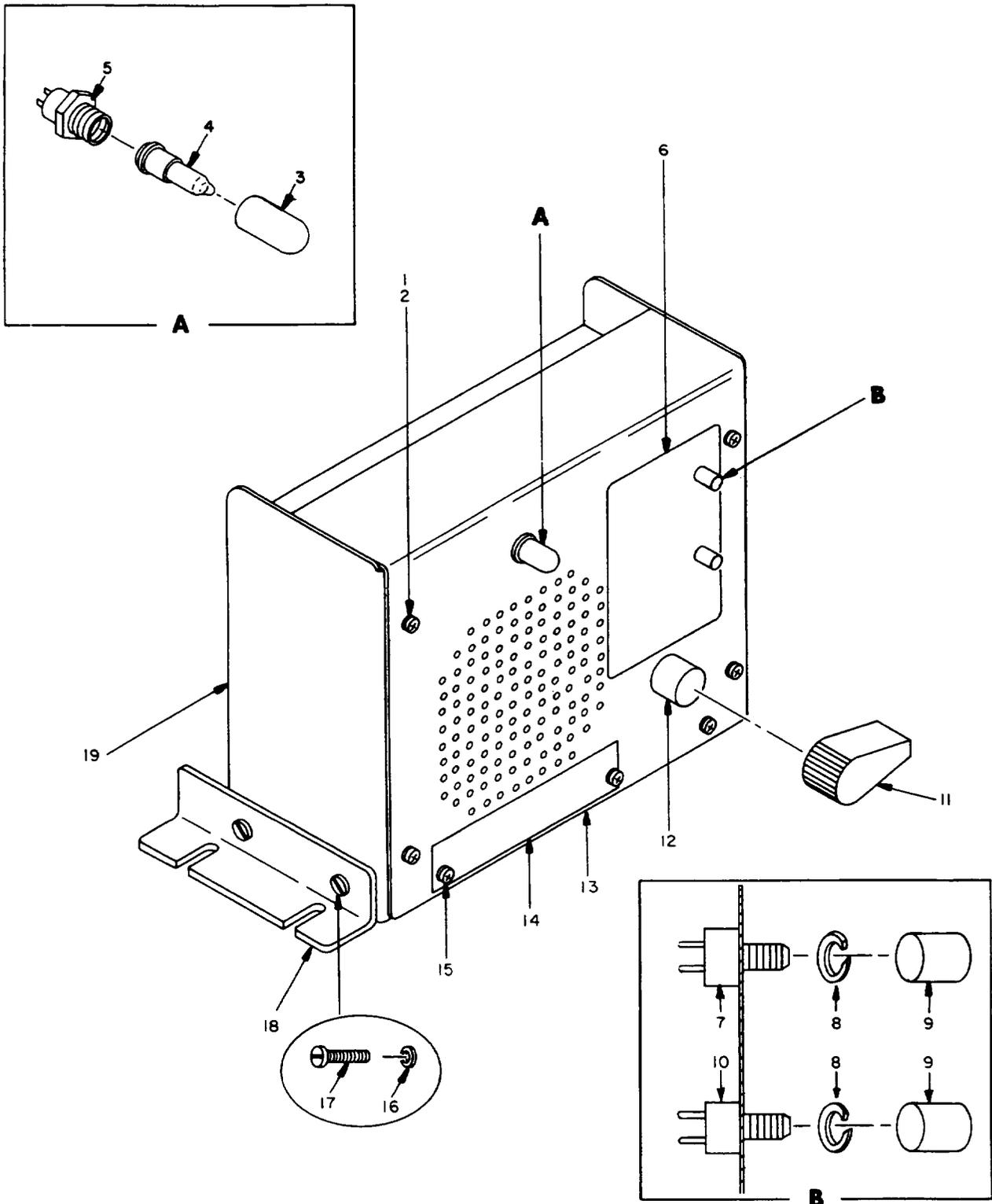
When National stock number or part number is known.

(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 alphameric 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.

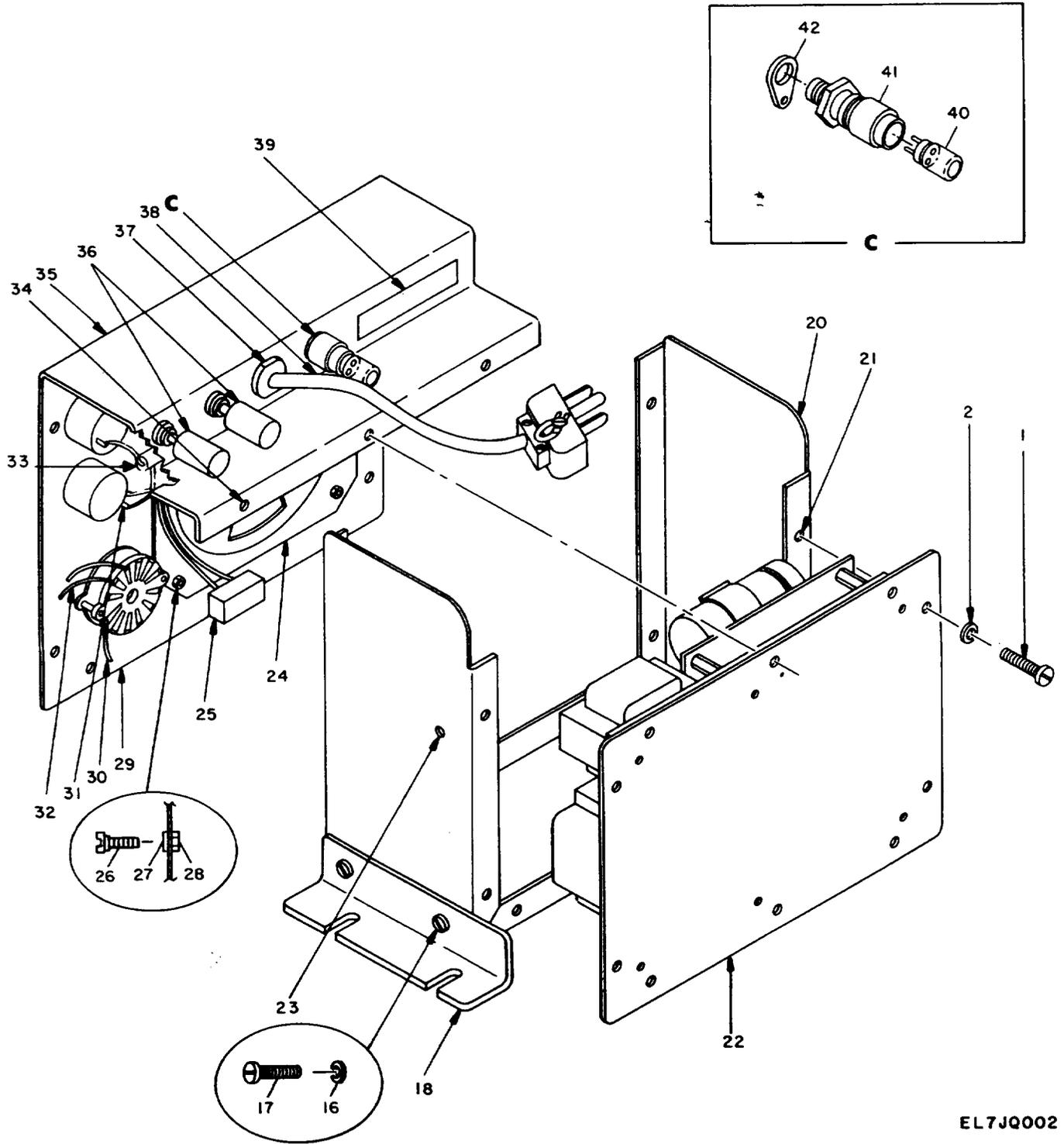
## 7. Abbreviations

Not applicable.



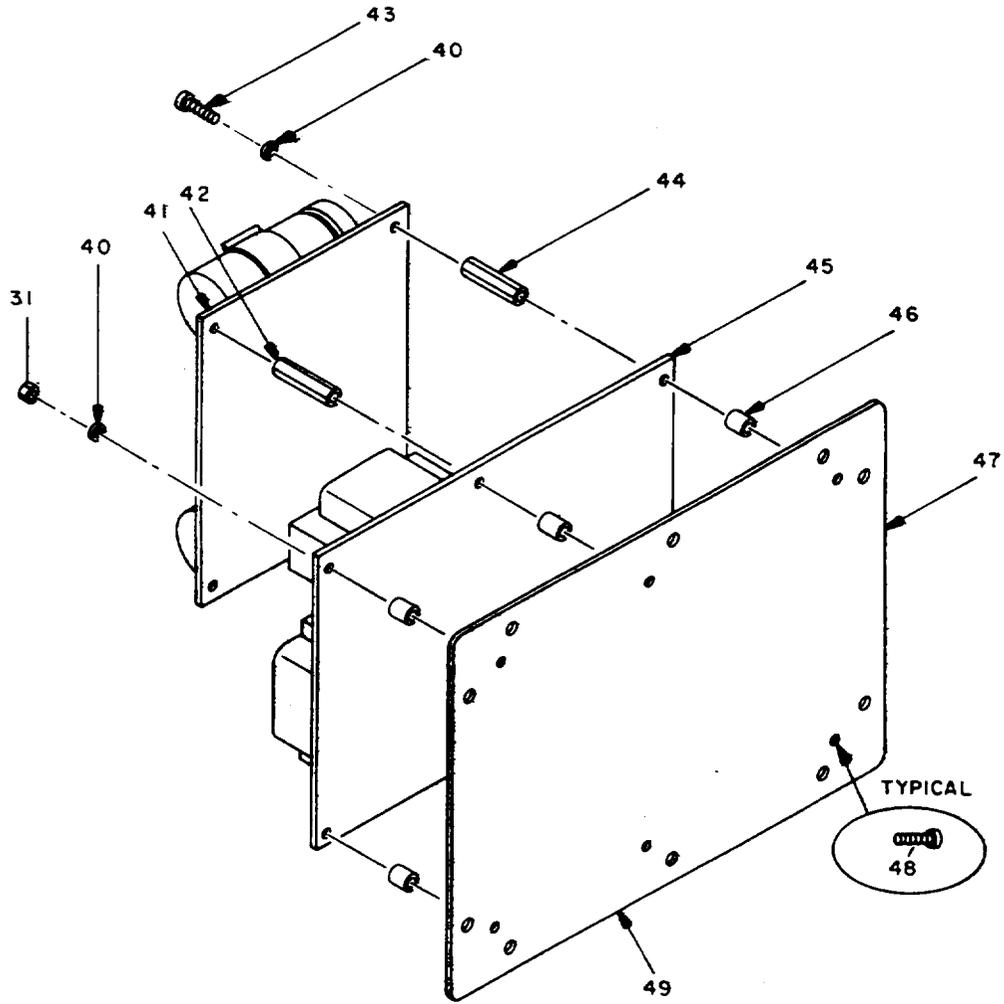
EL7JQ001

Figure 1. Intercommunications Station LS-147F/FI (Sheet 1 of 3 )



EL7JQ002

Figure 1. Intercommunications Station LS-147F/FI (Sheet 2 of 3)



DETAIL C

EL7JQ003

Figure 1. Intercommunications Station LS-147F\FI (Sheet 3 of 3)

## SECTION II

TM11-5830-256-23P

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
GROUP 00 INTERCOMMUNICATION					
STATION LS-147F/FI					
FIGURE 1					
1	PAFZZ	96906	MS35206-25	SCREW, MACHINE	17
2	PAFZZ	96906	MS27183-5	WASHER, FLAT	17
3	PAOZZ	81349	LC13CN2	LENS, LIGHT	1
4	PAOZZ	81349	M15098/11-001	LAMP, GLOW	1
5	PAFZZ	81349	LH74/1	LIGHT, INDICATOR	1
6	XBFZZ	80063	SC-B-490094	PLATE, INSTRUCTOR	1
7	PAFZZ	81349	RV4NBYS251A	RESISTOR, VARIABLE, N	1
8	PAFZZ	96906	MS35333-76	WASHER, LOCK	2
9	PAOZZ	96906	MS91528-1C2B	KNOB	2
10	PAFZZ	81349	RV4NAYS501A	RESISTOR, VARIABLE, N	1
11	PAOZZ	80063	SC-C-490103	CONTROL, KNOB	1
12	PAFZZ	81349	SR03N30B1MCO	SWITCH, ROTARY	1
13	XBFZZ	80063	SC-D-490087	PANEL ASSY, FRONT	1
14	XBFZZ	80063	SC-B-490097	NAMEPLATE	1
15	PAFZZ	96906	MS35206-243	SCREW, MACHINE	2
16	PAFZZ	96906	MS27183-8	WASHER, FLAT	4
17	PAFZZ	96906	MS35207-262	SCREW, MACHINE	4
18	XBFZZ	80063	SC-C-490102	ANGLE, MOUNTING	2
19	XBFZZ	80063	SC-D-490090	BOX ASSEMBLY	1
20	XBFZZ	80063	SC-D-490090-1	BOX	1
21	PAFZZ	99256	LK632-2	NUT, SELF-LOCKING, CL	14
22	XBFZZ	80063	SC-D-490089	PANEL ASSY, REAR	1
23	XBFZZ	80063	SC-D-539781-11	NUT, SLFLKG, CLINCH	11
24	PAFZZ	74199	77-7430	LOUDSPEAKER, PERMANE	1
25	XBFZZ	80063	SC-D-490120	WIRING HARNESS	1
26	PAFZZ	96906	MS21042-08	NUT, SELF-LOCKING, EX	4
27	PAFZZ	96906	MS27183-7	WASHER, FLAT	4
28	XBFZZ	80063	SC-D-539676-21	STUD, CLINCH	4
29	XBFZZ	80063	SC-D-49088-1	COVER, FRONT	1
30	XBFZZ	81349	MIL-W-16878 TYPE B-20 ORN	WIRE, ELECTRICAL	V
31	PAFZZ	96906	MS21042-06	NUT, SELF-LOCKING, EX	2
32	XBFZZ	81349	MIL-W-16878 TYPE B-20 WHT	WIRE, ELECTRICAL	V
33	PAFZZ	81349	RCR20G471S	RESISTOR, FIXED, COMP	1
34	PAFZZ	99256	LK632-2	NUT, SELF-LOCKING, CL	3
35	XBFZZ	80063	SC-D-49088	COVER ASSY, FRONT	1
36	PAFZZ	81349	PB08NA01	POST, BINDING, ELECTR	2
37	XBFZZ	80063	SC-C-490106	BUSHING, STRAIN RELI	1
38	XBFZZ	80063	SC-D-490119	CABLE ASSY, POWER	1
39	MDFZZ	80063	SC-B-49104	PLATE, IDENT (SEE SB11-631 FOR INSTRUCTIONS)	1
40	PAOZZ	81349	M23419/2-015	FUSE, CARIDGE	1
41	XBFZZ	75915	X6691	FUSEHOLDER	1
42	PAFZZ	06540	20212	TERMINAL, LUG	1
43	PAFZZ	96906	MS35206-241	SCREW, MACHINE	4

## SECTION II

TM11-5830-256-23P

(1) ITEM NO	(2) SMR CODE	(3) FSCM	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODE (UOC)	(6) QTY
44	XBFZZ	83330	8423	SPACER, HEXAGONAL	2
45	PAFZZ	80063	SC-D-490091	INTERCOMMUNICATION	1
46	XBFZZ	83330	8501	SPACER, SLEEVE	6
47	XBFZZ	80063	SC-D-490093	COVER ASSY, REAR	1
48	XBFZZ	80063	SC-D-539676-15	STUD, CLINCH	4
49	XBFZZ	80063	SC-D-490093-1	COVER, REAR	1

END OF FIGURE

SECTION IV

CROSS-REFERENCE INDEXES

NATIONAL STOCK NUMBER INDEX

STOCK NUMBER	FIG.	ITEM	STOCK NUMBER	FIG.	ITEM
6210-00-078-7626	1	3			
5905-00-111-4858	1	33			
5930-00-146-1300	1	12			
5310-00-180-0277	1	8			
5905-00-552-2859	1	10			
5905-00-577-9978	1	7			
5965-00-752-5764	1	24			
5310-00-775-5063	1	21			
	1	34			
5310-00-807-1465	1	31			
5310-00-807-1466	1	26			
6210-00-809-4274	1	5			
5310-00-809-8544	1	27			
5310-00-809-8546	1	16			
6240-00-892-4420	1	4			
5940-00-937-5237	1	36			
5355-00-965-4891	1	9			
5310-00-983-8483	1	2			
5305-00-984-4988	1	1			
5305-00-984-6189	1	43			
5305-00-984-6191	1	15			
5305-00-989-6265	1	17			
5830-01-012-3615	1	45			
5940-01-045-4213	1	42			
5355-01-108-0543	1	11			

## CROSS-REFERENCE INDEXES

FSCM	PART NUMBER	PART NUMBER INDEX STOCK NUMBER	FIG.	ITEM
81349	LC13CN2	6210-00-078-7626	1	3
81349	LH74/1	6210-00-809-4274	1	5
99256	LK632-2	5310-00-775-5063	1	21
			1	34
81349	MIL-W-16878 TYPE B-20 ORN		1	30
81349	MIL-W-16878 TYPE B-20 WHT		1	32
96906	MS21042-06	5310-00-807-1465	1	31
96906	MS21042-08	5310-00-807-1466	1	26
96906	MS27183-5	5310-00-983-8483	1	2
96906	MS27183-7	5310-00-809-8544	1	27
96906	MS27183-8	5310-00-809-8546	1	16
96906	MS35206-241	5305-00-984-6189	1	43
96906	MS35206-243	5305-00-984-6191	1	15
96906	MS35206-25	5305-00-984-4988	1	1
96906	MS35207-262	5305-00-989-6265	1	17
96906	MS35333-76	5310-00-180-0277	1	8
96906	MS91528-1C2B	5355-00-965-4891	1	9
81349	M15098/11-001	6240-00-892-4420	1	4
81349	M23419/2-015		1	40
81349	PB08NA01	5940-00-937-5237	1	36
81349	RCR20G471S	5905-00-111-4858	1	33
81349	RV4NAYSD501A	5905-00-552-2859	1	10
81349	RV4NBYS251A	5905-00-577-9978	1	7
80063	SC-B-490094		1	6
80063	SC-B-490097		1	14
80063	SC-B-49104		1	39
80063	SC-C-490102		1	18
80063	SC-C-490103	5355-01-108-0543	1	11
80063	SC-C-490106		1	37
80063	SC-D-490087		1	13
80063	SC-D-490089		1	22
80063	SC-D-490090		1	19
80063	SC-D-490090-1		1	20
80063	SC-D-490091	5830-01-012-3615	1	45
80063	SC-D-490093		1	47
80063	SC-D-490093-1		1	49
80063	SC-D-490119		1	38
80063	SC-D-490120		1	25
80063	SC-D-49088		1	35
80063	SC-D-49088-1		1	29
80063	SC-D-539676-15		1	48
80063	SC-D-539676-21		1	28
80063	SC-D-539781-11		1	23
81349	SR03N30B1MCO	5930-00-146-1300	1	12
75915	X6691		1	41
06540	20212	5940-01-045-4213	1	42
74199	77-7430	5965-00-752-5764	1	24
83330	8423		1	44
83330	8501		1	46

## CROSS-REFERENCE INDEXES

FIG.	ITEM	FIGURE AND ITEM NUMBER INDEX		PART NUMBER
		STOCK NUMBER	FSCM	
1	1	5305-00-984-4988	96906	MS35206-25
1	2	5310-00-983-8483	96906	MS27183-5
1	3	6210-00-078-7626	81349	LC13CN2
1	4	6240-00-892-4420	81349	M15098/11-001
1	5	6210-00-809-4274	81349	LH74/1
1	6		80063	SC-B-490094
1	7	5905-00-577-9978	81349	RV4NBYS251A
1	8	5310-00-180-0277	96906	MS35333-76
1	9	5355-00-965-4891	96906	MS91528-1C2B
1	10	5905-00-552-2859	81349	RV4NAYS501A
1	11	5355-01-108-0543	80063	SC-C-490103
1	12	5930-00-146-1300	81349	SR03N30B1MC0
1	13		80063	SC-D-490087
1	14		80063	SC-B-490097
1	15	5305-00-984-6191	96906	MS35206-243
1	16	5310-00-809-8546	96906	MS27183-8
1	17	5305-00-989-6265	96906	MS35207-262
1	18		80063	SC-C-490102
1	19		80063	SC-D-490090
1	20		80063	SC-D-490090-1
1	21	5310-00-775-5063	99256	LK632-2
1	22		80063	SC-D-490089
1	23		80063	SC-D-539781-11
1	24	5965-00-752-5764	74199	77-7430
1	25		80063	SC-D-490120
1	26	5310-00-807-1466	96906	MS21042-08
1	27	5310-00-809-8544	96906	MS27183-7
1	28		80063	SC-D-539676-21
1	29		80063	SC-D-49088-1
1	30		81349	MIL-W-16878 TYPE B-20 ORN
1	31	5310-00-807-1465	96906	MS21042-06
1	32		81349	MIL-W-16878 TYPE B-20 WHT
1	33	5905-00-111-4858	81349	RCR20G471S
1	34	5310-00-775-5063	99256	LK632-2
1	35		80063	SC-D-49088
1	36	5940-00-937-5237	81349	PB08NA01
1	37		80063	SC-C-490106
1	38		80063	SC-D-490119
1	39		80063	SC-B-49104
1	40		81349	M23419/2-015
1	41		75915	X6691
1	42	5940-01-045-4213	06540	20212
1	43	5305-00-984-6189	96906	MS35206-241
1	44		83330	8423
1	45	5830-01-012-3615	80063	SC-D-490091
1	46		83330	8501
1	47		80063	SC-D-490093
1	48		80063	SC-D-539676-15
1	49		80063	SC-D-490093-1

By Order of the Secretary of the Army:

Official:

CARL E. VUONO  
*General, United States Army*  
*Chief of Staff*

**R.L. DILWORTH**  
*Brigadier General, United States Army*  
*The Adjutant General*

**DISTRIBUTION:**

To be distributed in accordance with DA Form 12-51 unit and DS/GS requirements for LS-147F/Fl.

U.S. GOVERNMENT PRINTING OFFICE: 1995- 162-084

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. 07703-5007

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				IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:
PAGE NO	PARA-GRAPH	FIGURE NO	TABLE NO	
33				For item 2, change the NSN to read: 5835-00-134-9186. Reason: Accuracy.
44		19		Identify the cover on the junction box (item no. 5). Reason: It is a separate item and is not called out on figure 19.
45				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

TEAR ALONG PERFORATED LINE



FILL IN YOUR  
UNIT'S ADDRESS

FOLD BACK

DEPARTMENT OF THE ARMY

OFFICIAL BUSINESS

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

TEAR ALONG PERFORATED LINE

# 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

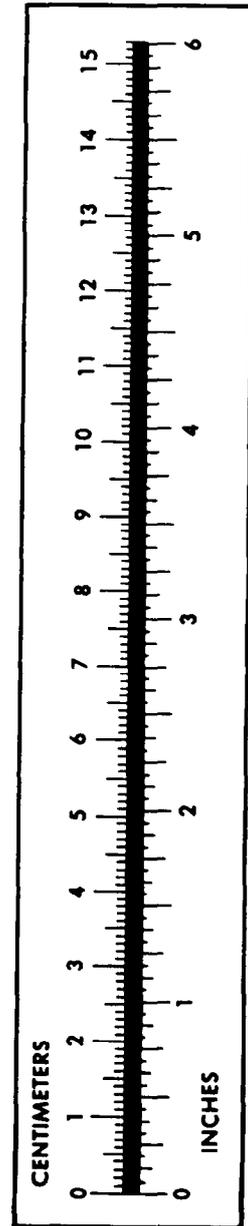
## TEMPERATURE

$5/9(^{\circ}\text{F} - 32) = ^{\circ}\text{C}$   
 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: 049453-000**