NOT MEASUREMENT SENSITIVE

MIL-STD-361-11(TM)
15 JULY 1992

SUPERSEDING
(See 6.5.)

MILITARY STANDARD

MANUALS, TECHNICAL:

REPAIR PARTS AND SPECIAL TOOLS LIST (RPSTL)

AMSC A6760

AREA TMSS

DISTRIBUTION STATEMENT A. Approved for public release, distribution is unlimited.

FOREWORD

1. This military standard is approved for use by the Department of the Army and is available for use by all Departments and Agencies of the Department of Defense (DOD).

2. Beneficial comments (recommendations, additions, and deletions) and any pertinent data which may be of use in improving this document should be addressed to: Commander USAMC Materiel Readiness Support Activity, ATTN: AMXMD-EP, Lexington, Kentucky 40511-5101, by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

3. This document is one part of an 11-part bookform standard to be used in the preparation and acquisition of technical manuals that are essential to support (operate and maintain) the various types of equipment and weapon systems within the Department of the Army.

4. This document establishes the requirements for preparation of Repair Parts and Special Tools Lists (RPSTL).

5. Other parts of this multi-part standard are:

MIL-STD-361-1	-	Writing Style and Format Requirements.
MIL-STD-361-2	-	Comprehensibility Requirements.
MIL-STD-361-3	-	Requirements for Graphics.
MIL-STD-361-4	-	Quality Assurance Requirements.
MIL-STD-361-5	-	Requirements for Packaging.
MIL-STD-361-6	-	Introductory Information with Theory of Operations Requirements.
MIL-STD-361-7	-	Operator and Preventive Maintenance Instructions.
MIL-STD-361-8	-	Maintenance Instructions.
MIL-STD-361-9	-	Troubleshooting Procedures.
MIL-STD-361-10	-	Lubrication Instructions.

6. By incorporating standardized and service-unique technical manual requirements, this document and its dash-numbered companion parts, along with the general acquisition specification MIL-M-63008, Acquisition/Preparation Requirements, support the acquisition of technical manuals.

CONTENTS

PARAGRAPH		PAGE
1.	SCOPE	1
1.1	Scope	1
1.2	Purpose	1
1.3	Applicability	1
1.4	Selective application and tailoring	1
2.	APPLICABLE DOCUMENTS	2
2.1	Government documents	2
2.1.1	Specifications and standards	2
2.1.2	Other Government document(s) and publication(s)	3
2.2	Order of precedence	3
3.	DEFINITIONS	4
3.1	Acronyms used in this standard	4
3.2	Assembled item	5
3.3	Assembly	5
3.4	Bulk material	5
3.5	Commercial and Government entity code (CAGEC)	5
3.6	Complete part number	5
3.7	Complete repair	5
3.8	Component	5
3.9	Contracting activity	5
3.10	"Current as of" date	5
3.11	Expendable items	5
3.12	Functional group code (FGC)	5
3.13	Limited repair	6
3.14	National stock number (NSN)	6
3.15	Part number (P/N)	6
3.16	Reference designator	6
3.17	Remove/install	6
3.18	Repair part	6
3.19	Replace	6
3.20	SMR code	6
3.21	Spare part	7
3.22	Special tools	7
3.23	Technical manuals (TMs)	7
3.24	Top-down breakdown	7
3.25	Unit	7
3.26	Usable on code (UOC)	7
3.27	Validation	7
3.28	Verification	7
4.	GENERAL REQUIREMENTS	8
5.	DETAILED REQUIREMENTS	9
5.1	Conformance to standard	9
5.2	Technical content preparation	9
5.3	Format	9
5.3.1	Depot repair parts	9
5.3.2	DMWR RPSTL	10

CONTENTS

PARAGRAPH		PAGE
5.4	Content	10
5.4.1	RPSTL TM	10
5.4.1.1	Front matter	10
5.4.1.2	Section I - introduction	11
5.4.1.2.1	Nonapplicable data	19
5.4.1.2.2	Special information	19
5.4.1.2.3	Abbreviations	21
5.4.1.3	Section II - repair parts list	21
5.4.1.3.1	Figure titles and numbering	21
5.4.1.3.2	Item number column	21
5.4.1.3.3	Nonconsecutive item numbers	21
5.4.1.3.4	SMR code column	21
5.4.1.3.5	NSN column	21
5.4.1.3.6	CAGEC and part number columns	21
5.4.1.3.7	Description and usable on code (UOC) columns	21
5.4.1.3.8	Quantity	24
5.4.1.3.9	Basic issue items (BII) (repair parts)/special tools (repair parts)	24
5.4.1.3.10	Expendable and durable items	24
5.4.1.4	Section III - special tools list	24
5.4.1.4.1	Functional grouping	24
5.4.1.4.2	Basis of issue (BOI)	24
5.4.1.4.3	Special tool set/kit line entry(s)	24
5.4.1.4.4	Components listing	25
5.4.1.4.5	D coded items	25
5.4.1.5	Section IV - cross-reference indexes	25
5.4.1.5.1	National stock number (NSN) index	25
5.4.1.5.2	Part number (P/N) index	25
5.4.1.5.3	Reference designator index	25
5.4.1.5.4	Bulk figure	25
5.4.1.5.5	Sets and kits	26
5.4.1.6	Illustrations	26
5.4.1.6.1	Illustration identification numbers	26
5.4.1.6.2	Halftones	26
5.4.1.6.3	Exploded views	26
5.4.1.6.4	Electronic items	26
5.4.1.6.5	Figure numbering	26
5.4.1.6.6	FGC nomenclature	27
5.4.1.6.7	Identical parts/item numbers	27
5.4.1.6.8	Identical assemblies	27
5.4.1.6.9	Arrangement of figures	27
5.4.1.6.10	Blank pages	27
5.4.1.6.11	No duplicate illustrations	27
5.4.1.6.12	Multisheet illustrations	27
5.4.1.6.13	Separate or combined maintenance level RPSTLs	27
5.4.1.6.14	Figure (illustration) and item numbers	28
5.4.1.6.15	Foldout or foldout-foldup illustrations	28
5.4.1.6.16	Reference to illustrations	28
5.4.1.6.16.1	Reference designator	28
5.4.1.7	Horizontal-vertical format	28

CONTENTS

PARAGRAPH		PAGE
5.4.1.8	Figure titles and list headers	28
5.4.1.9	Page numbering	28
5.4.1.9.1	TM RPSTL	28
5.4.1.9.2	Appendix RPSTL	29
5.4.1.10	Changes	29
5.4.1.10.1	Change sheet(s)	29
5.4.1.10.2	Change numbers	29
5.4.1.10.3	Asterisks	29
5.4.1.10.4	Change symbols	29
5.4.1.10.5	Numbering added figures	29
5.4.1.10.6	Numbering added items	30
5.4.1.10.7	Deleted figures and items	30
5.5	Appendix RPSTL	30
5.6	Special requirements	31
5.6.1	Security classification markings	31
5.6.2	Government-furnished data	31
5.6.3	Final reproducible copy	31
5.7	RPSTL quality assurance provisions	31
5.7.1	Responsibility for inspection	31
5.7.1.1	Responsibility for compliance	32
5.7.1.2	Government-furnished data	32
5.7.1.3	In-process reviews (IPRs)	32
5.7.2	Validation	32
5.7.2.1	Introductory material	32
5.7.2.2	Columnar headings	32
5.7.2.3	Sampling plan	32
5.7.2.3.1	Line item entries	33
5.7.2.4	Verification	33
5.8	Quality assurance	33
5.9	Packaging and preparation for delivery	33
6. NOTES		34
6.1	Intended use	34
6.2	Issue of DODISS	34
6.3	Tailoring guidance	34
6.4	Acquisition requirements	34
6.5	Supersession data	34
6.6	Subject term (key word) listing	34

FIGURES		PAGE
1.	Example of RPSTL title block page (sheet 1 of 2) (reference 5.4.1.1b, 5.4.1.1c, 5.4.1.9.1a)	36
1.	Example of RPSTL title block page (sheet 2 of 2) (reference 5.4.1.1b, 5.4.1.1c, 5.4.1.9.1a)	37
2.	Example of Section II illustration (reference 5.4.1.3, 5.4.1.6.1, 5.4.1.9.1c)	38
3.	Example of Section II parts list (reference 5.4.1.3., 5.4.1.3.7e, 5.4.1.3.7f,l 5.4.1.6.8, 5.4.1.9.1c)	39
4.	Example of indentions (next higher assembly) (reference 5.4.1.3.7c, 5.4.1.9.1c)	40

CONTENTS

FIGURES PAGE

5. Example of bulk material list (reference 5.4.1.3.7g, 5.4.1.9.1c) 41
6. Example of kits breakdown option 1 (reference 5.4.1.3.7h, 5.4.1.9.1c) 42
7. Example of kits breakdown option 2 (reference 5.4.1.3.7h, 5.4.1.9.1c) 43
8. Example of special tools list and BOI (reference 5.4.1.4, 5.4.1.4.2) 44
9. Example of national stock number cross-reference index (reference 5.4.1.5, 5.4.1.5.1, 5.4.1.9.1e) 45
10. Example of part number index (reference 5.4.1.5, 5.4.1.5.2, 5.4.1.9.1e) 46
11. Example of reference designator index (reference 5.4.1.5.3) 47
12. Example of electronic items (with reference designators) numbered in clockwise sequence (reference 5.4.1.6.4, 5.4.1.6.16.1) 48
13. Example of electronic items with legend (reference 5.4.1.6.4a) 49
14. Example of change sheet(s) (reference 5.4.1.10.1, 5.4.1.10.3) 50
15. Example of change symbols for illustrations (reference 5.4.1.10.4) 51

TABLES

I. Applicable introduction content list 20

INDEX 52

1. SCOPE

1.1 Scope. This document establishes the format and content requirements for preparation of Repair Parts and Special Tools Lists (RPSTL) for technical manuals (TMs), revisions, supplements, and changes.

1.2 Purpose. This document supplements the various content requirements in the other parts to this 11-part standard for specific types of technical manuals and related publications and does not alone deliver any technical data. (NOTE: The figures used in this document are examples only. The text of this document takes precedence over the figures.)

1.3 Applicability. The applicability of the requirements contained in this document is governed by the equipment, systems, or weapon systems for which the technical manuals are being developed. This document is applicable for use by the Department of the Army.

1.4 Selective application and tailoring. This document contains some requirements that may not be applicable to the preparation of all RPSTLs. Selective application and tailoring of requirements contained in this document are the responsibility of the contracting activity and shall be accomplished through the use of MIL-M-63008. The applicability of some requirements is also designated by one of the following statements:

- unless requirement is specifically excluded by the contracting activity; or
- as/when specified by the contracting activity.

2. APPLICABLE DOCUMENTS

2.1 Government documents.

2.1.1 Specifications and standards. The following specifications and standards form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation. (See 6.2.)

SPECIFICATIONS

MILITARY

MIL-M-63008	-	Manuals, Technical: Acquisition/ Preparation Requirements.

STANDARDS

MILITARY

MIL-STD-12	-	Abbreviations for Use on Drawings, and in Specifications, Standards, and Technical Documents.
DOD-STD-100	-	Engineering Drawing Practices.
MIL-STD-105	-	Sampling Procedures and Tables for Inspection by Attributes.
MIL-STD-361-1	-	Manuals, Technical: Writing Style and Format Requirements.
MIL-STD-361-3	-	Manuals, Technical: Requirements for Graphics.
MIL-STD-361-4	-	Manuals, Technical: Quality Assurance Requirements.
MIL-STD-361-5	-	Manuals, Technical: Requirements for Packaging.
MIL-STD-361-8	-	Manuals, Technical: Maintenance Instructions.
MIL-STD-1388-2	-	DOD Requirements for a Logistic Support Analysis Record.

(Unless otherwise indicated, copies of federal and military specifications and standards are available from Standardization Documents Order Desk, Bldg 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5904.)

HANDBOOKS

MILITARY

H4	-	Cataloging Handbook: Commercial and Government Entity Code (United States and Canada) - Name to Code.
H6	-	Federal Supply Cataloging Handbook.
H8	-	Cataloging Handbook: Commercial and Government Entity Code (United States and Canada) - Code to Name.

(Copies of Handbooks H4, H6 and H8 are available from the Commander, Defense Logistics Services Center, Battle Creek, MI 49017-3084.)

2.1.2 Other Government document(s) and publication(s). The following other Government document/publication forms a part of this document to the extent specified herein. Unless otherwise specified, the issues are those cited in the solicitation.

TB 750-93-1	-	Functional Grouping Codes: Combat, Tactical, and Support Vehicles and Special Purpose Equipment.

(Copies of other Government documents and publications required by the contractor in connection with specific acquisition functions should be obtained from the contracting activity.)

2.2 Order of precedence. In the event of a conflict between the text of this document ("This document" includes all volumes of MIL-STD-361 series.) and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

3. DEFINITIONS

3.1 Acronyms used in this standard. The acronyms used in this standard are defined as follows:

a. BII - Basic Issue Items.

b. BOI - Basis of Issue.

c. CAGEC - Commercial and Government Entity Code.

d. DMWR - Depot Maintenance Work Requirement.

e. DOD - Department of Defense.

f. DODISS - Department of Defense Index of Specifications and Standards.

g. FGC - Functional Group Code.

h. F/I - Figure and Item Number.

i. IPR - In-Process Review.

j. LSA - Logistic Support Analysis.

k. LSAR - Logistic Support Analysis Record.

l. MAC - Maintenance Allocation Chart.

m. NHA - Next Higher Assembly.

n. NIIN - National Item Identification Number.

o. NSN - National Stock Number.

p. P/N - Part Number.

q. RPSTL - Repair Parts and Special Tools List.

r. SMR - Source, Maintenance, Recoverability.

s. STMDE - Special Test, Measurement, and Diagnostic Equipment.

t. TM - Technical Manual.

u. TMDE - Test, Measurement, and Diagnostic Equipment.

v. UOC - Usable On Code.

w. USBL EFF - Usable Effective.

3.2 Assembled item. An item source coded AO, AF, AH, AL, or AD that is not stocked as an assembly, but is assembled from its constituent repair parts.

3.3 Assembly. Two or more parts or subassemblies joined together to perform a specific function and capable of disassembly (e.g., power shovel-front, fan assembly, audio frequency amplifier).

NOTE

The distinction between an assembly and subassembly is determined by the individual application. An assembly in one instance may be a subassembly in another where it forms a portion of an assembly.

3.4 Bulk material. Material issued in bulk for manufacture or fabrication of support items (e.g., sheet metal, pipe tubing, bar stock or gasket material); excludes expendable items. (See 3.11.)

3.5 Commercial and Government entity code (CAGEC). A five-position code assigned to manufacturers or nonmanufacturers organizational entities or contractors.

3.6 Complete part number. Consists of the CAGEC and part number (P/N); used for requisition processing. The CAGEC is entered on a requisition form first, followed by the P/N.

3.7 Complete repair. Maintenance capacity, capability, and authority to perform all the corrective maintenance tasks of the repair function in a use or user environment in order to restore serviceability to a failed item. Excludes the prescriptive maintenance functions, overhaul and rebuild.

3.8 Component. A constituent part not normally considered to be capable of independent operation; a piece part.

3.9 Contracting activity. The Department of Defense (DOD) component, activity, or organization of a using military service, or that organization delegated by a using service, that is responsible for the selection and determination of requirements for TMs.

3.10 "Current as of" date. Indicates the date that all data in the repair parts and special tools list (RPSTL) were verified as being current prior to forwarding for printing.

3.11 Expendable items. Items, other than repair parts, that are consumed in use (e.g., paint, lubricants, wiping rags, tape, cleaning compounds, sandpaper).

3.12 Functional group code (FGC). A basic (usually two-position) group code assigned to identify major components, assemblies, and subassemblies to a functional system. Subordinate subfunctional groups/subassemblies are coded to relate back to the basic (top position) FGC in a sequential, next

higher assembly (NHA) relationship (i.e., top-down breakdown structure).

3.13 Limited repair. Scope of corrective repair authorized to be performed by a level of maintenance lower than the level of authorized complete repair.

3.14 National stock number (NSN). A 13-digit number assigned to a repair part to be used for requisitioning purposes.

3.15 Part number (P/N). A primary number used to identify an item, used by the manufacturer (individual, company, firm, corporation or Government activity) that controls the design, characteristics, and production of the item by means of its engineering drawings, specifications, and inspection requirements.

3.16 Reference designator. Letters or numbers, or both, used to identify and locate discreet units, portions thereof, and basic parts of a specific set. (A reference designation is not a letter symbol, abbreviation, or functional designation of an item.)

3.17 Remove/install. To remove, then install the same item removed. (Compare with "3.19 Replace.") Such action is prescribed by the logistic support analysis (LSA)/maintenance allocation chart (MAC), but is not covered by source, maintenance, and recoverability (SMR) code authorization. (For example: the operator/crew is authorized to remove/install the cannon tube, but the SMR code for the cannon tube, is PAOOO, authorizing replacement at unit level.) Install may be the act of emplacing, seating, or fixing into position a spare, repair part, or module in a manner to allow the proper functioning of an equipment or system. Performed during service actions, disassembly/assembly procedures, or other maintenance activities.

3.18 Repair part. Any nonreparable component (Supply Class IX item) required for maintenance/repair of an end item/equipment (will be coded Z or B in fourth position of the source, maintenance, recoverability (SMR) code).

3.19 Replace. To remove an unserviceable spare or repair part and install a serviceable counterpart in its place. Replace is authorized by the LSA/MAC and the assigned maintenance level is shown as the third position code of the SMR code.

3.20 SMR code. The five-position code containing supply/requisitioning information, maintenance level authorization criteria, and disposition instruction. The first two positions of the SMR code determine how to get an item. The third position represents who can install, replace, or use the item. The fourth position dictates who can do complete repair on the item. The fifth position represents who determines disposition action on unserviceable items.

3.21 Spare part. Any reparable and recoverable component required for the maintenance or repair of an end item or equipment (will have a recoverability code other than "Z" and will be assigned an FGC or subfunctional group code in the MAC).

3.22 Special tools. Those support items that have single or peculiar application to a specific end item/system. Items include special tools, special test, measurement, and diagnostic equipment (STMDE), and special support equipment.

3.23 Technical manuals (TMs). Manuals that contain instructions for the installation, operation, maintenance, and support of weapon systems, weapon system components, and support equipment. TM information may be presented, according to prior agreement between the contractor and the Government, in any form or characteristic, including hard printed copy, audio and visual displays, electronic imbedded media, disks, other electronic devices, or other media. They normally include operational and maintenance instructions, parts lists, and related technical information or procedures exclusive of administrative procedures.

3.24 Top-down breakdown. The pyramidal breakdown of an end item, with the top item being the complete end item. The process of breakdown is established from the engineering drawing structure in an NHA progression until the lowest reparable in each family tree group is identified. All nonreparables (spare parts) can be identified in like manner to establish their NHA relationships.

3.25 Unit. An assembly or any combination of spare and repair parts mounted together, normally capable of independent operation in a variety of situations.

3.26 Usable on code (UOC). A three-position alphanumeric code representing the applicable configuration in which an item is used. When an item is used on all configurations or when only one configuration is covered by the RPSTL, UOCs shall not be shown.

3.27 Validation. The process by which the contractor tests a TM for accuracy, adequacy, and usability of the technical content, and by review, determines that the format and content meet the requirements of regulatory documents provided as part of the acquisition package.

3.28 Verification. The process by which the Government, under acquiring activity jurisdiction, determines a TM to be accurate and adequate for operation and maintenance of the equipment.

4. GENERAL REQUIREMENTS

This section is not applicable to this document.

5. DETAILED REQUIREMENTS

5.1 Conformance to standard. A RPSTL shall be prepared in accordance with the format and content requirements specified herein. The RPSTL shall cover maintenance level(s) as specified by the contracting activity in accordance with MIL-M-63008. When a RPSTL with combined levels of maintenance is required, the RPSTL shall contain maintenance data for all levels covered, even though lower level maintenance is covered in a separate RPSTL. For example, if a unit RPSTL is published, a general support RPSTL shall include unit and direct support data. RPSTLs shall consist of illustrated parts and a listing of these parts.

5.2 Technical content preparation. The following baseline requirements shall be used as specified by the contracting activity:

a. Logistic support analysis record (LSAR). The technical data and instructions developed by the requirements of MIL-STD-1388-2, DOD Requirements for a Logistic Support Analysis Record (LSAR), shall be used as the baseline to prepare TMs.

b. Maintenance allocation chart (MAC). The MAC shall be used as the baseline to prepare TMs. The MAC shall be prepared from the equipment top-down breakdown to consolidate and identify those groups on the list which involve identified maintenance functions. LSA Output Report 04, Maintenance Allocation Summary will be used when available as source data for the final approved MAC.

When specified by the contracting activity and if a waiver of standard requirements is granted, TB 750-93-1 may be used as the baseline for preparing TMs.

5.3 Format. The general style and format for RPSTL shall be as prescribed in MIL-STD-361-1. The applicability of RPSTL shall be as specified per MIL-M-63008, as one of the following:

a. Separate RPSTL TM.

b. Appendix to combined (narrative) TM.

c. Appendix to depot maintenance work requirement (DMWR).

5.3.1 Depot repair parts. If a figure(s) contains repair parts for both depot level maintenance and a maintenance level(s) below depot, the depot coded repair parts shall be presented in either a DMWR appendix RPSTL or in a RPSTL TM prepared for the next maintenance level below depot level, as specified by the contracting activity. If a RPSTL TM includes depot repair parts, the statement "(Including Depot Maintenance Repair Parts)" shall be added to the title of the RPSTL TM.

5.3.2 DMWR RPSTL. If an item of equipment is programmed for depot overhaul and no repair parts (including modules, printed circuits, and components) are authorized for replacement at a level below depot maintenance, authorized repair parts shall appear in the applicable DMWR.

5.4 Content. RPSTL shall consist of:

a. Front matter.

b. Introduction.

c. Illustrations of repair and spare parts, STMDE, special tools, and other special support equipment required to operate and maintain an item of equipment or system.

d. Tabular lists of illustrated items listed in c. above.

e. Cross-reference indexes.

5.4.1 RPSTL TM.

5.4.1.1 Front matter. Front matter for RPSTL TMs shall consist of a cover, title block page and a table of contents.

a. Cover. The cover shall be prepared in accordance with MIL-STD-361-1.

b. Title block page. The title block page shall be a right-hand page and shall consist of data shown on the example, figure 1. Applicable T1M designation, maintenance level, name of equipment, and the "current as of" date shall be inserted. When depot level repair parts are included in a lower level RPSTL, the following statement shall be added to the RPSTL title: "(Including Depot Maintenance Repair Parts)." Address of the proponent shall be inserted in the Reporting Errors and Recommending Improvements block. Export warnings, distribution statements, and destruction notices shall be included in accordance with MIL-STD-361-1 as provided by the contracting activity.

c. Table of contents. The table of contents shall reflect the content of the applicable RPSTL and comply with following requirements:

(1) Section numbers with titles and FGCs with titles shall be listed by the same nomenclature and in the same sequence in which they appear in the tabular listings. (See figure 1.)

(2) The parts list titles shall appear below their section titles and shall be listed in the order in which they appear in the RPSTL. Each title listed shall reference the number of the first page on which the illustration or figure parts list appears.

The title and the number of the first page of each of the cross-reference indexes shall be listed.

(3) Only the figures (which shall be titled the same as the functional group titles) applicable to the maintenance level(s) for which the RPSTL is prepared shall be listed. They shall be listed in the order in which they appear in the RPSTL.

(4) In a multivolume RPSTL, each volume in the series shall have its own table of contents and shall reference the companion volumes.

5.4.1.2 Section I - introduction. Section I shall contain all the paragraphs listed on the applicable introduction content list (See paragraph 5.4.1.2.2, Table I.) as specified by the contracting activity. Applicable contents shall be formatted as follows:

"UNIT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST

SECTION I. INTRODUCTION

1 SCOPE.

This RPSTL 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 unit maintenance (or other applicable maintenance levels) of the (enter item name). 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.

In addition to Section I, Introduction, 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. This list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending alphanumeric sequence, with the parts in each group listed in ascending figure and item number sequence. Sending units, brackets, filters, and bolts shall be listed with the component they mount on. Bulk materials are listed by item name in FIG. BULK at the end of the section. Repair parts kits are listed separately in their own functional group within Section II. Repair parts for reparable special tools are also listed in Section II. Items listed are shown on the associated illustration.

b. Section III - Special Tools List. A list of special tools, special TMDE, and special support equipment authorized by

this RPSTL (as indicated by Basis of Issue (BOI) information in the DESCRIPTION AND USABLE ON CODE (UOC) column). Tools that are components of common tool sets and/or Class VII shall not be listed.

c. **Section IV - Cross-Reference Indexes**. There are two cross-reference indexes in this RPSTL: the National Stock Number Index and the Part Number Index. The National Stock Number Index refers you to the figure and item number. The Part Number Index refers you to the figure and item number.

3 EXPLANATION OF COLUMNS (SECTIONS 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 containing supply/requisitioning information, maintenance level authorization criteria, and disposition instruction, as shown in the following breakout:

Source Code	Maintenance Code		Recoverability Code
XX	XX		X
1st two positions How to get an item	3rd position Who can install, replace, or use the item	4th position Who can do complete repair* on the item	5th position Who determines disposition action on unserviceable items

*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 you get an item needed for maintenance, repair, or overhaul of an end item/equipment. Explanations of source codes follow:

Source Code	Application/explanation
PA PB PC PD PE PF PG	Stock items; use the applicable NSN to requisition/request items with these source codes. They are authorized to the level indicated by the code entered in the 3rd 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 level indicated in the 3rd position of the SMR code. The complete kit must be requisitioned and applied.
MO-Made at unit/ AVUM level MF-Made at DS/ AVIM level MH-Made at GS level ML-Made at SRA MD-Made at depot	Items with these codes are not to be requisitioned/requested 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 of the RPSTL. If the item is authorized to you by the 3rd position code of the SMR code, but the source code indicates it is made at higher level, order the item from the higher level of maintenance.
AO-Assembled by unit/AVUM level AF-Assembled by DS/AVIM level AH-Assembled by GS level 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 level of maintenance indicated by the source code. If the 3rd position of the SMR code authorizes you to replace the item, but the source code indicates the item is assembled at a higher level, order the item from the higher level of maintenance.

XA - Do not requisition an "XA" coded item. Order the next higher assembly. (Refer to NOTE below.)

XB - If an item is not available from salvage, order it using the CAGEC and part number.

XC - Installation drawing, diagrams, instruction sheet, field service drawing; identified by manufacturer's part number.

XD - Item is not stocked. Order an XD-coded item through normal supply channels using the CAGEC and part number given, if no NSN is 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 level(s) of maintenance authorized to use and repair support

items. The maintenance codes are entered in the third position of the SMR code as follows:

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

Maintenance Code	Application/Explanation
C	Crew or operator maintenance done within unit/AVUM maintenance.
O	Unit level/AVUM maintenance can remove, replace, and use the item.
F	Direct support/AVIM maintenance can remove, replace, and use the item.
H	General support maintenance can remove, replace, and use the item.
L	Specialized repair activity can remove, replace, and use the item.
D	Depot can remove, replace, and use the item.

(b) The maintenance code entered in the fourth position tells you whether or not the item is to be repaired and identifies the lowest maintenance level with the capability to do complete repair (perform all authorized repair functions).

NOTE

Some limited repair may be done on the item at a lower level of maintenance, if authorized by the MAC and SMR codes.

Maintenance Code	Application/Explanation
O	Unit/AVUM is the lowest level that can do complete repair of the item.
F	Direct support/AVIM is the lowest level that can do complete repair of the item.
H	General support is the lowest level that can do complete repair of the item.
L	Specialized repair activity (designate the specialized repair activity) is the lowest level that can do complete repair of the item.

D - Depot is the lowest level that can do complete repair of the item.

Z - Nonreparable. No repair is authorized.

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

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

Recoverability Code	Application/Explanation
Z	Nonreparable item. When unserviceable, condemn and dispose of the item at the level of maintenance shown in the 3rd position of the SMR code.
O	Reparable item. When uneconomically reparable, condemn and dispose of the item at the unit level.
F	Reparable item. When uneconomically reparable, condemn and dispose of the item at the direct support level.
H	Reparable item. When uneconomically reparable, condemn and dispose of the item at the general support level.
D	Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal of item are not authorized below depot level.
L	Reparable item. Condemnation and disposal not authorized below specialized repair activity (SRA).
A	Item requires special handling or condemnation procedures because of specific reasons (such as precious metal content, high dollar value, critical material, or hazardous material). Refer to appropriate manuals/directives for specific instructions.

c. NSN (Column (3)). The National stock number for the item is listed in this column.

d. CAGEC (COLUMN (4)). The commercial and Government entity code (CAGEC) is a 5-digit code which is used to identify the manufacturer, distributor, or Government agency/activity that supplies the item.

e. PART NUMBER (Column (5)). 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 number listed.

f. DESCRIPTION AND USABLE ON CODE (UOC) (Column (6)). This column includes the following information:

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

(2) Part numbers of bulk materials are referenced in this column in the line entry to be manufactured/fabricated.

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

g. QTY (Column (7)). The QTY (quantity per figure) column 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 instead of a quantity indicates that the quantity is variable and the quantity may vary from application to application.

4 EXPLANATION OF INDEX FORMAT AND COLUMNS (SECTION IV).

a. National Stock Number (NSN) Index.

(1) STOCK NUMBER Column. This column lists the NSN in national item identification number (NIIN) sequence. The NIIN consists of the last nine digits of the NSN.

NSN (e.g., 5385-01-574-1476) NIIN	When using this column to locate an item, ignore the first four digits of the NSN. However, the complete NSN should be used when ordering items by stock number.

(2) FIG. Column. This column lists the number of the figure where the item is identified/located. The figures are in numerical order in Section II and Section 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 in ascending alphanumeric sequence (vertical arrangement of letter and number combinations which places the first letter or digit of each group in order A through Z, followed by the numbers 0 through 9 and each following letter or digit in like order).

(1) **PART NUMBER Column**. Indicates the part number assigned to the item.

(2) **FIG. Column**. This column lists the number of the figure where the item is identified/located in Sections II and III.

(3) **ITEM Column**. The item number is the number assigned to the item as it appears in the figure referenced in the adjacent figure number column.

c. **REFERENCE DESIGNATOR INDEX**. (Include as applicable.) Reference designators in this index are listed in ascending alphanumeric sequence (vertical arrangement of letter and number combination which places the first letter or digit of each group in order A through Z, followed by the numbers 0 through 9 and each following letter or digit in like order).

(1) **REFERENCE DESIGNATOR Column**. Indicates the reference designator assigned to the item.

(2) **FIG. Column**. This column lists the number of the figure where the item is identified/located in Section II or III.

(3) **ITEM Column**. The item number is the number assigned to the item as it appears in the figure referenced in the adjacent figure number column.

5 SPECIAL INFORMATION.

(Use the following subparagraphs as applicable.)

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 under the applicable item/nomenclature. Uncoded items are applicable to all models. Identification of the usable on codes used in the RPSTL are:

Code	Used On
PAA	Model M114
PAB	Model M114A
PAC	Model M114B

NOTE

(The above codes and model numbers are examples only.)

b. **Fabrication Instructions**. Bulk materials required to manufacture items are listed in the bulk material functional group of this RPSTL. Part numbers for bulk material are also referenced in the Description Column of the line item entry for the item to be manufactured/fabricated. Detailed fabrication instructions for items source coded to be manufactured or fabricated are found in (enter applicable TM number).

c. **Index Numbers**. Items which have the word BULK in the figure column will have an index number shown in the item number column. This index number is a cross-reference between the national stock number/part number index and the bulk material list in Section II.

d. **Associated Publications**. (This paragraph shall not be included in a combined narrative-RPSTL manual.) The publication(s) listed below pertains to the (enter item name):

Publication	Short Title

e. **Illustrations Listing**. (This paragraph shall appear only in the unit maintenance RPSTL special instructions.) The illustrations in this RPSTL are identical to those published in (enter the higher level maintenance manual TM number, e.g., direct support, general support, etc.). Only those parts coded "O" in the third position of the SMR code are listed in the tabular listing in Section II; therefore, there may be a break in the item number sequence. Only illustrations containing unit authorized items appear in this RPSTL.

6 HOW TO LOCATE REPAIR PARTS.

a. When National Stock Numbers or Part Numbers Are Not Known.

(1) **First**. Using the table of contents, determine the assembly 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 functional group or the subfunctional group to which the item belongs.

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

(4) **Fourth**. Look in the repair parts list for the figure and item numbers. The NSNs and part numbers are on the same line as the associated item numbers.

b. When National Stock Number or Part Number Is Known.

(1) **First**. If you have the National stock number, look in the STOCK NUMBER column of the National Stock Number Index. The NSN is arranged in National item identification number (NIIN) sequence. (See paragraph 4a.) Note the figure and item number next to the NSN.

(2) **Second**. Turn to the figure and locate the item number. Verify that the item is the one you are looking for.

NOTE

If you have the part number, look in the PART NUMBER column of the part number index. Identify the figure and item number, look up the item on the figure in Section II.

c. **When Reference Designator Is Known**.

(1) **First**. If you know the reference designator, look in the REFERENCE DESIGNATOR column of the reference designator index. Note the figure and item number.

(2) **Second**. Turn to the figure and locate the item number. Verify that the item is the one you are looking for.

7 **ABBREVIATIONS**.

(Abbreviations must be applicable to specific RPSTL and not listed in MIL-STD-12.)

Abbreviation Explanation"

5.4.1.2.1 Nonapplicable data. When paragraphs listed in the applicable introduction content list do not apply, the paragraph headings shall be listed and followed with the phrase, "Not applicable."

5.4.1.2.2 Special information. Applicable special information (listed in Table I and as outlined in boilerplate information in 5.4.1.2) shall be adapted and included. In addition to information contained in Table I, all information pertaining to peculiarities of the RPSTL such as options selected, nonconsecutive listing of figures or item numbers, special handling and disposition of precious or hazardous materials, explanation of UOCs, equipment combinations, fabrication instructions, associated publications, unassigned NSNs that are PA coded, or any other pertinent data shall be included in this paragraph.

TABLE I. Applicable introduction content list.[1]

Section Paragraph [2]	Heading/title
	RPSTL TITLE [3]
I.	INTRODUCTION
1.	Scope
2.	General
2a.	Section II - Repair Parts List
2b.	Section III - Special Tools List
2c.	Section IV - Cross-Reference Indexes
3.	Explanation of Columns (Sections II and III)
3a.	Column (1) ITEM NUMBER
3b.	Column (2) SMR CODE [4]
3c.	Column (3) NATIONAL STOCK NUMBER
3d.	Column (4) CAGEC
3e.	Column (5) PART NUMBER
3f.	Column (6) DESCRIPTION AND USABLE ON CODE (UOC) [5]
3g.	Column (7) QTY
4.	Explanation of Index Format and Columns (Section IV)
4a.	NATIONAL STOCK NUMBER (NSN) INDEX
4b.	PART NUMBER INDEX
4c.	REFERENCE DESIGNATOR INDEX
5.	Special Information [6]
6.	How to Locate Repair Parts
7.	Abbreviations

[1]All introduction content listed applies to all RPSTLs and covers all maintenance levels unless it is not applicable. When entries are not applicable, only the paragraph number, title, and the phrase, "Not applicable," shall be entered after the title. (See 5.4.1.2.1.)

[2]Paragraph numbers in the list refer to paragraph numbering in the boilerplate information presented in 5.4.1.2.

[3]Adapt by using only applicable portions pertaining to level(s) of maintenance covered by the RPSTL.

[4]All codes shall be entered and explained. (Reference boilerplate information presented in 5.4.1.2, paragraph 3b.) Source code "XC" shall be used only when installation drawing/diagram/instruction sheet/field service drawing is available for use at the maintenance level(s) for which the RPSTL is prepared.

[5]Inclusion of federal item name is mandatory. Remaining explanations shall be included only if applicable to the RPSTL.

[6]Paragraphs in special information example shall be included only if applicable to RPSTL. Appropriate insertions shall be made where indicated.

5.4.1.2.3 Abbreviations. Abbreviations shall be in accordance with MIL-STD-12. Abbreviations not listed in MIL-STD-12 shall be listed alphabetically and explained as shown in the boilerplate information presented in 5.4.1.2, paragraph 7.

5.4.1.3 Section II - repair parts list. This section shall consist of illustrations and their associated repair parts lists. They shall be listed in alphanumeric sequence by functional group codes (the same codes used in the MAC). See figures 2 and 3. Repair parts for special tools listed in Section III shall be illustrated and listed in this section under a functional group titled "Special Tools (Repair Parts)".

5.4.1.3.1 Figure titles and numbering. Figure titles shall be consistent with the titles presented in the MAC. Figures shall be numbered in ascending alphanumeric sequence. Unless requirement is specifically excluded by the contracting activity, the assembly part number and the SMR code shall be added to the figure title.

5.4.1.3.2 Item number column. Items shall be listed on the repair parts list (in the ITEM NO. column) by the same callout number shown on the associated figure. The items shall be listed in ascending alphanumeric sequence.

5.4.1.3.3 Nonconsecutive item numbers. When illustrations contain item callouts that are for a maintenance level higher than the level of the RPSTL, the items not authorized for maintenance at the RPSTL level shall not be listed in the repair parts list; therefore, items may not be listed consecutively. They shall be listed in ascending numeric sequence.

5.4.1.3.4 SMR code column. The SMR code column shall include SMR codes assigned to the applicable items.

5.4.1.3.5 NSN column. The NSN column shall include the NSN assigned to the applicable item.

5.4.1.3.6 CAGEC and part number columns. The applicable five-digit commercial and Government entity code (CAGEC) number, as listed in Catalog Handbook H4/H8, shall appear in the CAGEC column preceding the part number listed in the PART NUMBER column.

5.4.1.3.7 Description and usable on code (UOC) columns. The DESCRIPTION AND USABLE ON CODE column shall include the following information:

a. Header. The header shall consist of the functional group number and title appearing on the top line(s). The next line(s) below shall include the figure number and the

figure title (may be the same as the functional group title).

b. Item name. The item name shall consist of the federal item name (taken from Federal Supply Cataloging Handbook H6) and, if necessary, a minimum description to further identify the item. The last line of the description shall be completed with trailing dots, except for the UOC line.

c. Indentions. Unless requirement is specifically excluded by the contracting activity, the item name listed in the DESCRIPTION AND USABLE ON CODE (UOC) column shall be indented to show the next higher assembly. (See figure 4.) Indentions shall not exceed five positions.

d. Usable on code (UOC). When an item has multiconfiguration or multimodel use, the three-position alphanumeric UOC representing the applicable configuration in which the item is used shall be placed on the last line under the item description. The letters "UOC:" shall be left justified and followed by the applicable UOC. When an item is used on all configurations or when only one configuration is covered by the RPSTL, usable on codes shall not be shown.

e. Serial number application. When part numbers of spare/repair items are not the same for all serial numbered equipment of the same model, a statement identifying the usable effective (USBL EFF) serial numbers shall be made in the DESCRIPTION AND USABLE ON CODE (UOC) column. Example: "USBL EFF SER NOS 1719-1941." (See figure 3.)

f. Assembled items. Spare and repair parts that are part of a nonstocked assembled item (source coded AO, AF, AH, or AD) shall be assigned item numbers on illustrations and shall be listed in item number sequence on the repair parts list. These items/parts shall be listed and indented immediately below the item to be assembled on the repair parts list. When a particular illustration does not show the parts breakdown of the nonstocked assembly, reference shall be made to the breakdown illustration in the RPSTL. (See figure 3.) Instructions, drawings, charts, and tables showing how to assemble assemblies source coded "A()" shall not appear in the RPSTL, but shall appear in the narrative maintenance TM.

g. Manufactured items. All items source coded MO, MF, MH, or MD shall have the statement in the DESCRIPTION AND USABLE ON CODE (UOC) column as follows: MAKE FROM (enter applicable bulk material or other replaceable item name, CAGEC, and part number). Material that is used to make items shall also be shown in a separate functional group called BULK MATERIAL and figure to be titled FIG. BULK. Items in the bulk figure shall be listed alphabetically by item name in the DESCRIPTION AND USABLE ON CODE (UOC)

column. (See figure 5.) Numbers in the ITEM column of bulk material list apply to the FIG. BULK only and shall not be associated with item numbers (callouts appearing on the illustrations/figures). Instructions, drawings, charts, and tables required to show how items are made shall not be contained in the RPSTL but shall appear in the narrative maintenance TM.

h. Kits and kit repair parts. Kits and repair parts (source coded KD, KF, or KB) shall conform to the format of either option 1 (figure 6) or option 2 (figure 7), as specified by the contracting activity.

(1) Option 1 (kits). Option 1 kits shall appear at the end of the associated parts list. As specified by the contracting activity, the ITEM NO. column for kits shall be either left blank or list an alphabetical character(s). The QTY column for kits shall be a V (variable) when the exact quantity may vary. (See figure 6.)

(2) Option 1 (parts). Option 1 kit repair parts shall be listed with their applicable figure and appear in item number sequence. The statement "part of Kit P/N (enter kit P/N)" shall follow item name. Kit repair parts shall also be listed under the kit listing at the end of the parts list (figure 6). Parts of the kit listing shall be indented and listed alphabetically by basic item name or in item number sequence immediately below the kit item name. The quantity (in parentheses), figure, and item number shall follow the repair part item name.

(3) Option 2 (kits). Option 2 kits shall be listed in a separate functional group titled Repair Kits. This functional group shall be located in the repair parts list section in consecutive sequential alphanumeric order. This kit group shall be located before the bulk material functional group. The kits in this group shall be listed alphabetically in part number sequence. Parts in the kit group shall not be assigned item numbers. They shall be indented two positions and listed alphabetically under their kit name. See Figure 7. Item names of the parts shall be followed by the quantity (in parentheses) and the figure and item numbers that appear in the basic parts list. The QTY column for kits shall contain a V (variable) when the exact quantity may vary.

(4) Option 2 (parts). Option 2 kit repair parts shall appear in the parts list by item number as shown on the associated figure. They shall be listed in item number sequence. The statement "PART OF KIT P/N (enter kit part number)" shall follow the item name.

i. End of figure statement. The statement "END OF FIGURE" shall appear below the last item described in column 6 for each figure of the tabular lists in Sections II and III.

5.4.1.3.8 Quantity. The figure in the QTY column shall represent the number of times the item appears in the illustration/figure with the associated item number. When a definite quantity cannot be determined because the number of uses per equipment or the size/length of an item may vary with each equipment, the letter V shall be placed in left position of the QTY column.

5.4.1.3.9 Basic issue items (BII) (repair parts)/special tools (repair parts). Repair parts for reparable BII or special tools that do not have separate TMs, but are authorized for the RPSTL, shall be listed in a functional group titled BASIC ISSUE ITEMS (REPAIR PARTS) or SPECIAL TOOLS (REPAIR PARTS), as applicable. Subfunctional groups shall be assigned, as applicable. Items listed in functional and subfunctional groups shall be listed and identified with the same basic columnar data required for the end item repair parts. BII and special tools reparable parts shall be supported by illustrations that meet the requirements of paragraph 5.4.1.6.

5.4.1.3.10 Expendable and durable items. Expendable and durable items shall not be listed in the RPSTL. (These items shall appear in the applicable narrative TM.)

5.4.1.4 Section III - special tools list. The title for Section III of the RPSTL shall be Special Tools List. This section shall list special tools; STMDE, and other special support equipment authorized for use and maintenance of the end item/assembly covered by the RPSTL. These tools shall be illustrated and listed in the format shown in figure 8.

5.4.1.4.1 Functional grouping. Items shall be listed under a functional group(s) titled SPECIAL TOOLS. Items within the group shall be listed in ascending figure and item number sequence.

5.4.1.4.2 Basis of issue (BOI). The last line entry(s) in the DESCRIPTION AND USABLE ON CODE (UOC) column for individual items, sets, or kits shall be the BOI. The BOI shall indicate the quantity of the items, sets, or kits authorized to support a quantity of end items/assembly(s) or a specific military unit. For example:

BOI: 1 auth for 1-12 equip
or
BOI: 1 per BN HQ when BN has SVC CO

For an example of BOI, see figure 8.

5.4.1.4.3 Special tool set/kit line entry(s). These line entries shall contain complete information in all columns except ITEM NO. and QTY columns. ITEM NO. and QTY columns shall be left blank.

5.4.1.4.4 Components listing. Components of special tool sets and kits shall be listed in figure and item number sequence immediately following the set or kit entry. The line entry for the components shall be indented under the set or kit entry and contain complete information in all columns except the QTY column, which shall be left blank. Quantities of components shall be included in a statement in the DESCRIPTION AND USABLE ON CODE (UOC) column (e.g., qty 1 per set/kit).

5.4.1.4.5 D coded items. When a depot level RPSTL does not exist and items are maintained at depot level, they shall be identified with a "D" in the third position of the SMR code in the highest level RPSTL prepared.

5.4.1.5 Section IV - cross-reference indexes. This section shall consist of two cross-reference indexes: the NSN index (NSN to figure and item no.) and the part number (P/N) index (P/N to figure and item no.). The NSN and P/N indexes shall be double column indexes. The title of each index shall be centered above the index, and the column headings and format shall be as shown on figures 9 and 10. The NSN index shall appear first. Each index shall begin on a new page unless both indexes require less than one full page.

5.4.1.5.1 National stock number (NSN) index. This index shall list the complete NSN for all NSNs assigned to applicable items. However, the line entries shall be arranged in ascending numeric sequence by national item identification number (NIIN) (the last nine digits of the NSN). The NSN line entry shall identify the first figure/item number for which the stock number is applicable. (See figure 9.) The NSN shall not be repeated on the same page of the index for each additional figure/item number identified by that NSN. When NSN references carry over to another page, the carried over NSN entry shall appear at the top of the list.

5.4.1.5.2 Part number (P/N) index. This index shall be a two-column index and shall be arranged in ascending alphanumeric sequence by part number. The line entry for each part number listed shall identify the applicable figure and item number. See figure 10 for an example. When the part number appears on more than one figure, the part number shall not be repeated unless it continues on the next page. If the part number continues to the next page, it shall be repeated at the top of the page.

5.4.1.5.3 Reference designator index. When applicable and as specified by the contracting activity, a reference designator index shall be included in Section IV. The reference designators shall be listed in alphanumeric sequence and shall reference the applicable figure and item number. For example, see figure 11.

5.4.1.5.4 Bulk figure. When entries in either the NSN or P/N index reference bulk material, the word BULK shall appear in the FIG. column. The numbers in the ITEM number column shall refer to the item number listing in the bulk figure located in the bulk

functional group listing and shall not refer to item numbers on an illustration.

5.4.1.5.5 Sets and kits. Part numbers for sets/kits shall be cross-referenced to NSN and F/I number for the set/kit. When Option 1 is selected, the ITEM column shall either be left blank or list an alphabetical character (e.g., K for KIT, S for SET, etc.). (See 5.4.1.3.7h.) When Option 2 is selected, the FIG. column shall list the word KITS or SETS, as applicable. (See 5.4.1.3.7h.)

5.4.1.6 Illustrations. Only line drawing illustrations shall be used. They shall be arranged to make effective use of page space.

5.4.1.6.1 Illustration identification numbers. Illustration identification numbers when provided by the contracting activity shall be placed in the lower right-hand corner of all illustrations. (See figure 2.)

5.4.1.6.2 Halftones. Halftones shall not be used in new RPSTLs. Halftones shall not be used in revisions. However, existing artwork shall not be reworked to convert halftones to line drawings.

5.4.1.6.3 Exploded views. Exploded views shall be used to show the location of each applicable spare/repair part. Unless requirement is specifically excluded by the contracting activity, the items shall be numbered in clockwise sequence with the lowest nonrepeated number in approximately the 11 o'clock position.

5.4.1.6.4 Electronic items. Unless requirement is specifically excluded by the contracting activity, exploded views shall not be used to identify electronic items such as components on circuit cards that are not disassembled for repair. Items shall be numbered in clockwise sequence. (See figure 12.) Item numbers shall not be stacked (i.e., showing the item numbers next to a bar at the end of a leader line) unless each item and the item number are shown in a detailed view elsewhere on the illustrations. All reparable electronic items shall be identified with a reference designator and an item number.

a. Legends. Unless requirement is specifically excluded by the contracting activity, legends shall be used rather than item leader lines to provide clarity. The reference designators for electronic items shall cross-reference the item numbers used in the associated parts list. (See figure 13.)

b. Nonelectronic items. Nonelectronic spare/repair items displayed with the above items that are not assigned reference designators shall be assigned an item number for use in the associated parts list.

5.4.1.6.5 Figure numbering. Figures shall be numbered in accordance with the method (i.e., numeric or alphanumeric)

specified by the contracting activity. Unless requirement is specifically excluded by the contracting activity, only one figure number shall be assigned to a functional or a subfunctional group code.

5.4.1.6.6 FGC nomenclature. Unless requirement is specifically excluded by the contracting activity, a figure title shall include all the FGC nomenclatures illustrated beginning with the highest FGC illustrated.

5.4.1.6.7 Identical parts/item numbers. Identical parts appearing in a figure (illustration) having only one FGC shall have the same item number. If a figure has two or more FGCs/assemblies, only the identical parts with identical SMR codes within each FGC/assembly shall have the same item number.

5.4.1.6.8 Identical assemblies. When two or more identical assemblies (same part number) exist in different places in the equipment, a breakdown of the parts shall be illustrated only once; the first time the assembly appears in the RPSTL. For subsequent times that the identical assembly appears, the assembly item name shall appear in the description and usable on code column and be followed by the statement "SEE FIG...FOR BREAKDOWN". See figure 3.

5.4.1.6.9 Arrangement of figures. All illustrations prepared for spares, repair parts, special tools, STMDE, and other special support equipment shall be arranged in figure number sequence. They shall precede their companion parts list (on the left-hand page preceding the parts list or at the top of the same page of the parts list).

5.4.1.6.10 Blank pages. Blank pages shall be avoided, where possible. A companion illustration and parts list shall not be placed back-to-back on the same paper to avoid blank pages.

5.4.1.6.11 No duplicate illustrations. Illustrations shall not be duplicated to provide facing page illustrations for the second and subsequent pages of the RPSTL. Illustrations shall not be duplicated to show different models or configurations of an assembly when UOCs can be assigned to indicate differences in configurations.

5.4.1.6.12 Multisheet illustrations. Unless requirement is specifically excluded by the contracting activity, multisheet illustrations for a single figure number shall not be used. When used, the last sheet of the multisheet illustration shall be placed on the left-hand page preceding the applicable repair parts list. Unless requirement is specifically excluded by the contracting activity, multisheet illustrations shall be limited to three sheets.

5.4.1.6.13 Separate or combined maintenance level RPSTLs. When RPSTLs, either separate or combined, are published for more than one maintenance level, the illustrations applicable to the highest maintenance level RPSTL shall be used.

5.4.1.6.14 Figure (illustration) and item numbers. Unless requirement is specifically excluded by the contracting activity, all figure numbers of illustrations shall be in consecutive ascending numerical sequence. Item numbers on illustrations shall be Arabic numerals.

5.4.1.6.15 Foldout or foldout-foldup illustrations. Foldout or foldout-foldup illustrations shall not be used in RPSTLs.

5.4.1.6.16 Reference to illustrations. Reference to illustrations in other TMs or in the narrative portion of a combined narrative and RPSTL shall not be made in the RPSTL even though the same illustrations may support both narrative instructions and the RPSTL.

5.4.1.6.16.1 Reference designator. Unless requirement is specifically excluded by the contracting activity, the applicable reference designator shall be placed above the item number. Refer to figure 12.

5.4.1.7 Horizontal-vertical format. Unless requirement is specifically excluded by the contracting activity, illustrations shall be prepared in vertical format. RPSTL text shall not be prepared in horizontal format except for RPSTLs supporting nuclear weapons (regulated by Department of Energy/Defense Nuclear Agency).

5.4.1.8 Figure titles and list headers. The headers for lists shall contain the same basic wording and information as the associated figures, which shall be the same as the titles used in the LSA/MAC. Figure titles for illustrations shall be initial cap (i.e., uppercase for the first letter of each principal word).

5.4.1.9 Page numbering.

5.4.1.9.1 TM RPSTL. Pages shall be numbered as follows:

a. Front matter. Pages shall be numbered consecutively in lowercase Roman numerals beginning with "i" on the title block page. (See figure 1.)

b. Section I, introduction. Pages shall be numbered consecutively with Arabic numerals beginning with "1" on the first page of the introduction.

c. Section II, parts list.

(1) Illustration pages shall not be numbered. The figure number and the figure title shall be placed below the illustration. (See figure 2.)

(2) Parts listing pages shall be identified with the same number as the associated figure. The page number shall be the figure number plus a "dash" number. Example: page number 3-1 is the first page

of the parts listing for figure 3, page 3-3 is the third page of the parts listing for figure 3. (See figures 3 through 7.)

d. Section III, special tools list. Pages shall be numbered the same as Section II and shall be a continuation of page numbers in Section II.

e. Section IV, cross-reference indexes. Pages shall be numbered consecutively within the section. The page number shall be preceded by "I" for Index (e.g., I-1, I-2, etc.). (See figures 9 through 10.)

5.4.1.9.2 Appendix RPSTL. Pages shall be numbered the same as TM RPSTLs except the numbers shall be preceded by the appropriate appendix letter (e.g., C-2, C-53-1, B-1, B-15-3, etc.).

5.4.1.10 Changes.

5.4.1.10.1 Change sheet(s). Page changes shall have a change sheet(s). The change sheet shall be prepared in accordance with MIL-STD-361-1. When applicable, the following statement shall be added: "An asterisk in the left-hand margin of the tabular page indicates a change in the line item that has affected either the tabular page or the indexes." A statement shall be added to explain the reason for the change, the meaning of change symbols on illustrations (if used), and how to use the supplemental cross-reference indexes. See figure 14.

5.4.1.10.2 Change numbers. Changes to RPSTL pages shall be identified by a change number placed to the right of the TM designation at the top of the affected page. Change numbers shall be Arabic and shall be preceded by the letter C (e.g., C01, C02,...C10, C11, C12).

5.4.1.10.3 Asterisks. Unless requirement is specifically excluded by the contracting activity, an asterisk shall be placed to the left of the ITEM No. column adjacent to the line item indicating that a change has been made to the item and may be reflected in the associated text, illustration, the NSN index, or the part number index. See figure 14.

5.4.1.10.4 Change symbols. Unless requirement is specifically excluded by the contracting activity, change symbols shall be used to identify areas and items changed on illustrations. See figure 15 and MIL-STD-361-3. Change symbols from previous changes shall be deleted.

5.4.1.10.5 Numbering added figures. When a figure is added and it is necessary to insert it between two existing figures, the added figure shall be assigned the number of the figure appearing first in the RPSTL followed by an alpha character (in alphabetical sequence). For example, the figures inserted between figures 25 and 26 would be renumbered figures 25A, 25B, 25C respectively. If an added figure falls after the last figure, it shall be assigned the next consecutive ascending

Arabic numeral. The above numbering system shall apply to new RPSTLs, changes, and revisions only when scheduling is such that it would not be practical to renumber all figures. When the RPSTL is revised, the inserted figures shall be renumbered in the proper sequence.

5.4.1.10.6 Numbering added items. When an item is added and it is necessary to insert it between two existing items, the added item shall be assigned the number of the item preceding it in the list followed by an alpha character (in alphabetical sequence). For example, items inserted between items 3 and 4 would be items 3A, 3B, 3C respectively. If an added item falls after the last item, it shall be assigned the next consecutive ascending Arabic numeral. The above numbering system shall apply to new, revised, or changed RPSTLs when it would not be practical to renumber all items in the RPSTL or items on applicable figures. When the RPSTL is completely revised, the inserted items shall be renumbered in the proper sequence.

5.4.1.10.7 Deleted figures and items. Where a change deletes a figure or item without substituting another, the space formerly occupied by the figure or item may be used for other instructions, except for sufficient space to provide 1/4 inch above and below a sentence such as "Figure 25 deleted." The table of contents and cross-reference indexes shall be changed as necessary. When page number continuity is broken by deletion of a page and a blank page results, a statement indicating the deletion shall be placed in the bottom margin (right or left corner, or centered, as space permits) of the preceding page or top margin (right or left corner, or centered, as space permits) of the succeeding page. For example: "All data on page ..., including figure ..., deleted." This shall also apply when two back-to-back pages are deleted and the same manual change affects a preceding or succeeding page, but a preceding or following page shall not be changed merely to add this statement. In such instances, the change sheet listings shall be adequate.

5.5 Appendix RPSTL. The first page of an appendix RPSTL shall be a right-hand page and shall be the first page of Section I, Introduction. The word **APPENDIX** shall be centered at the top of the page above the appropriate appendix title. When depot-level repair parts are included in a RPSTL covering repair parts for a maintenance level below depot level, the following statement shall be added to the RPSTL title: "(Including Depot Maintenance Repair Parts and Special Tools)." The publication number (TM designator) shall be at the top center of the page. The Reporting of Errors and Recommending Improvements block and the table of contents shall not be located on this page; they shall be on the title page of the combined narrative portion of the TM. Appendix page numbers shall be Arabic numerals preceded by the uppercase letter of the appendix (e.g., B-1, B-2, B-3, C-1). See also 5.4.1.9.

5.6 Special requirements.

5.6.1 Security classification markings. All classified TMs and material shall be safeguarded and identified in accordance with MIL-STD-361-1.

5.6.2 Government-furnished data. As specified by the contracting activity, the contractor shall incorporate into the RPSTL applicable Government-furnished data required by MIL-STD-361-1 and the applicable data as follows:

a. "Current as of" date.

b. The Reporting of Errors and Recommending Improvements statement (including name, address, and symbol of proponent) to be included on title and table of contents pages.

c. Supersession notice, if applicable.

d. Columnar data for entry in the tabular listings.

e. Reference graphics and illustrations material.

f. Drawings for material covered, if applicable.

g. Applicable publications references.

h. Maintenance allocation chart, if applicable.

i. Applicable introduction content.

j. TM number.

k. Change number, if applicable.

5.6.3 Final reproducible copy. RPSTL final draft equipment TMs shall be prepared as final reproducible copy in accordance with MIL-STD-361-1.

5.7 RPSTL quality assurance provisions. The RPSTL shall conform to all quality assurance provisions as cited in the following paragraphs.

5.7.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection requirements (examinations and tests) as specified herein. Except as otherwise specified in the contract or purchase order, the contractor may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in this standard where such inspections are deemed necessary to ensure supplies and services conform to prescribed requirements.

5.7.1.1 Responsibility for compliance. The inspections set forth in this standard shall become a part of the contractor's overall inspection system or quality program. The absence of any inspection requirements in the standard shall not relieve the contractor of the responsibility of ensuring that all products or supplies submitted to the Government for acceptance comply with all requirements of the contract. Sampling inspection is an acceptable practice to ascertain conformance to requirements; however, this does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to accept defective material.

5.7.1.2 Government-furnished data. The contractor shall validate that all such Government-furnished data are properly and correctly reflected in the RPSTL. The contractor shall be responsible for notifying the Government of any inaccurate or inadequate data or any data that are inconsistent within the content of the RPSTL or with other sources of data.

5.7.1.3 In-process reviews (IPRs). IPRs shall be held during the preparation of the RPSTL publication (in accordance with MIL-STD-361-4), primarily to provide guidance to the contractor to assure that the publications are prepared in conformance to contract and standard requirements. IPRs may be conducted at the contractor's facility or at the contracting activity's facility, at any time during the development of the publication but normally prior to preparation of the final contract deliverable. IPRs are not a part of validation or verification and shall not be used to take the place of validation or verification.

5.7.2 Validation. The RPSTL publication shall be validated by the contractor in accordance with the requirements contained herein. The introductory material and columnar headings shall not be included in the sampling procedure used for the tabular listings.

5.7.2.1 Introductory material. The contractor shall validate the introductory material to assure that all the paragraphs and only those paragraphs and information required by this standard, or specifically authorized by the contracting activity, are included.

5.7.2.2 Columnar headings. The contractor shall validate the columnar headings for conformance to this standard. The validation shall assure that the headings used on the tabular lists are consistent with the explanations of the headings in the introductory material.

5.7.2.3 Sampling plan. The RPSTL shall be validated by the contractor, using a sampling procedure. The sampling shall be in accordance with MIL-STD-105, using the single sampling plan for general inspection level II and normal inspection. The lot size shall be the number of line entries appearing in the manuscript.

5.7.2.3.1 Line item entries. The validation of each data element included in the line item entries sampled shall include (but not be limited to) and assure that:

a. All data elements required by this standard are correctly entered and that data elements not required are not included.

b. Figure and item number in the listing correctly identified the item called out on the illustration.

c. Item number, CAGEC, P/N, and item name/description are correctly entered in the index for each entry.

d. Functional or subfunctional group names and numbers are consistent within the listings, table of contents, and illustrations, and with the MAC as required by MIL-STD-361-8.

e. SMR coding of spare/repair parts is in accordance with the MAC functions.

5.7.2.4 Verification. The contractor shall provide facilities and access for the Government to verify content accuracy of the RPSTL by automated verification of NSNs listed to associated CAGEC/PN, inspection of the contractor's records, review of random samples of line entries, or witnessing the contractor's validation.

5.8 Quality assurance. Quality assurance and quality control for TMs, revisions, supplements, and changes shall be in accordance with above listed requirements and MIL-STD-361-4.

5.9 Packaging and preparation for delivery. TM, revisions, supplements, and changes shall be packaged in accordance with MIL-STD-361-5.

6. NOTES

(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)

6.1 Intended use. This document prescribes the repair parts and special tools list requirements applicable to various types of TMs, revisions, supplements, and changes prepared by or for the Department of the Army.

6.2 Issue of DODISS. When this document is used in acquisition, the applicable issue of the DODISS must be cited in the solicitation. (See 2.1.1.)

6.3 Tailoring guidance. The contracting activity should tailor any required options offered herein in accordance with MIL-M-63008.

6.4 Acquisition requirements. Acquisition documents should specify the following:

a. Title, number, and date of this standard.

b. Issue of DODISS to be cited in the solicitation, and, if required, the specific issue of individual documents referenced. (See 2.1.1).

c. Applicable export warning, distribution statement and destruction notice. (See 5.4.1.1).

d. Illustration identification numbers (5.4.1.6.1).

e. Government-furnished data to be incorporated (5.6.2).

6.5 Supersession data. This document supersedes the repair parts and special tools list requirements contained in the following document:

MIL-M-49502(TM) - Manuals, Technical: Repair Parts and Special Tools List.

6.6 Subject term (key word) listing. The following terms are to be used to identify this document during retrieval searches:

Abbreviations
Appendix RPSTL
Arrangement of figures
Assembled items
Basic issue items (BIIs) and special tools
Basis of issue (BOI)
Bulk figure
Changes
Commercial and Government entity code (CAGEC)
Components listing

Content
D coded items
Deleted figures and items
Depot repair parts
Description
DMWR RPSTL
Electronic items
Exploded views
FGC nomenclature
Figure numbering
Format
Front matter
Functional grouping
Halftones
Illustration identification numbers
Illustrations
In-process review (IPR)
Introduction
Kits and kit repair parts
Manufactured items
Multisheet illustrations
National item identification number (NIIN)
National stock number (NSN) index
Numbering added figures
Numbering added items
Page numbering
Part number (P/N) index
Quantity
Reference designator (REF DES) index
Repair parts list
RPSTL TM
Serial number application
SMR code
Special requirements
Special tools list
Special tools set kit line entries
Technical content requirements
Usable on code (UOC)
Validation/verification

MANUAL NUMBER

TECHNICAL MANUAL

UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST
(INCLUDING DEPOT MAINTENANCE REPAIR PARTS)

NOMENCLATURE OF EQUIPMENT
NSN XXXX-XX-XXX-XXX (EIC XXX)
Current as of 27 January 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 the back of this manual direct to: (name and address of proponent). A reply will be furnished to you.

SUPERSEDURE NOTICE - This manual supersedes (insert manual number and publication date).

DISTRIBUTION STATEMENT A - Approved for public release; distribution is unlimited.

HEADQUARTERS, DEPARTMENT OF THE ARMY

DATE

TABLE OF CONTENTS

		Page	Illus/ Figure
SECTION I	INTRODUCTION	1	
SECTION II	REPAIR PARTS LIST	1-1	
GROUP 00	20-mm self-propelled air defense artillery gun M163A1	1-1	1
GROUP 01	20-mm air defense gun cannon M168	2-1	2
	0101 Recoil adapter assembly	2-1	2

i

FIGURE 1. Example of RPSTL title block page (sheet 1 of 2) (reference 5.4.1.1b, 5.4.1.1c, 5.4.1.9.1a).

TM X-XXXX-XXX-XXP

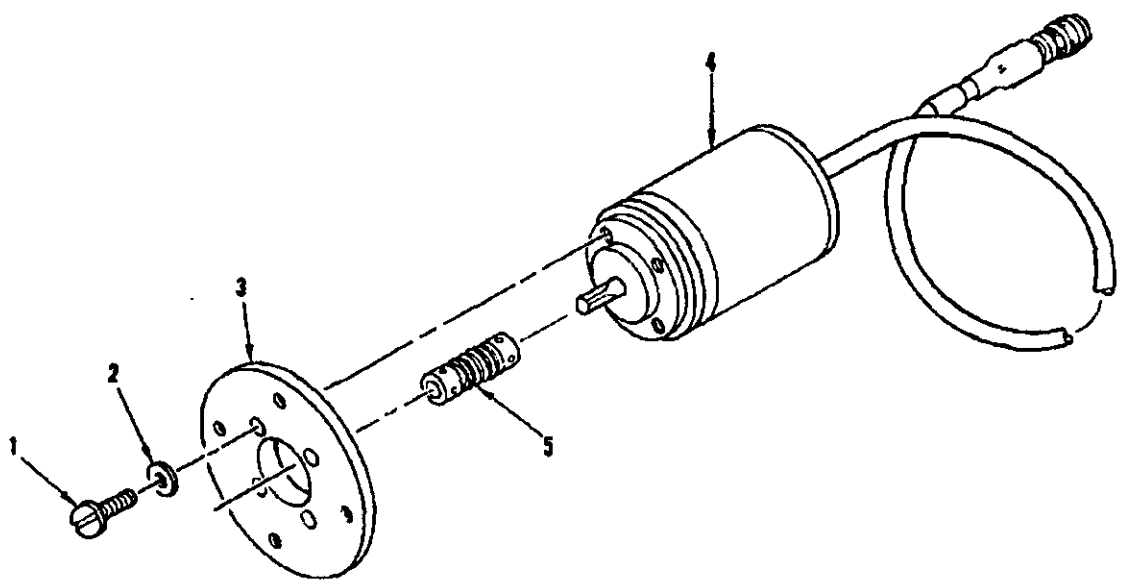
TABLE OF CONTENTS - Continued

		Page	Illus/ Figure
	0102 Breech bolt assembly	2-2	2
	0103 Center clamp assembly	2-2	2
GROUP 02	20-mm gun mount assembly M157A1	3-1	3
	0201 Storage battery	3-2	3
	0202 Ammunition chute	3-2	3
	0203 Element chute	3-2	3
	0204 Mount component assembly detail illustrations	3-3	3
	020401 Turret drum assembly	3-3	3
	020402 Azimuth drive assembly	3-4	3
	020403 Azimuth drive friction clutch assembly	3-4	3
GROUP 03	Automatic lead computing sight M61	4-1	4
	0301 Motor and electromagnet assemblies	4-1	4
	0302 Combining glass and gimbal	4-2	4
	0303 Caging device and cable assembly	4-2	4
	0304 Housing support assembly	4-2	4
GROUP 09	Special tools (repair parts)		
	0901 Boresight	6-1	6
	0902 Storage drum slot gauge with case	7-1	7
GROUP 99	Bulk materials list	Bulk-1	
SECTION III	SPECIAL TOOLS LIST	8-1	8
	Special tools for direct support (stowed with case)	8-1	8
SECTION IV	CROSS-REFERENCE INDEXES	I-1	
	National stock number index	I-1	
	Part number index	I-7	
	Reference designator index	I-18	

FIGURE 1. Example of RPSTL title block page (sheet 2 of 2) (reference 5.4.1.1b, 5.4.1.1c, 5.4.1.9.1a).

TM 9-1090-208-23P

SECTION II



MI 7236

Figure 35. Group 08 Elevation Resolver Assembly 7-217221365-3 (PAOOO).

FIGURE 2. Example of Section II illustration (reference 5.4.1.3, 5.4.1.6.1, 5.4.1.9.1c).

TM 11-1520-238-23P

SECTION II

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE (UOC)	(7) QTY
					GROUP 110503 WIRING INSTALLATION FIG. 99 WIRING INSTALLATION 70551-02169-012 AND -014	
1	MOOZZ		78286	SS9014J22R	PLATE, INDENT MAKE FROM AL FOIL 0.003 TO 0.005 IN. THK QQ-A-1876 OR GG-P-455 GRADE A	1
2	MOOZZ		78286	SS9014J25R	PLATE, INDENT MAKE FROM AL FOIL 0.003 TO 0.005 IN. THK QQ-A-1876OR GG-P-455 GRADE A	1
3	AOOOO		78286	70602-02107-041	HARNESS ASSY SEE FIG. 96 FOR BREAKDOWN	1
4	AOOOO		78286	70602-02102-041	HARNESS ASSY, ICS USBL EFF 77-22714 THRU 77-22717 SEE FIG. 100 FOR BREAKDOWN	1
4	AOOOO		78286	70602-02102-042	HARNESS ASSY, ICS USBL EFF 77-22718 THRU 83-23866 SEE FIG. 100 FOR BREAKDOWN	1
4	AOOOO		78286	70602-02102-043	HARNESS ASSY, ICS USBL EFF 83-23887 AND SUB SEE FIG. 100 FOR BREAKDOWN	1
5	AOOOO		78286	70602-02103-041	HARNESS ASSY, ICS USBL EFF 77-22714 THRU 83-23886 SEE FIG. 101 FOR BREAKDOWN	1
5	AOOOO		78286	70602-02103-042	HARNESS ASSY USBL EFF 83-23887 AND SUB SEE FIG. 101 FOR BREAKDOWN	1
6	PAOZZ	5340-00-291-5323	96906	MS2191WDG4	CLAMP, LOOP	7
7	MOOZZ		78286	SS9014J204R	PLATE, IDENT MAKE PER SB11-631	1
8	PAOZZ	5310-01-105-7241	88044	AN690JD10L	WASHER, FLAT	16
9	PAOZZ	5310-00-877-5798	96906	MS21044D3	NUT, SELF-LOCKING.HE	23
10	PAOZZ	5340-00-291-5353	96906	MS21919WDG2	CLAMP, LOOP	17
11	PAOZZ	5305-00-947-4282	96906	MS27039DD1-09	SCREW, MACHINE	8
12	PAOZZ	5340-00-598-0529	96906	MS21919WDG28	CLAMP, LOOP	3
13	PAOZZ	5340-00-286-9427	96906	MS21919WDG12	CLAMP, LOOP	1
14	PAOZZ	5305-00-947-4278	96906	MS27039DD1-08	SCREW, MACHINE	9
15	PAOZZ	5365-00-662-3100	82918	BACS18AE3-64	SPACER, SLEEVE	3
16	PAOZZ	5340-00-598-0146	96906	MS21919WDG6	CLAMP, LOOP	6
17	PAOZZ	5340-00-291-5322	96906	MS21919WDG3	CLAMP, LOOP	2
18	PAOZZ	5310-01-134-5794	88044	AN960KD10	WASHER, FLAT	6
19	PAOZZ	5305-00-947-6994	96906	MS27039DD1-24	SCREW, FLAT	2
20	PAOZZ		96906	MS35489-17	GROMMET, NONMETALLIC UOC: 77551-02169-012	1
20	PAOZZ	5325-00-291-9366	96906	MS35489-11	GROMMET, NONMETALLIC UOC: 70511-02169-014	1
21	PAOZZ	5305-00-889-2998	96906	MS35206-216	SCREW, MACHINE	1
22	PAOZZ	5310-00-187-2397	88044	AN960PD4L	WASHER, FLAT	3
23	XBDZZ		78286	70551-01001-128	COVER	1
					END OF FIGURE	

99-1

FIGURE 3. Example of Section II parts list (reference 5.4.1.3., 5.4.1.3.7e, 5.4.1.3.7f,l 5.4.1.6.8, 5.4.1.9.1c).

= =

(6) DESCRIPTION AND USABLE ON CODE(UOC)	(7) QTY
GROUP 14 ENGINE ASSEMBLY	
FIG. 24 OIL PUMP ASSEMBLY	
.BOLT, MACHINE	1
.WASHER, LOCK	1
.STRAINER, PUMP	1
.PUMP, ROTARY	1
..REGULATOR PRESS	1
..WASHER, KEY	1
..SPACER, RING	5
..GEAR, OIL PUMP	1
..BOLT, MACHINE CAP SCREW 1/4-20X1-3/8 INCH	2
..WASHER, LOCK 1/4 IN. MEDIUM SAE LOCKWASHER STEEL	2
..SCREW, COVER	6
..COVER, PUMP	1
..PUMP, OIL BSC	1
...GEAR, DR SHAFT	1
...SHAFT, DRIVE	1
...GEAR, IDLER	1
...BODY ASSY	1
...SHAFT, IDLER	1
....BODY, PUMP	1

END OF FIGURE

24-1

FIGURE 4. Example of indentions (next higher assembly) (reference 5.4.1.3.7c, 5.4.1.9.1c).

TM 9-2320-258-34P

SECTION II

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE(UOC)	(7) QTY
					GROUP 95 GENERAL USE STANDARDIZED PARTS	
					GROUP 9501 BULK MATERIAL	
					FIG. BULK	
1	PAOZZ	5330-00-982-5130	81349	MILC7637TYP2	ASBESTOS SHEET, WOVE	V
2	XBOZZ		19207	RRC271	CHAIN, WELDLESS	V
3	PAOZZ	5975-00-285-0907	97030	LOOM 3/8 ID	CONDUIT, NONMETALLIC	V
4	PAOZZ	9340-00-142-6860	19207	11633348	GLASS, LAMINATED	V
5	PAOZZ	9340-00-285-6775	19200	8635931	GLASS, LAMINATED	V
6	PFOZZ	4720-00-809-2429	30299	FT3548-5	HOSE, AIR DUCT	V
7	PAFZZ	4720-00-001-0093	81349	MILH13531	HOSE ASSEMBLY, NONME	V
8	XBOZZ		85757	3250-0610	HOSE, NONMETALLIC	V
9	PAFZZ	4720-00-999-8994	01276	303-8	HOSE, NONMETALLIC	V
10	PAOZZ	4720-00-951-2433	96909	MS521301A229R	HOSE, NONMETALLIC	V
11	PAOZZ	4720-01-009-9058	85757	3250-1010	HOSE, NONMETALLIC	V
12	PAOZZ	4720-00-683-8830	81349	MIL-H-8788-4	HOSE, NONMETALLIC	V
13	PAOZZ	4720-00-999-4044	11083	3R7752	HOSE, PREFORMED	V
14	XBOZZ		81349	MIL-I-14511	INSULATION BOARD TH	V
15	PAOZZ	9390-00-488-2106	19207	CPR102201	NONMETALLIC SPECIAL	V
16	PAOZZ	5330-00-333-0313	81348	HHP151	RUBBER SHEET SOLID	V
17	XBOZZ		19207	10287823-7	RUBBER STRIP	V
18	PAFZZ	5330-01-040-8923	19207	CPR104394	SEAL, RUBBER CHANNEL	V
19	PAFZZ	5330-01-082-3792	19207	CPR102235	SEAL, RUBBER SPECIAL	V
20	PAOZZ	5330-01-082-3793	19207	CPR102232	SEAL, RUBBER SPECIAL	V
21	PAOZZ	5365-00-944-1871	19204	7383942	SPACER, SLEEVE	V
22	PAOZZ	4710-00-234-0701	19207	CPR103203-1	TUBE ASSEMBLY, METAL	V
23	PAOZZ	4710-00-277-5524	19207	7036787	TUBE, METALLIC	V
24	PAOZZ	4710-00-277-5526	91340	D11076-4A7	TUBE, METALLIC	V
25	PAFZZ	4710-00-006-1647	81348	QQ-T-830	TUBE, METALLIC	V
26	PAOZZ	4710-00-203-3174	16236	CS4710-0004GB	TUBE, METALLIC	V
27	PAOZZ	4710-00-335-2610	81349	M3520-B70E02G	TUBE, METALLIC	V
28	PAOZZ	4710-00-277-4515	81346	ASTM B280	TUBE, METALLIC	V
29	PAOZZ	4710-00-203-3172	17590	305087-0116	TUBE, METALLIC	V
30	XBOZZ		19207	CPR109328-1	TUBING	V
31	PAOZZ	4720-00-462-7494	19200	8589761-22	TUBING, NONMETALLIC	V
32	XBOZZ		19207	CPR109328-2	TUBING, RUBBER	V
33	PAFZZ		19207	CPR102229	WEATHERSTRIP, DOOR	V
34	PAOZZ	6145-00-705-6674	81349	M13486-1-14	WIRE, ELECTRICAL	V
35	PAOZZ	6145-00-254-6117	81349	M13486-1-15	WIRE, ELECTRICAL	V
36	PAOZZ	6145-00-161-1609	81349	M13486-1-3	WIRE, ELECTRICAL	V
37	PAOZZ	9505-00-555-8648	96906	MS20995C47	WIRE, NONELECTRICAL	V
					END OF FIGURE	

BULK-1

FIGURE 5. Example of bulk material list (reference 5.4.1.3.7g, 5.4.1.9.1c).

TM X-XXXX-XXX-XXP

SECTION II

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE(UOC)	(7) QTY
					GROUP 15 AUXILIARY POWER UNIT	
					FIG.10 ENGINE, GAS TURBINE T62T-2A, T52T-2A1	
1	PAODD	2835-00-906-6766	55820	37688-0	ENGINE, GAS TURBINE T62T-2A..... UOC:NB4	1
2	PAODD	2835-00-804-8316	55820	37688-1000	ENGINE, GAS TURBINE T62T-2A1..... UOC:NB5	1
3	PAOZZ	5310-00-877-5797	96906	MS21044N3	.NUT, SELF-LOCKING..... UOC:NB4,NB5	2
4	PAOZZ		88044	AN960DD10	.WASHER, FLAT..... UOC:NB4,NB5,NB6	2
5	KAOZZ	5330-00-263-8030	96906	MS29512-06	.PACKING,PREFORMED PART OF KIT P/N 31766-1.....	10
6	PAOOO	2910-00-919-2021	58220	28022-4	..NOZZLE ASSEMBLY STATOR..... UOC:NB4,NB5,NB6	1
7	KDOZZ	5330-00-961-1463	96906	MS35769-5	..GASKET PART OF KIT P/N 31766-1..... UOC:NB4,NB5,NB6	1
8	PAOZZ		71895	970HE1UPPH	..NOZZLE, STATOR..... UOC:NB4,NB5,NB6	1
9	KAOZZ	5330-00-961-1463	55820	26793-1	..GASKET PART OF KIT P/N 31766-1..... UOC:NB4,NB5,NB6	1
	PAOZZ		55820	31766-1	SEAL KIT, TURBINE..... GASKET (1) 10-7 GASKET (1) 10-9 PACKING, PREFORMED (10) 10-5	V
					END OF FIGURE	

10-1

FIGURE 6. Example of kits breakdown option 1 (reference 5.4.1.3.7h, 5.4.1.9.1c).

TM 9 2320-258-34P

SECTION II

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE(UOC)	(7) QTY
					GROUP 94 REPAIR KITS	
					GROUP 9401 REPAIR KITS	
					FIG. KITS	
	PAOZZ	2540-00-255-0775	78385	G704528	PARTS KIT,HEATER,VE PERSONNEL HEATER.....	1
					BURNER ASSEMBLY (1) 252-6	
					SCREW, MACHINE (1) 252-8	
	PAOZZ	2540-00-255-0777	78385	G704529	PARTS KIT,HEATER,VE PERSONNEL HEATER.....	1
					SCREW, MACHINE (1) 252-8	
					VAPORIZER (1) 252-11	
					WASHER, FLAT (1) 252-9	
					WASHER, FIBRE (1) 252-10	
					WASHER FLAT (1) 252-12	
					WICK (1) 252-13	
	PAFZZ	2990-01-065-7617	19207	12259821	MOUNT, ENGINE TO BE INSTALLED ONLY AS A SET.....	1
					CAP, ENGINE MOUNT (1) 1-14	
					MOUNT, ENGINE (1) 1-18	
	PAFZZ	4320-01-133-4069	62983	421242L	PARTS KIT, HYDRAULIC.....	1
					GASKET (1) 239-5	
					PACKING, PREFORMED (1) 239-4	
					PACKING, PREFORMED (1) 239-6	
					PACKING, SEAL (4) 239-8	
					PARTS KIT, ROTARY PU (2) 239-9	
					PARTS KIT, ROTARY PU (10) 239-10	
					PIN (20) 239-14	
					PLATE, INLET SUPPORT (1) 239-13	
					PLATE, OUTLET SUPPORT (1) 239-7	
					RETAINER, PACKING (1) 239-12	
					RING (1) 239-12	
					ROTOR (1) 239-11	
					SCREW (2) 239-15	
					END OF FIGURE	

KIT-1

FIGURE 7. Example of kits breakdown option 2 (reference 5.4.1.3.7h, 5.4.1.9.1c).

TM11-1520-238-23P

SECTION III

(1) ITEM NO.	(2) SMR CODE	(3) NSN	(4) CAGEC	(5) PART NUMBER	(6) DESCRIPTION AND USABLE ON CODE(UOC)	(7) QTY
					GROUP 30 SPECIAL TOOLS	
					FIG. 254 SPECIAL TOOLS	
1	PEODD	6625-01-169-5333	80058	TS-3920A/ASM	TEST SET, STABILIZAT (BOI: 1 AUTH PER 15 AIRCRAFT)	
1	PEODD	6625-01-266-1636	80058	TS-3920B/ASM	TEST SET, STABILIZAT (BOI: 1 AUTH PER 15 AIRCRAFT)	
2	XBOZZ		80063	A3012556	WEDGE, 30/60/90 DEG. (BOI: 1 AUTH PER TEST SET)	
3	XBOZZ		80063	A3012557	WEDGE, 05/85/90 DEG. (BOI: 1 AUTH PER TEST SET)	
4	XBOZZ		80063	A3012558	PIN, ALIGNMENT (BOI: 1 AUTH PER TEST SET)	
5	XBOZZ		80063	A3012559	FIXTURE, PROTRACTOR (BOI: 1 AUTH PER TEST SET)	
					END OF FIGURE	

254-1

FIGURE 8. Example of special tools list and BOI (reference 5.4.1.4, 5.4.1.4.2).

TM 9-1090-208-23P

SECTION IV

CROSS-REFERENCE INDEXES

NATIONAL STOCK NUMBER INDEX

STOCK NUMBER	FIG.	ITEM
5365-00-003-6807	4	4
5935-00-005-2826	3	1
5315-00-012-0123	65	1
5310-00-016-7216	28	12
5340-00-021-3495	77	20
	85	15
5310-00-027-7247	8	2
5310-00-030-0580	51	21
3110-00-034-5257	69	5
	72	5
	75	9
	77	8
	79	5
	81	10
	84	5
	85	3
5305-00-038-9048	45	27
5310-00-045-3296	77	25
	85	20
5310-00-045-4007	2	5
5305-00-052-6456	55	2
5310-00-054-0041	24	3
5305-00-054-5637	6	9
5305-00-054-5638	88	11
5305-00-054-5647	33	15
	51	25
5305-00-054-5648	10	1
	33	7
5305-00-054-5649	2	8
	29	13
	33	3
	51	15
	52	8
	89	3
5305-00-054-5650	51	3
5305-00-054-5651	9	5
	28	5
	90	1
5305-00-054-5652	52	1
5305-00-054-5653	28	6
5305-00-054-6653	89	17
5305-00-054-6654	28	23
	29	8
5305-00-054-6655	29	4
	88	21
5305-00-054-6657	29	18
5305-00-054-6666	51	29
5305-00-054-6669	1	10
5305-00-054-9263	60	4
5305-00-056-9961	9	3
	33	16
	88	35
5310-00-057-0573	33	8
	52	2
	90	2
5310-00-058-1823	29	1
	61	4
5315-00-058-6062	45	18
5305-00-059-3657	2	14
5305-00-059-3658	1	3
5305-00-059-3661	51	26
5310-00-061-7326	29	19
5305-00-066-7327	88	37
5305-00-066-7369	34	1
5365-00-067-3836	46	17
5305-00-068-0543	45	9
5365-00-068-8011	70	2
	80	2
5975-00-074-2072	61	12
	88	33
5970-00-074-8780	28	15
5320-00-076-4071	59	19
5360-00-079-1713	11A	2
5305-00-079-5835	51	22
	88	28
5306-00-080-1537	32	28
5305-00-103-2994	45	14
5905-00-104-8368	2	25
5306-00-106-6321	63	5
	77	22

FIGURE 9. Example of national stock number cross-reference index (reference 5.4.1.5, 5.4.1.5.1, 5.4.1.9.1e).

TM 11-7021-212-23P

SECTION IV
CROSS-REFERENCE INDEXES
PART NUMBER INDEX

PART NUMBER	FIG.	ITEM
AN960C10L	12	20
AN960C4L	8	11
	9	44
	12	24
	17	28
AN960C416L	8	89
AN960C516L	8	66
AN960C6	8	74
	13	5
AN960C6L	27	6
AN960C616	27	22
AN960C8	8	41
	11	10
AN960C816	17	9
AP373-95	8	84
AP373-96	12	15
B3-14	17	12
CA4342	27	23
CA4440-4	16	54
CD2-Z147-1	16	44
CKR05BX102M	10	7
CMR05F201JPDR	14	16
DB-3	16	65
DBM5W5P	15	17
	31	11
	32	2
DBM5W5S	8	29
	31	3
DBM50906-1	8	28
	15	18
	31	5
	32	4
DDM50PE	10	27
DM53744-21	8	32
DM53744-24	31	2
DM53744-25	31	1
DM53745-25	15	16
	31	10
DM53745-27	15	15
	31	9
DM53745-28	32	1
DSC7900-10-C-6	8	19
EP15160X	10	81
EP162996	10	80
	14	91
FM08A125V2A	30	17
FT049B02	15	41
	28	3
I/O-100-00000	21	3
	22	5
	23	3
	24	2
	25	2
	26	2
JANTX1N1206A	12	1
	14	3
JANTX1N4102-1	10	89
JANTX1N4106-1	14	98
JANTX1N4109-1	9	31
JANTX1N4150-1	4	2
	8	77
	9	4
	10	1
	14	2
	28	1
JANTX1N4572A-1	10	86
JANTX1N4626-1	10	90
	28	8
JANTX1N4627	10	85
JANTX1N4627-1	14	99
JANTX1N5419	9	1
	12	2
JANTX1N5420	10	3
	14	4
JANTX1N5645A	9	30
JANTX1N5656A	10	87
JANTX1N5806	10	2
JANTX1N5811	9	3
	14	1
JANTX1N6075	9	2
JANTX1N647-1	4	1
JANTX2N2219A	28	5
JANTX2N2222A	10	29
	14	31
JANTX2N2369A	10	30
JANTX2N2907A	10	28
	14	34
JANTX2N3421	10	31
JANTX2N3507	9	11
JANTX2N3737	9	12
JANTX2N3868	9	13
JANTX2N6352	9	10
JANTX2N6764	14	32
	15	5
JANTX2N6770	14	33
JANTX2N683	8	83

I-10

FIGURE 10. Example of part number index (reference 5.4.1.5, 5.4.1.5.2, 5.4.1.9.1e).

TM 9-XXXX-XXX-34P

SECTION IV

CROSS-REFERENCE INDEXES

REFERENCE DESIGNATOR INDEX

REFERENCE DESIGNATOR	FIG.	ITEM	REFERENCE DESIGNATOR	FIG.	ITEM
S1	1	15	2A1A4	70	8
W2	1	3	2A1A6	70	9
2AT1	2	309	2A1A7	70	9
2AT10	2	552	2A1A8	70	10
2AT11	2	699	2A1A9	70	11
2AT12	2	699	2A1DL1	70	25
2AT13	2	479	2A1DL2	70	25
2AT14	2	479	2A1DL3	70	25
2AT2	2	309	2A1DL4	70	25
2AT3	2	558	2A1DL5	70	25
2AT4	2	564	2A1DL6	70	25
2AT5	2	705	2A1J20	71	27
2AT5	2	479	2A1J25	71	36
2AT6	2	494	2A1J29	71	34
2AT7	2	675	2A1W10	71	46
2AT8	2	624	2A1W12	71	44
2AT9	2	552	2A1W14	71	45
2A1	2	489	2A1W30	70	31
2A1AT2	71	30	2A1W31	70	29
2A1AT3	71	33	2A1W32	70	30
2A1A1	70	6	2A1W33	70	28
2A1A10	70	6	2A1W34	70	26
2A1A11	70	12	2A1W35	70	27
2A1A13	70	13	2A1W36	70	35
2A1A14	70	14	2A10	2	590
2A1A15	70	14	2A10A1	80	2
2A1A16	70	15	2A10A10	80	2
2A1A17	70	16	2A10A11	80	3
2A1A18	70	13	2A10A13	80	4
2A1A19	70	14	2A10A14	80	2
2A1A20	70	14	2A10A15	80	5
2A1A21	70	15	2A10A3	80	2
2A1A22	70	16	2A10A5	80	2
2A1A23	70	17	2A10A7	80	2
2A1A24	70	13	2A10A9	80	2
2A1A25	70	14	2A100	3	186
2A1A26	70	14	2A100CB1	18	15
2A1A27	70	15	2A100CB2	18	37
2A1A28	70	16	2A100CB3	18	37
2A1A29	70	18	2A100CB4	18	37
2A1A3	70	7	2A100CB5	18	38
2A1A30	70	19	2A100CB6	18	6
2A1A31	70	20	2A100CR1	18	40
2A1A32	70	21	2A100CR10	18	40
2A1A33	70	22	2A100CR11	18	40
2A1A34	71	50	2A100CR12	18	40

FIGURE 11. Example of reference designator index (reference 5.4.1.5.3).

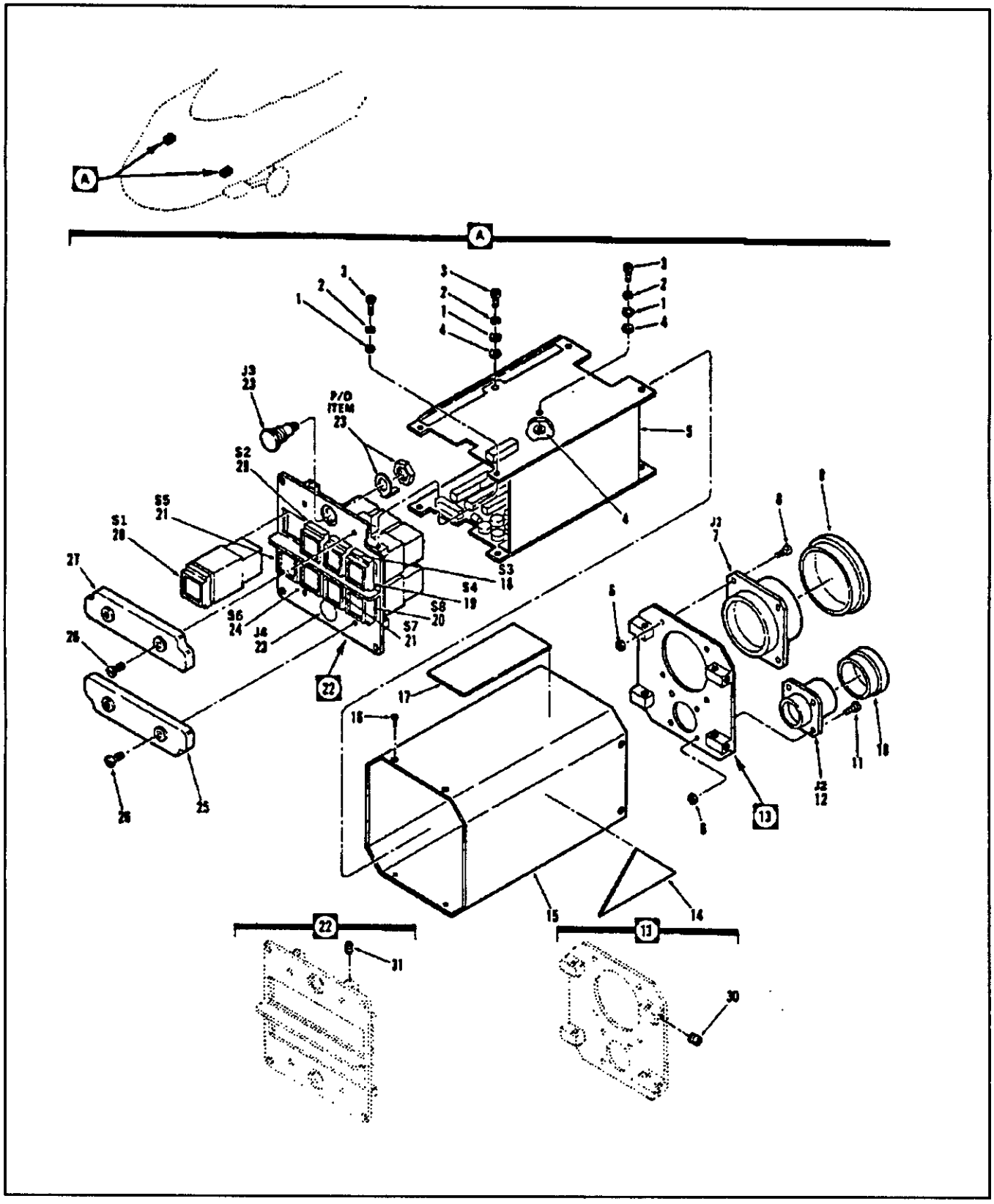
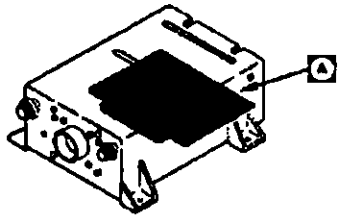
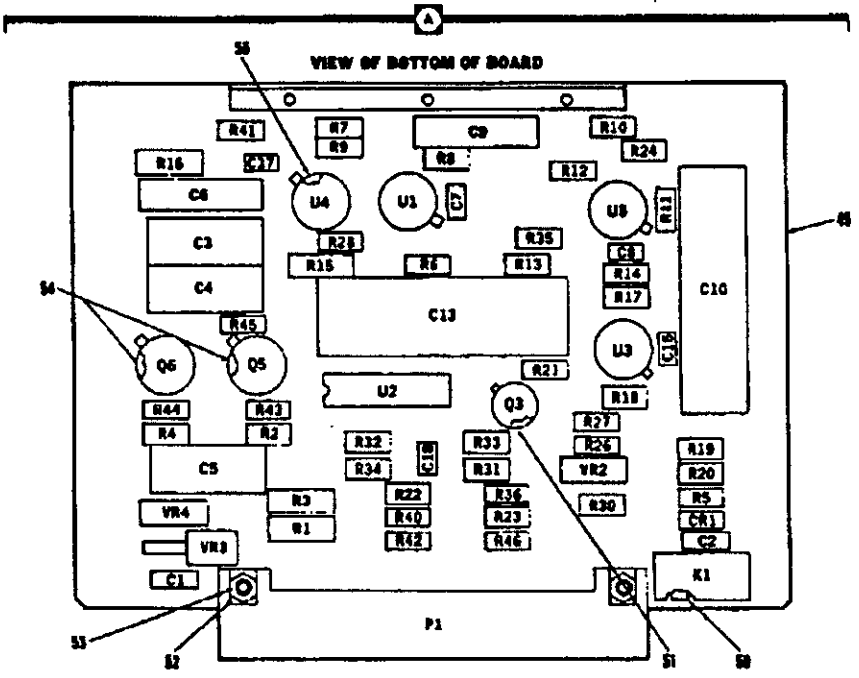


FIGURE 12. Example of electronic items (with reference designators) numbered in clockwise sequence (reference 5.4.1.6.4, 5.4.1.6.16.1).

TM X-XXXX-XXX-23P

SECTION II





LEGEND

REF DES	ITEM NO.	REF DES	ITEM NO.	REF DES	ITEM NO.	REF DES	ITEM NO.
CR1	1	C9	8	Q5	16	R8	23
C1	2	C10	9	Q6	17	R9	24
C2	3	C13	10	R1	18	R10	25
C3	4	C16	11	R2	19	R11	23
C4	4	C17	11	R3	18	R12	26
C5	5	C18	12	R4	19	R13	27
C6	6	K1	13	R5	20	R14	27
C7	7	P1	14	R6	21	R15	28
C8	7	Q3	15	R7	22	R16	29

REF DES	ITEM NO.	REF DES	ITEM NO.	REF DES	ITEM NO.	REF DES	ITEM NO.
R17	30	R27	37	R40	21	U3	45
R18	19	R28	38	R41	21	U4	45
R19	30	R30	39	R42	21	U5	43
R20	31	R31	40	R43	42	VR2	46
R21	32	R32	40	R44	42	VR3	47
R22	33	R33	41	R45	42	VR4	48
R23	34	R34	41	R46	38		
R24	35	R35	27	U1	43		
R26	36	R36	21	U2	44		

NOTE: PREFIX ALL REFERENCE DESIGNATIONS WITH A2.

FIGURE 13. Example of electronic items with legend (reference 5.4.1.6.4a).

TM 9-2320-280-20P

CHANGE
NO. 1

HEADQUARTERS, DEPARTMENT OF THE ARMY
WASHINGTON DC, 31 MAY 1988

TECHNICAL MANUAL

UNIT MAINTENANCE REPAIR PARTS AND SPECIAL
TOOLS LIST
FOR
TRUCK, UTILITY, 1-1/4 TON, 4X4:
CARGO/TROOP CARRIER, M998
NSN 2320-01-107-7155 (EIC XXX)

DISTRIBUTION STATEMENT A - Approved for public release; distribution is unlimited.

TM 9-2320-280-20P, 18 June 1987, is changed as follows:

1. Remove old pages and insert new pages as indicated below.
2. File this sheet in the front of the manual for reference purposes.
3. This change is a result of xxxxx xxxxx xxxxx.
4. An asterisk in the left-hand margin of the tabular page indicates a change in the line item that has affected either the tabular pages or the indexes.
5. Added or revised illustrations and text pages are identified by a change number (C01) placed to the right of the TM designation at the top of the affected page.
6. When a figure/item is added and it is necessary to insert it between two existing figures/items, the added figure/item will be assigned the number of the figure/item appearing first in the RPSTL, followed by an alpha character (in alphabetical sequence). For example, the figures inserted between figures 25 and 26 would be numbered figure 25A, 25B, and 25C respectively.

Remove Pages	Insert Pages	Remove Pages	Insert Pages
i through vii	i through viii	34-1 and Fig. 35	34-1 and Fig. 35
5 and 6	5 through 8	35-1 and Fig. 36	35-1 through Fig. 36
Fig. 30	Fig. 29A through Fig. 30	40-1 and Fig. 41	40-1 through Fig. 41

Change 1

FIGURE 14. Example of change sheet(s) (reference 5.4.1.10.1, 5.4.1.10.3).

TM 9-1095-208-23&P C01

SECTION II

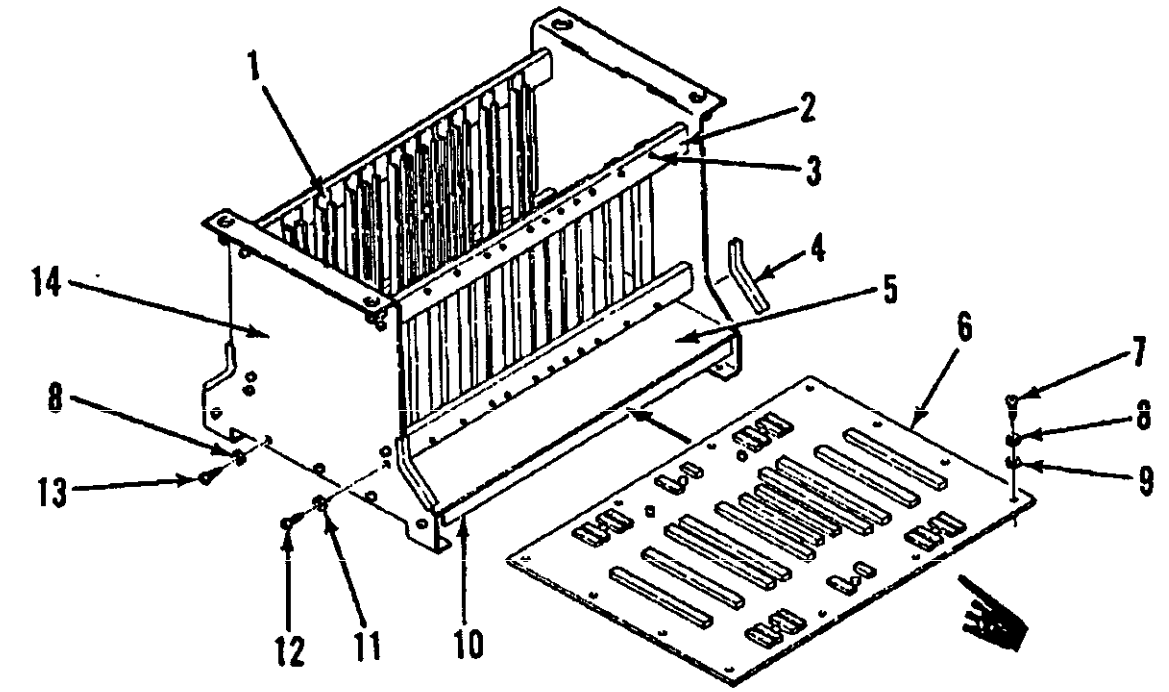


FIGURE 15. Example of change symbols for illustrations (reference 5.4.1.10.4).

INDEX

	PARAGRAPH	PAGE
Abbreviations	5.4.1.2.3	21
Acquisition requirements	6.4	34
Acronyms used in this standard	3.1	4
Appendix RPSTL	5.4.1.9.2	29
Appendix RPSTL	5.5	30
Applicability	1.3	1
APPLICABLE DOCUMENTS	2.	2
Arrangement of figures	5.4.1.6.9	27
Assembled item	3.2	5
Assembly	3.3	5
Asterisks	5.4.1.10.3	29
Basic issue items (BII) (repair parts)/special tools (repair parts)	5.4.1.3.9	24
Basis of issue (BOI)	5.4.1.4.2	24
Blank pages	5.4.1.6.10	27
Bulk figure	5.4.1.5.4	25
Bulk material	3.4	5
CAGEC and part number columns	5.4.1.3.6	21
Change numbers	5.4.1.10.2	29
Change sheet(s)	5.4.1.10.1	29
Change symbols	5.4.1.10.4	29
Changes	5.4.1.10	29
Columnar headings	5.7.2.2	32
Commercial and Government entity code (CAGEC)	3.5	5
Complete part number	3.6	5
Complete repair	3.7	5
Component	3.8	5
Components listing	5.4.1.4.4	25
Conformance to standard	5.1	9
Content	5.4	10
Contracting activity	3.9	5
"Current as of" date	3.10	5
D coded items	5.4.1.4.5	25
DEFINITIONS	3.	4
Deleted figures and items	5.4.1.10.7	30
Depot repair parts	5.3.1	9
Description and usable on code (UOC) columns	5.4.1.3.7	21
DETAILED REQUIREMENTS	5.	9
DMWR RPSTL	5.3.2	10
Electronic items	5.4.1.6.4	26
Expendable and durable items	5.4.1.3.10	24
Expendable items	3.11	5
Exploded views	5.4.1.6.3	26
FGC nomenclature	5.4.1.6.6	27
Figure (illustration) and item numbers	5.4.1.6.14	28
Figure numbering	5.4.1.6.5	26
Figure titles and list headers	5.4.1.8	28
Figure titles and numbering	5.4.1.3.1	21
Final reproducible copy	5.6.3	31
Foldout or foldout-foldup illustrations	5.4.1.6.15	28
Format	5.3	9
Front matter	5.4.1.1	10

INDEX

	PARAGRAPH	PAGE
Functional group code (FGC)	3.12	5
Functional grouping	5.4.1.4.1	24
GENERAL REQUIREMENTS	4.	8
Government documents	2.1	2
Government-furnished data	5.6.2	31
Government-furnished data	5.7.1.2	32
Halftones	5.4.1.6.2	26
Horizontal-vertical format	5.4.1.7	28
Identical assemblies	5.4.1.6.8	27
Identical parts/item numbers	5.4.1.6.7	27
Illustration identification numbers	5.4.1.6.1	26
Illustrations	5.4.1.6	26
In-process reviews (IPRs)	5.7.1.3	32
Intended use	6.1	34
Introductory material	5.7.2.1	32
Issue of DODISS	6.2	34
Item number column	5.4.1.3.2	21
Limited repair	3.13	6
Line item entries	5.7.2.3.1	33
Multisheet illustrations	5.4.1.6.12	27
National stock number (NSN)	3.14	6
National stock number (NSN) index	5.4.1.5.1	25
No duplicate illustrations	5.4.1.6.11	27
Nonapplicable data	5.4.1.2.1	19
Nonconsecutive item numbers	5.4.1.3.3	21
NOTES	6.	34
NSN column	5.4.1.3.5	21
Numbering added figures	5.4.1.10.5	29
Numbering added items	5.4.1.10.6	30
Order of precedence	2.2	3
Other Government document(s) and publication(s)	2.1.2	3
Packaging and preparation for delivery	5.9	33
Page numbering	5.4.1.9	28
Part number (P/N)	3.15	6
Part number (P/N) index	5.4.1.5.2	25
Purpose	1.2	1
Quality assurance	5.8	33
Quantity	5.4.1.3.8	24
Reference designator	3.16	6
Reference designator	5.4.1.6.16.1	28
Reference designator index	5.4.1.5.3	25
Reference to illustrations	5.4.1.6.16	28
Remove/install	3.17	6
Repair part	3.18	6
Replace	3.19	6
Responsibility for compliance	5.7.1.1	32
Responsibility for inspection	5.7.1	31
RPSTL quality assurance provisions	5.7	31
RPSTL TM	5.4.1	10
Sampling plan	5.7.2.3	32
Scope	1.1	1
SCOPE	1.	1

INDEX

	PARAGRAPH	PAGE
Section I - introduction	5.4.1.2	11
Section II - repair parts list	5.4.1.3	21
Section III - special tools list	5.4.1.4	24
Section IV - cross-reference indexes	5.4.1.5	25
Security classification markings	5.6.1	31
Selective application and tailoring	1.4	1
Separate or combined maintenance level RPSTLs	5.4.1.6.13	27
Sets and kits	5.4.1.5.5	26
SMR code	3.20	6
SMR code column	5.4.1.3.4	21
Spare part	3.21	7
Special information	5.4.1.2.2	19
Special requirements	5.6	31
Special tool set/kit line entry(s)	5.4.1.4.3	24
Special tools	3.22	7
Specifications and standards	2.1.1	2
Subject term (key word) listing	6.6	34
Supersession data	6.5	34
Tailoring guidance	6.3	34
Technical content preparation	5.2	9
Technical manuals (TMs)	3.23	7
TM RPSTL	5.4.1.9.1	28
Top-down breakdown	3.24	7
Unit	3.25	7
Usable on code (UOC)	3.26	7
Validation	3.27	7
Validation	5.7.2	32
Verification	3.28	7
Verification	5.7.2.4	33

CUSTODIAN:

Army - TM

PREPARING ACTIVITY:

Army - TM

(PROJECT TMSS 0276-11)

REVIEW ACTIVITIES:

Army - AL, AR, AT, AV, CR,
CU, EA, ER, ME, MI, SC

USER ACTIVITY:

Army - MD

Commander
USAMC Materiel Readiness Support Activity
ATTN: AMXMD-EP
Lexington, KY 40511-5101

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

1. The preparing activity must complete blocks 1,2,3, and 8. In block 1, both the document number and revision letter should be given.
2. The submitter of this form must complete blocks 4,5,6, and 7.
3. The preparing activity must provide a reply within 30 days from receipt of the form.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

I RECOMMEND A CHANGE:	1. DOCUMENT NUMBER	2. DOCUMENT DATE *(YYMMDD)*
	MIL-STD-361-11(TM)	920715

3. DOCUMENT TITLE
Repair Parts and Special Tools List (RPSTL)

4. NATURE OF CHANGE *(Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)*

5. REASON FOR RECOMMENDATION

6. SUBMITTER

a. NAME *(Last, First, Middle Initial)*	b. ORGANIZATION	
c. ADDRESS *(Include Zip Code)*	d. TELEPHONE *(Include Area Code)* (1) Commercial (2) AUTOVON *(If applicable)*	7. DATE SUBMITTED *(YYMMDD)*

8. PREPARING ACTIVITY

a. NAME	b. TELEPHONE *(Include Area Code)*
USAMC Materiel Readiness Support Activity	(1) Commercial **(606) 293-3469** (2) AUTOVON **745-3469**
c. ADDRESS *(Include Zip Code)* **ATTN: AMXMD-EP (TMSS)** **Lexington, KY 40511-5101**	IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT: Defense Quality and Standardization Office 5203 Leesburg Pike, Suite 1403, Falls Church, VA 22041-3466 Telephone (703) 756-2340 AUTOVON 289-2340