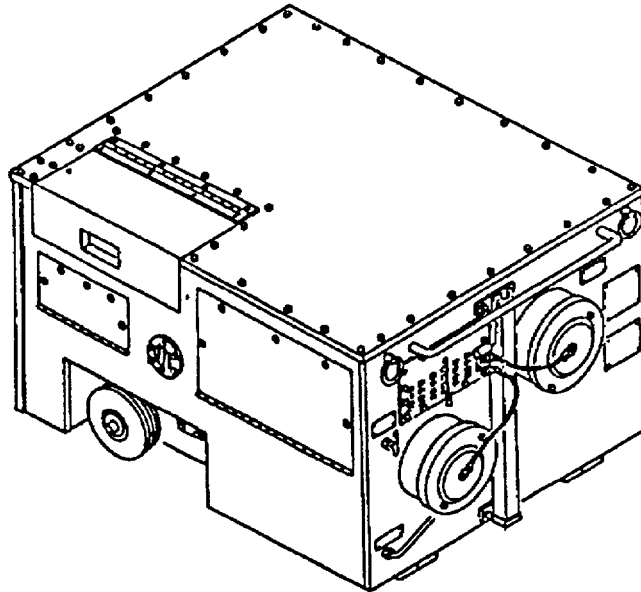


UNIT, DIRECT SUPPORT AND
GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST



ARMY SPACE HEATER (ASH)
ELECTRICAL POWERED MULTIFUEL, 120,000 BTU
MODEL H120
NSN 4520-01-367-2739
AND
MODEL H120-1
NSN 4520-01-439-1682

DISTRIBUTION STATEMENT A: Approved for public release; distribution unlimited.

TECHNICAL MANUAL

NO. 9-4520-258-24P

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 1 June 2001**Unit, Direct Support and General Support Maintenance
Repair Parts and Special Tools List****for****ARMY SPACE HEATER (ASH)
ELECTRICAL POWERED, MULTI-FUEL 120,000 BTU,
MODEL H120
NSN 4520-01-367-2739
AND
MODEL H120-1
NSN 4520-01-439-1682****REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS**

You can help improve this manual. If you find any mistakes, or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: Commander, U.S. Army Communications Electronics Command at Fort Monmouth, ATTN: AMSEL-LC-LEO-D-CS-CFO, Fort Monmouth, NJ 07703-5006. E-mail: AMSEL-LC-LEO-PUBS-CHG@mail1.monmouth.army.mil. We will send you a reply.

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*This manual supersedes TM 9-4520-258-24P, dated 23 November 1994.

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UNIT, DIRECT SUPPORT AND GENERAL SUPPORT 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, direct support and general support maintenance of the Army Space Heaters (ASH), Model H120 and Model H120-1. 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 this section, 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 pads which must be removed for replacement of the authorized parts. Pats lists are composed of functional groups in ascending alphanumeric sequence, with the parts in each group listed in ascending figure and item number sequence. Bulk materials are listed in item name sequence. Items listed are shown on the associated Illustration(s) /figure(s).

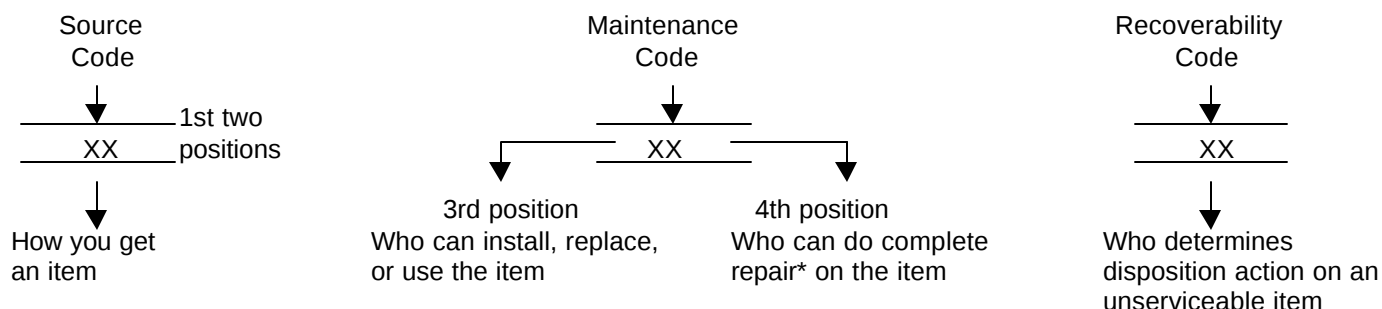
b. SECTION III. SPECIAL TOOLS LIST. A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basic of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE column) for the performance of maintenance.

c. SECTION IV. CROSS-REFERENCES INDEXES. A list, in National Item Identification Number (NIIN) sequence, of all National stock numbered items appearing in the listing, followed by a list in alphanumeric sequence of all part numbers appearing in the listings. National stock numbers and part numbers are cross-referenced to each illustration figure and item number appearance. The figure and item number index lists figure and item number in alphanumeric sequence and cross-references NSN, CAGEC and par 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 is a 5-position code containing supply/requisitioning information, maintenance category authorization criteria, and disposition instruction, as shown in the following breakout:



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

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

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

Source Code	Explanation
PA PB PC** PD PE PF PG	Stocked items; use the applicable NSN to request/requisition items with these source codes. They are authorized to the category indicated by the code entered in the 3rd position of the SMR code. **NOTE: Items coded PC are subject to deterioration.
KD KF KB	Items with these codes are no to be requested/requisitioned individually. They are part of a kit which is authorized to the maintenance category 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 Specialized Repair Activity (SRA)) MD - (Made at Depot)	Items with these codes are not to be requested/requisitioned individually. They must be made from bulk material which is identified by the part number in the DESCRIPTION and USABLE ON CODE (UOC) column and listed in the Bulk Material group of the repair parts listed in 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 a 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 Specialized Repair Activity (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 code of the SMR code authorizes you to replace the item, but the source code indicates the items are assembled at a higher level, order the item from the higher level of maintenance.
XA -	Do not requisition an "XA"-coded item. Order its next higher assembly. (Refer to the NOTE below.)
XB -	If an "XB" item is not available from salvage, order it using the CAGEC and par number given.
XC -	Installation drawing, diagram, instruction sheet, field service drawing, that is identified 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 and fourth positions 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 of 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 whether or not the item is to be repaired and identifies the lowest maintenance level with the capacity to do complete repair (i.e., perform all authorized repair functions).

NOTE

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

Maintenance Code	Application/Explanation
-----------------------------	--------------------------------

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

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

Recoverability

Code	Application/Explanation
Z -	Nonrepairable item. When unserviceable, condemn and dispose of the item at the level of maintenance shown in the third position of SMR code.
O -	Repairable tem. When not economically repairable, condemn and dispose of the item at unit or AVUM level.
F -	Repairable tem. When not economically repairable, condemn and dispose of the item at direct support or AVIM level.
H -	Repairable tem. When not economically repairable, condemn and dispose of the item at general support level.
D -	Repairable Item. When beyond lower level capability, return to depot. Condemnation and disposal of item not authorized below depot level.
L -	Repairable item. Condemnation and disposal not authorized below specialized repair activity (SRA).
A -	Item requires special handling or condemnation procedures because of specific reason (e.g., precious metal content, high dollar value, critical material, or hazardous material). Refer to appropriate manuals/directives for specific instructions.

c. **CAGEC (Column (3)).** The Commercial and Government Entity Code (CAGEC) is a 5-digit numeric code which is used to identify the manufacturer, distributor, or Government agency/activity that supplies the tem.

d. **PART NUMBER (Column (4)).** Indicates the primary number used by the manufacturer, (Individual company, firm, corporation, or Government activity), which controls the design and characteristics of the tem by means of its engineering drawings, specification standards, and specification requirements to identify an tem 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.

e. **DESCRIPTION AND USABLE ON CODE (UOC)(Column (5)).** This column includes the following information:

- (1) The Federal item name and, when required, a minimum description to identify the item.
- (2) Part number of bulk materials are reference in this column in the line entry to be manufactured/fabricated.

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

f. **QTY (Column (6)).** The QTY (quantity per figure column) indicates the quantity of the tem used in the breakout shown on the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly. A "V" appearing in this column in lieu of a quantity indicates that the quantity is variable and may vary from application to application.

4. EXPLANATION OF COLUMNS (SECTION IV).

a. **NATIONAL STOCK NUMBER (NSN) INDEX.**

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

NSN
4520-01-367-2739
NIIN

When using this column to locate an item, ignore the first four digits of the NSN. Use the complete NSN (13 digits) when requisitioning 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 by part number in ascending alphanumeric sequence (i.e., 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) **CAGEC Column.** The Commercial and Government Entity Code (CAGEC) is a 5-digit numeric code used to identify the manufacturer, distributor, or Government agency/activity that supplies the item.

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

(3) **STOCK NUMBER Column.** This column lists the NSN for the associated part number and manufacturer identified in the PART NUMBER and CAGEC columns to the left.

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

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

c. FIGURE AND ITEM NUMBER INDEX.

(1) **FIG. Column.** This lists the number of the figure where the item is Identified/located in Section II and Section III.

(2) **ITEM Column.** This item number is that number assigned to the item as its appears in the figure referenced in the adjacent number column.

(3) **STOCK NUMBER Column.** This column lists the NSN for the item.

(4) **CAGEC Column.** The Commercial and Government Entity Code (CAGEC) is a 5-digit numeric code used to identify the manufacturer, distributor, or Government agency/activity that supplies the item.

(5) **PART NUMBER Column.** Indicates the primary number used by the manufacturer (individual, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items in Section II and Section III.

5. SPECIAL INFORMATION.

a. USABLE ON CODE. The usable on code appears in the lower left corner of the Description column heading. Usable on codes are shown as "UOC: " in the Description Column Justified left) on the last line applicable item description/nomenclature. Uncoded items are applicable to all models. Identification of the usable on codes in this RPSTL are:

<u>Code</u>	<u>Used On</u>
LPL	Model H120-1, P/N 60200-100
YKR	Model H120, P/N 60000-100

b. FABRICATION INSTRUCTIONS. Bulks materials required to manufacture items are listed in the Bulk Material Functional Group of this RPSTL. Part number for bulk materials are also referenced in the description column of the line entry for the item to be manufactured/fabricated. Detailed fabrication instructions for items source coded are found in TM 9-4520-258-14.

c. INDEX NUMBERS. Items which have the 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/Pa Number Index and the bulk material list in Section II.

d. ASSOCIATED PUBLICATIONS. The publication(s) listed below pertains to the Water Pumping Assembly, Diesel Engine Driven, Wheel Mounted, 350 Gallons Per Minute (GPM), 250 Foot Head, Models 350PAW, W-87012 and 350PAWN and their components;

<u>Publication</u>	<u>Short Title</u>
TM 9-4520-258-14	Operator, Unit, Direct Support and General Support Maintenance Manual for the Army Space Heater (ASH), Electrical Powered, Multi-Fuel, 120,000 BTU, Model H120 and Model H120-1.

6. HOW TO LOCATE REPAIR PARTS.

a. When National Stock Number or Part Number is NOT Known.

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

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

(3) Third. Identify the item on the figure and use the figure and Item Number Index to find the NSN.

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

(1) First. Using the National Stock Number and Part Number Indexes find the pertinent National Stock Number or Part Number. The NSN index is in National Item Identification Number (NIIN) sequence (see 4.a.). The part numbers in the Part Number index are listed in ascending alphanumeric sequence (see paragraph 4.b.). Both indexes cross-reference you to the illustration figure and item number of the item you are looking for.

(2) Second. Turn to the figure and item number, verify that the item is the one you are looking for, then locate the item number in the parts list for the figure.

7. ABBREVIATIONS. Abbreviations used in this manual are listed in MIL-STD-12.

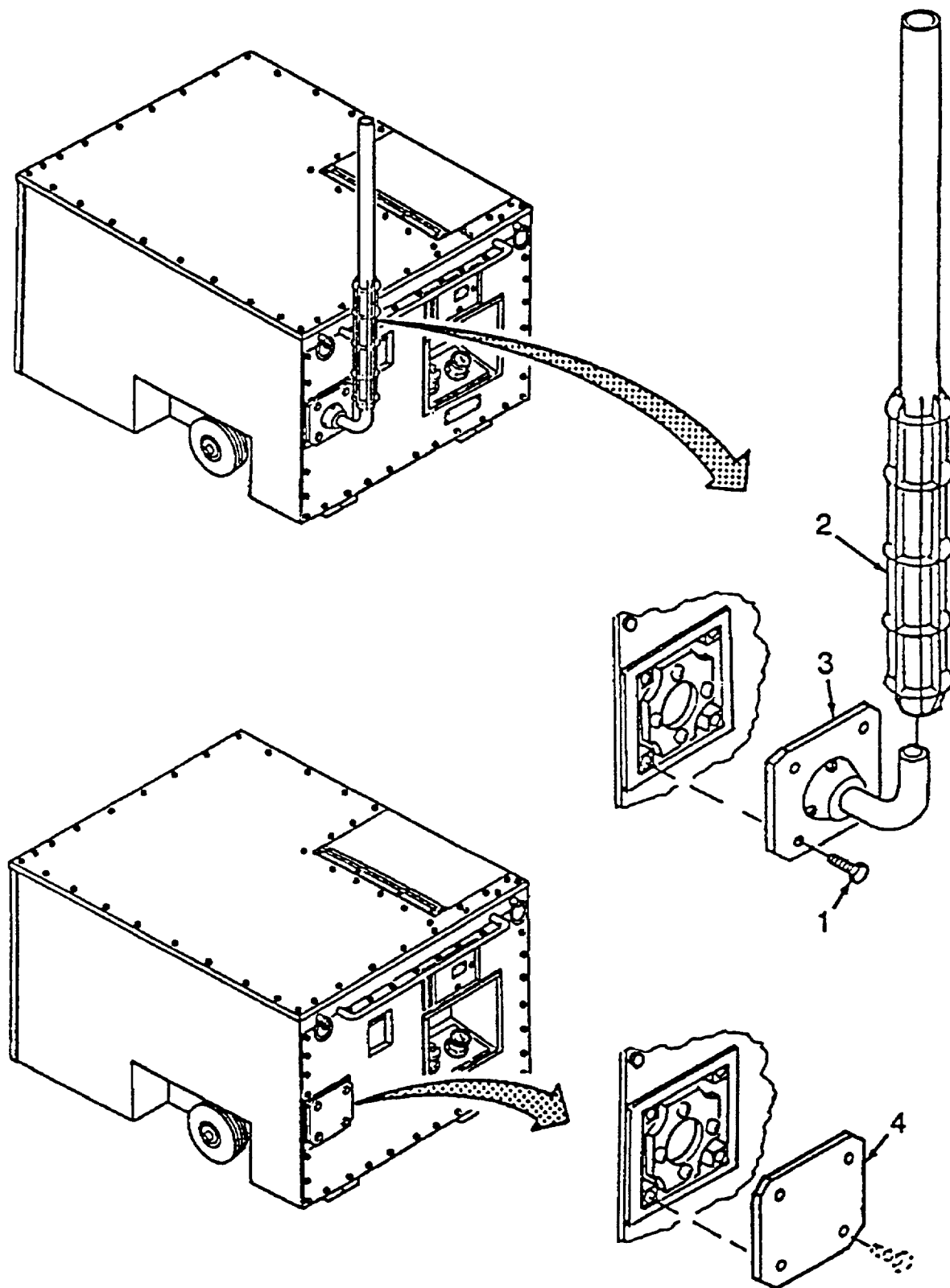


Figure 1. Exhaust Pipe and Elbow.