

**TECHNICAL MANUAL**

**UNIT MAINTENANCE  
REPAIR PARTS AND SPECIAL TOOLS LIST**

**LANDING CRAFT UTILITY**

**LCU 1667 THROUGH 1670**

**NSN 1905-00-168-5764**

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NO. 55-1905-219-20P-2

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DEPARTMENT OF THE ARMY  
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**TECHNICAL MANUAL**  
**Unit Maintenance**  
**Repair Parts and Special Tools List**  
**for**  
**LANDING CRAFT UTILITY**  
**LCU 1667 THROUGH 1670**  
**NSN 1905-00-168-5764**  
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The Table of Contents, Section I and IV are applicable to the -1 and -2 volumes.

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| Diesel Oil Piping .....                     | 404-1 | 404              |
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| Cable Assembly .....                        | 418-1 | 418              |
| Bracket Assembly .....                      | 419-1 | 419              |
| Penetration Assembly .....                  | 420-1 | 420              |
| Water Heater .....                          | 421-1 | 421              |
| Deck and Sanitary Drains.....               | 422-1 | 422              |
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| Window Wiper Assembly .....                  | 442-1 | 442              |
| Window Wiper Motor .....                     | 443-1 | 443              |
| Window Wiper Control .....                   | 444-1 | 444              |
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| Navigation Light - Starboard .....           | 446-1 | 446              |
| Navigation Light - Towing .....              | 447-1 | 447              |
| Navigation Light - Masthead .....            | 448-1 | 448              |
| Navigation Light - Stem Clear .....          | 449-1 | 449              |
| Signal Light - Task .....                    | 450-1 | 450              |
| Navigation Light - Anchor and Boom .....     | 451-1 | 451              |
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| Searchlight Shutter Assembly .....           | 457-1 | 457              |
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| Air Horn Assembly .....                      | 461-1 | 461              |
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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 Landing Craft Utility, LCU 1667 through 1670. 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 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. Bulk materials are listed in item name sequence. Repair parts kits are listed separately in their own functional group within Section II. Repair parts for repairable special tools are also listed in this section. Items are shown in 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 Basis 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 part 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:

| Source Code                 | Maintenance Code                                        | Recoverability Code                                        |
|-----------------------------|---------------------------------------------------------|------------------------------------------------------------|
| <u>XX</u> 1st two positions | <u>XX</u>                                               | <u>XX</u>                                                  |
| How you get an item         | 3rd position<br>Who can install replace or use the item | 4th position<br>Who can do complete repair* on the item    |
|                             |                                                         | Who determines disposition action on an unserviceable item |

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

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

| Code                                                                                                                                                               | Explanation                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PA<br>PB<br>PC**<br>PD<br>PE<br>PF<br>PG                                                                                                                           | <p>Stocked items; use the applicable NSN to requested/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.</p> <p>NOTE: Items coded PC are subject to deterioration.</p>                                                                                                                                             |
| KD<br>KF<br>KB                                                                                                                                                     | <p>Items with these codes are not to be requested/requisitioned individually. They are part of a kit which is authorized to the maintenance category indicated in the 3rd position of the SMR code. The complete kit must be requisitioned and applied.</p>                                                                                                                                                       |
| MO - (Made at org/AVUM Level)<br>MP - (Made at DS/AVUM Level)<br>MH - (Made at GS Level)<br>ML - (Made at Specialized                                              | <p>Items with these codes are not to be requested/requisitioned individually. They must be made from bulk material which is identified by the part number in the DESCRIPTION and USABLE ON CODE (UOC) column and listed in the Bulk Material group of the repair parts list in this RPSTL. If the item is authorized to you by the 3rd position code of the SMR</p>                                               |
| Repair Activity (SRA))<br>MD - (Made at Depot)                                                                                                                     | <p>code, but the source code indicates it is made at a higher level, order the item from the higher level of maintenance.</p>                                                                                                                                                                                                                                                                                     |
| AO - (Assembled by org/AVUM Level)<br>AF - (Assembled by DS/AVIM Level)<br>AH - (Assembled by GS Category)<br>AL - (Assembled by SRA)<br>AD - (Assembled by Depot) | <p>Items with these codes are not to be requested/requisitioned individually. The parts that make up the assembled item must be requisitioned or fabricated and assembled at the 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</p> |
| the higher level of maintenance.<br>XA -                                                                                                                           | <p>Do not requisition "XA"-coded item. Order its next higher assembly. (Also, refer to the NOTE below.)</p>                                                                                                                                                                                                                                                                                                       |
| XB - If an "XB" item is not available from salvage, order it using the CAGEC and part number given.                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                   |
| XC - Installation drawing, diagram, instruction sheet, field service drawing, that is identified by Reciprocating Compressor 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 one of the following levels of maintenance.

| <b>Code</b> | <b>Application/Explanation</b>                                                       |
|-------------|--------------------------------------------------------------------------------------|
| C -         | Crew or operator maintenance done with unit or aviation unit maintenance.            |
| O -         | Unit or aviation unit category can remove, replace, and use the item.                |
| F -         | Direct support or aviation intermediate level can remove, replace, and use the item. |
| H -         | General support level can remove, replace, and use the item.                         |
| L -         | Specialized repair activity can remove, replace, and use the item.                   |
| D -         | Depot level 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 capability to do complete repair (i.e., 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 Maintenance Allocation Chart (MAC) and SMR codes. This position will contain one of the following maintenance codes.

| <b>Code</b> | <b>Application/Explanation</b>                                                                                                                                                                          |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| O -         | Unit or (aviation unit) is the lowest level that can do complete repair of the item.                                                                                                                    |
| F -         | Direct support or aviation intermediate 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 -         | Nonreparable. No repair is authorized.                                                                                                                                                                  |
| B -         | No repair is authorized. (No parts or special tools are authorized for the maintenance of a "B" coded item). However, the item may be reconditioned by adjusting, lubricating, etc., at the user 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  
Codes**
**Application/Explanation**

- Z - Nonreparable item. When unserviceable, condemn and dispose of the item at the level of maintenance shown in 3d position of SMR Code.
- O - Reparable item. When not economically reparable, condemn and dispose of the item unit or aviation unit level
- F - Reparable item. When uneconomically reparable, condemn and dispose of the item at the direct support or aviation intermediate 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 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 (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, etc., that supplies the item.

d. PART NUMBER (Column (4)). Indicates the primary number used by the manufacturer, (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications standards, and inspection requirements to identify an item or range of items.

**NOTE**

When you use an NSN to requisition an item, the item you receive may have a different part number from the part ordered.

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

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

(2) The physical security classification of the item is indicated by the parenthetical entry, e.g., PhySec C1 - Confidential, PhySec C1 (S) - Secret, PhySec C1 (T) - Top Secret.

(3) Items that are included in kits and sets are listed below the name of the kit or set.

(4) Spare/repair parts that make up an assembled item are listed immediately following the assembled item line entry.

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

(6) When the item is not used with all serial numbers of the same model, the effective serial numbers are shown on the last line(s) of the description (before UOC).

(7) The usable on code, when applicable (see paragraph 5, Special Information).

(8) In the Special Tools List section, the basis of issue (BOI) appears as the last line(s) in the entry for each special tool, special TMDE, and other special support equipment. When density of equipments supported exceeds density spread indicated in the basis of issue, the total authorization is increased proportionately.

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

(10) The indenture, shown as dots appearing before the repair part, indicates that the item is a repair part of the next higher assembly.

f. QTY (Column (6)). 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 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 by National item identification number (NIIN) sequence. The NIIN consists of the last nine digits of the NSN, i.e.

|                         |
|-------------------------|
| NSN                     |
| <u>5305-01-574-1467</u> |
| NIIN                    |

When using this column to locate an item, ignore the first 4 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 by part number in ascending alpha-numeric 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, etc., 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 Sections II and III.

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

c. FIGURE AND ITEM NUMBER INDEX.

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

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

(3) STOCK NUMBER column. This column lists the 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, etc., that supplies the item.

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

5. SPECIAL INFORMATION.

a. USABLE ON CODE. The usable on code appears in the lower 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.

b. ASSOCIATED PUBLICATIONS. The publications listed below pertains to the Landing Craft Utility, LCU 1667 through 1670 and its components.

| <u>Publication</u>       | <u>Short Title</u>                                                                                |
|--------------------------|---------------------------------------------------------------------------------------------------|
| TM 55-1905-219-34P-1 & 2 | DS/GS Maintenance RPSTL, Landing Craft Utility, LCU 1667 through 1670                             |
| TM 55-1905-219-14        | Operator's, Organizational, DS/GS Maintenance Manual Landing Craft Utility, LCU 1667 through 1670 |

c. APPLICABILITY. Only illustrations containing unit level (crew and organizational) authorized items appear in this manual. Only those parts assigned the third position SMR maintenance code of "C" or "O" are shown in the tabular listing; therefore, there may be a break in the item number sequence. The illustrations in this manual are identical to those published in TM 55-1905-219-34P-2.

## 6. HOW TO LOCATE REPAIR PARTS.

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

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

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

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

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

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

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

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

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

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

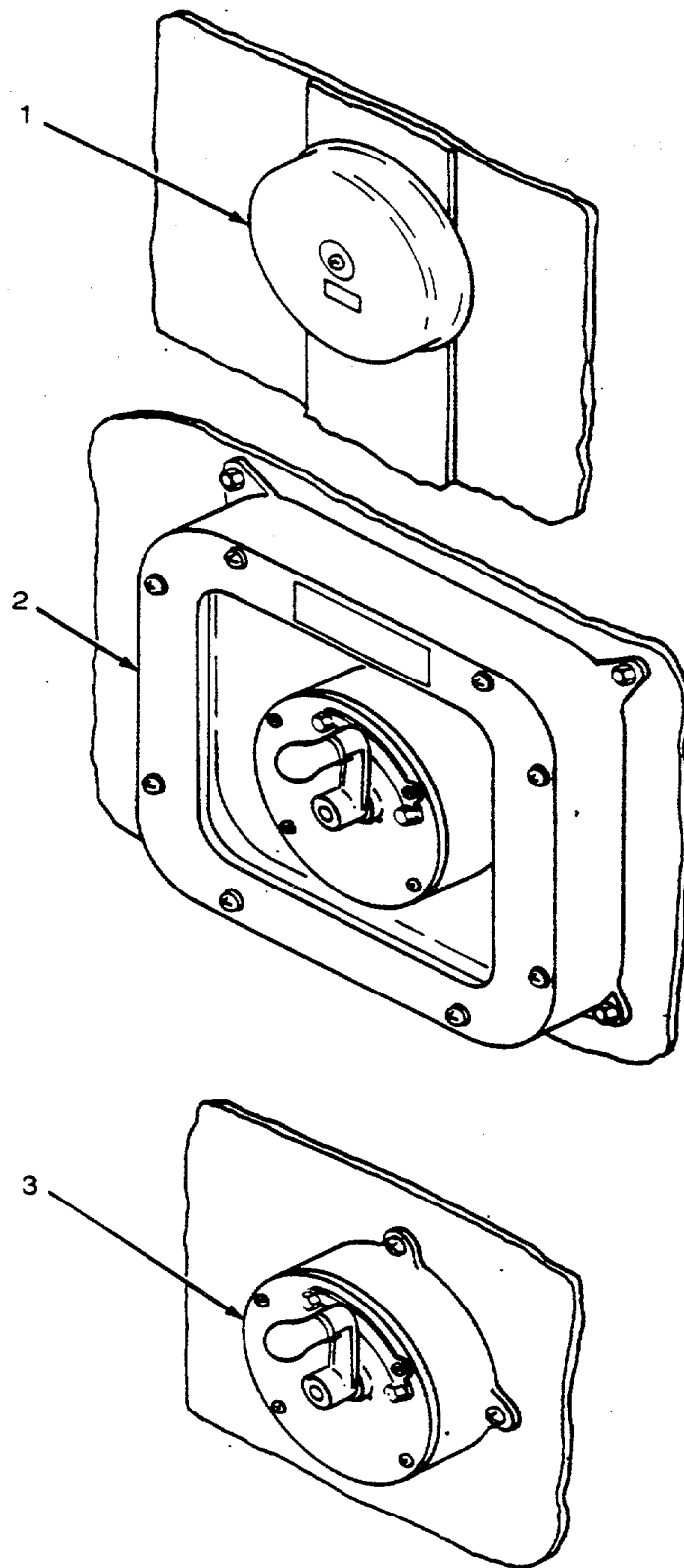


Figure 360. Fire Fighting Components

| SECTION II |      |       | TM 55-1905-219-20P-2 |                                       |     |
|------------|------|-------|----------------------|---------------------------------------|-----|
| (1)        | (2)  | (3)   | (4)                  | (5)                                   | (6) |
| ITEM       | SMR  |       | PART                 |                                       |     |
| NO         | CODE | CAGEC | NUMBER               | DESCRIPTION AND USABLE ON CODES (UOC) | QTY |

GROUP 14 FIREFIGHTING SYSTEM

FIG. 360 FIREFIGHTING COMPONENTS

|   |       |       |               |                                        |    |
|---|-------|-------|---------------|----------------------------------------|----|
| 1 | XDCZZ | 06859 | KB-511-24V    | BELL,VIBRATING 10 INCH,W/KB-8016 ..... | 12 |
|   |       |       |               | WEATHER PROOF BACK BOX .....           |    |
| 2 | XDCZZ | 28199 | 60-226-TYPE B | CONTACT MAKER GENERAL ALARM, .....     | 1  |
|   |       |       |               | ENCLOSED .....                         |    |
| 3 | XDCZZ | 28199 | 60-017,TYPE B | CONTACT MAKER GENERAL,ALARM .....      | 1  |

END OF FIGURE

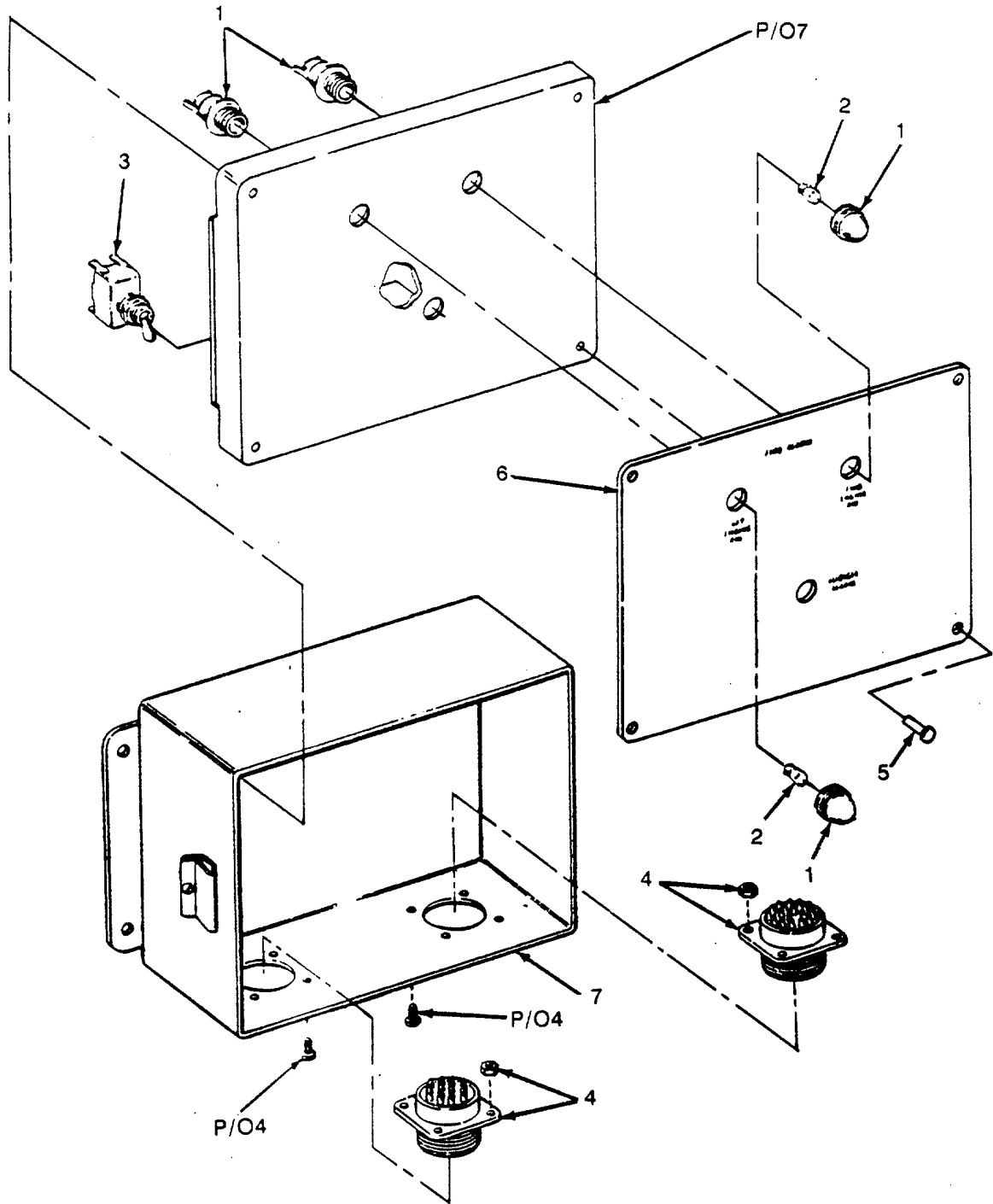


Figure 361. Halon Control Panel

SECTION II

TM 55-1905-219-20P-2

|      |      |       |        |                                       |     |
|------|------|-------|--------|---------------------------------------|-----|
| (1)  | (2)  | (3)   | (4)    | (5)                                   | (6) |
| ITEM | SMR  |       | PART   |                                       |     |
| NO   | CODE | CAGEC | NUMBER | DESCRIPTION AND USABLE ON CODES (UOC) | QTY |

GROUP 14 FIREFIGHTING SYSTEM

FIG. 361 HALON CONTROL PANEL

|   |       |       |          |                                   |   |
|---|-------|-------|----------|-----------------------------------|---|
| 2 | PACZZ | 71744 | 376-AS15 | LAMP,INCANDESCENT INDICATOR ..... | 2 |
|---|-------|-------|----------|-----------------------------------|---|

END OF FIGURE

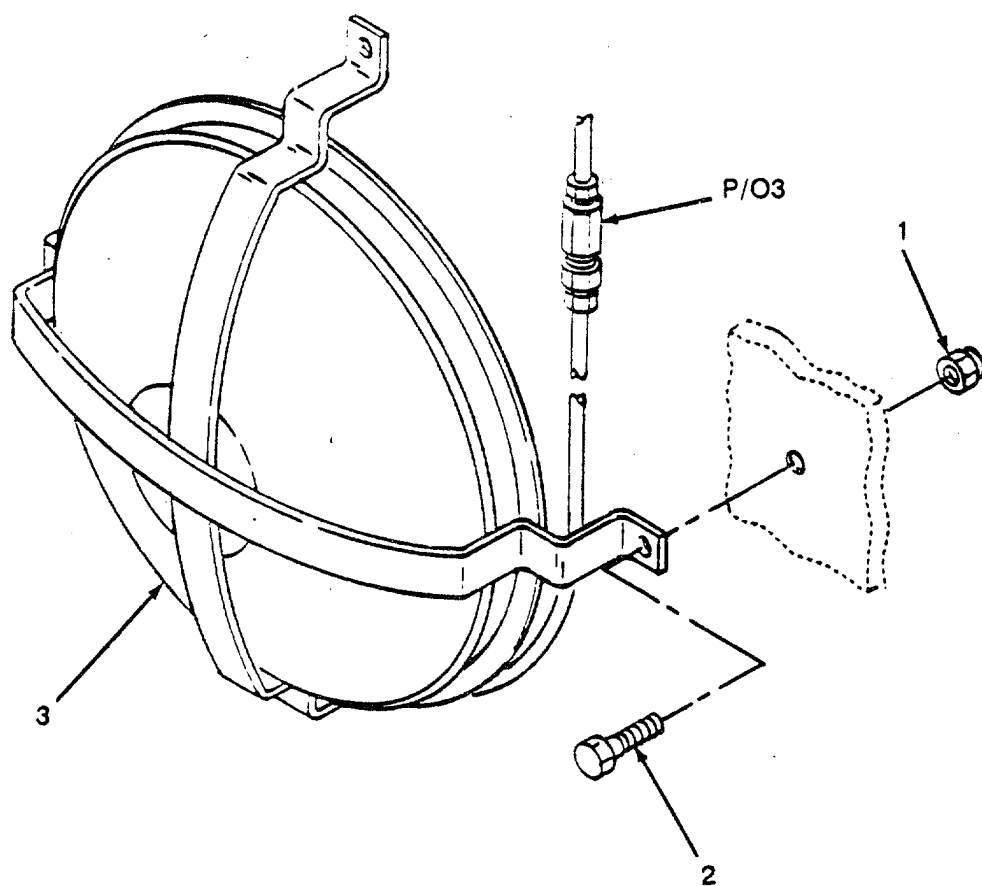


Figure 362. Pneumatic Heat Detector

SECTION II

TM 55-1905-219-20P-2

|      |      |       |        |                                       |     |
|------|------|-------|--------|---------------------------------------|-----|
| (1)  | (2)  | (3)   | (4)    | (5)                                   | (6) |
| ITEM | SMR  |       | PART   |                                       |     |
| NO   | CODE | CAGEC | NUMBER | DESCRIPTION AND USABLE ON CODES (UOC) | QTY |

GROUP 14 FIREFIGHTING SYSTEM

FIG. 362 PNEUMATIC HEAT DETECTOR

|   |       |       |        |                                                          |   |
|---|-------|-------|--------|----------------------------------------------------------|---|
| 3 | PACZZ | 62142 | 841241 | ACTUATOR,AUTOMATIC PNEUMATIC HEAT.....<br>DETECTOR ..... | 5 |
|---|-------|-------|--------|----------------------------------------------------------|---|

END OF FIGURE

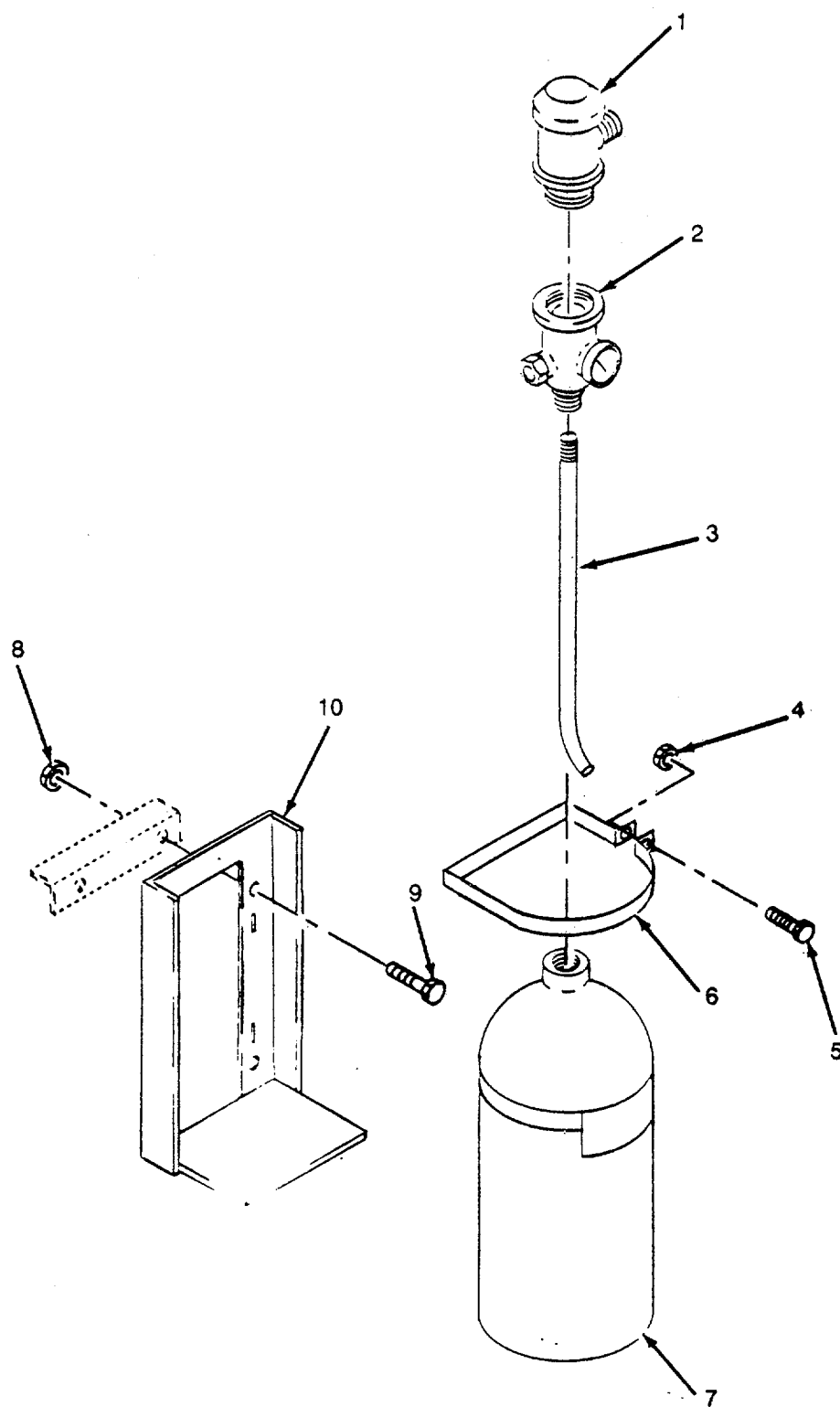


Figure 363. Cylinder Assembly, 1301, 40 Pound