**TECHNICAL MANUAL**

# ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST

**LANDING CRAFT UTILITY**
**LCU 1671 THROUGH 1679**
**NSN 1905-01-009-1056**

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***This manual together with TM 55-1905-220-20P-1, supersedes TM 55-1905-220-20P-1, 26 November 1984 and TM 55-1905-220-20P-2, 26 November 1984.**

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**HEADQUARTERS, DEPARTMENT OF THE ARMY**
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NO. 55-1905-220-20P-2

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 30 November 1993

TECHNICAL MANUAL
Organizational Maintenance
Repair Parts and Special Tools List

**LANDING CRAFT UTILITY**
**LCU 1671 THROUGH 1679**
**NSN 1905-01-009-1056**
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This manual is printed in two volumes as follows:

TM 55-1905-220-20P-1, consisting of Table of Contents, Section I and Section II (Functional Groups 01 through 11).

TM 55-1905-220-20P-2, consisting of Table of Contents, Section I, Section II (Functional Groups 12 through 24), Section III, and Section IV.

The Table of Contents, Section III, and Section IV are applicable to the -1 and -2 volumes.

**REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS**

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# ORGANIZATIONAL 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 organizational and general support maintenance of the Landing Craft Utility, LCU 1671 through LCU 1679. 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. Items are shown in the associated illustration(s)/figure(s).

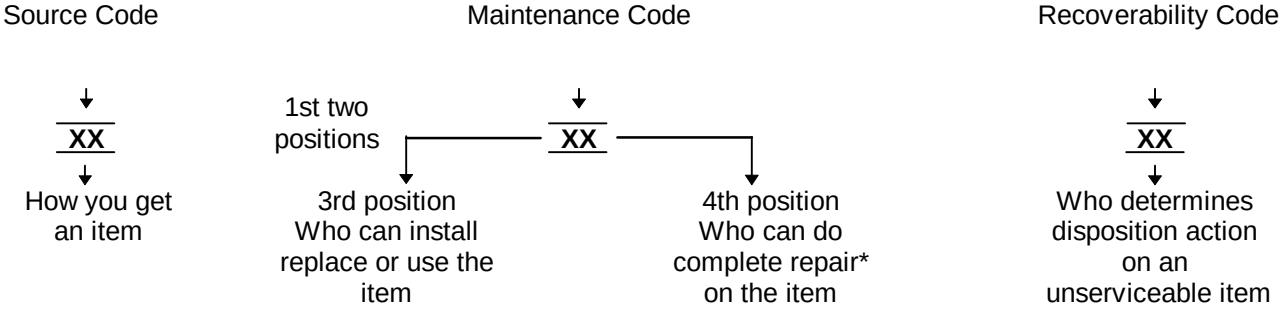
b. Section III. Special Tools List. A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE column) for the performance of maintenance.

c. Section IV. Cross-Reference Index. 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 numbers 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:




* 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:

| 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 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. |
| MO - (Made at Unit/AVUM Level)<br>MF - (Made at DS/AVUM Level)<br>MH - (Made at GS Level)<br>ML - (Made at Specialized Repair Activity (SRA))<br>MD - (Made at Depot) | Items with these codes are not to be requested/requisitioned individually. They must be made from bulk material which is identified by the part number in the DESCRIPTION and USABLE ON CODE (UOC) column and listed in the Bulk Material group of the repair parts list in this 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)<br>AF - (Assembled by DS/AVIM Level)<br>AH - (Assembled by GS Category)<br>AL - (Assembled by SRA)<br>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 "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 part 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 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 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 an item at a lower level of maintenance, if authorized by the Maintenance Allocation Chart 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 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 at unit or AVUM level. |
| F- | Reparable item. When uneconomically reparable, condemn and dispose of the item at-the direct support or AVIM 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/activity 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 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 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 Section II and Section III.

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 instead of a quantity indicates that the quantity is variable and 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, i.e.

**NSN**
5305-01-574-1467
**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. The item number is that number assigned to the item. at 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 Section 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/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.

5. SPECIAL INFORMATION.

a. ASSOCIATED PUBLICATIONS. The publications listed below pertain to the Landing Craft Utility LCU 1671 thru 1679 and its components.

| Publication | Short Title |
|---|---|
| TM 55-1905-220-34P-1 and 34P-2 | DS and GS Maintenance RPSTL LCU 1671 thru 1679 |
| TM 55-1905-220-14-1 thru -12 | Operator, Organizational, DS and GS Maintenance Manuals |
| LO 55-1905-220-12 | Lubrication Order, LCU 1671-1679 |

b. ILLUSTRATIONS LISTING. The illustrations in this RPSTL, containing parts authorized at unit level, are identical to those published in TM 55-1905-220-34P-2. Only those parts codes "C" or "O" in the third position of the SMR Code are listed in the tabular listing; therefore, there may be a break in the item number sequence and there will be a break in the figure number sequence. Only illustrations containing Unit or AVUM in Section II 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 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 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 of 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 paragraph 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 repair parts list for the figure.

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

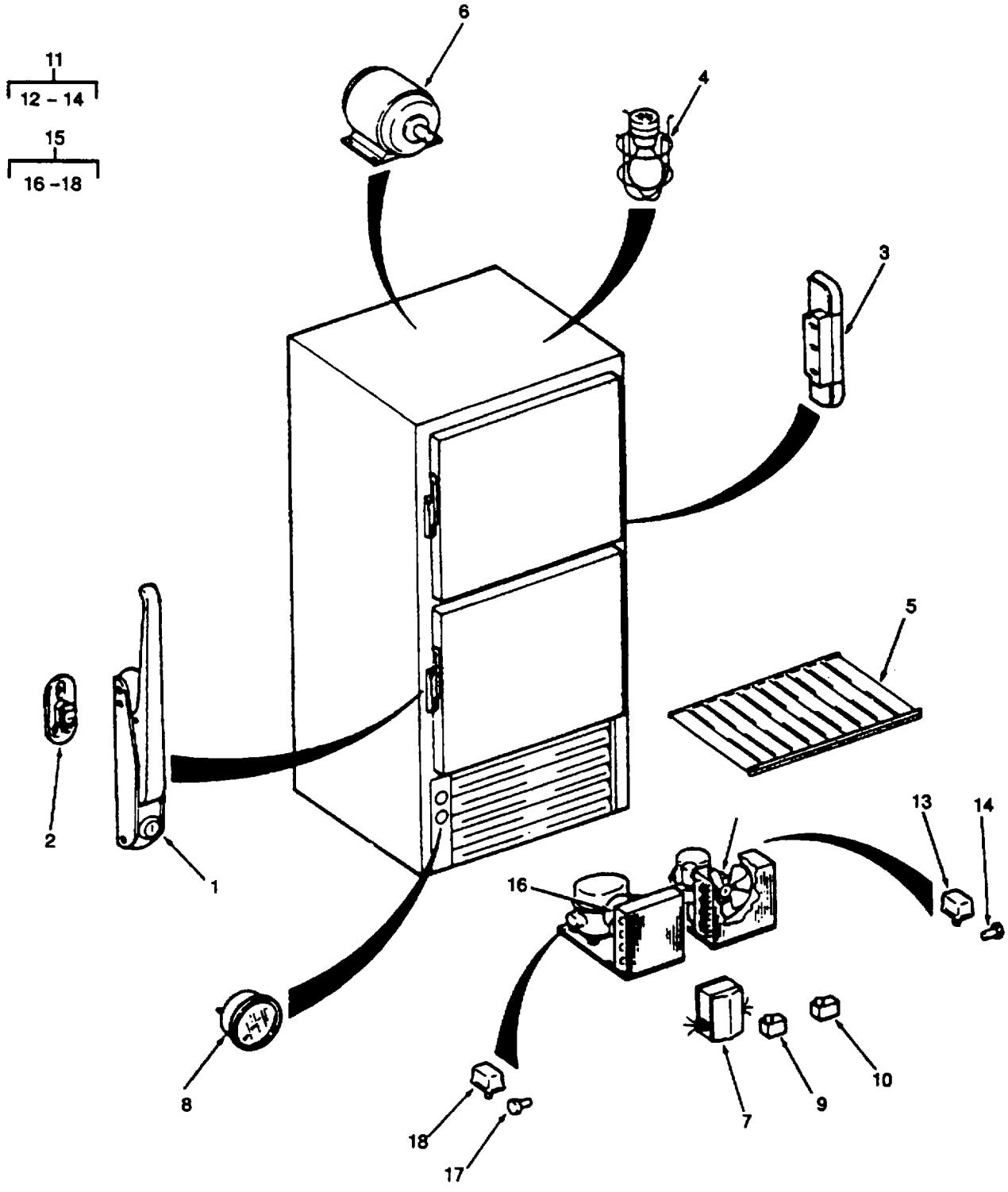



*Figure 408. Refrigerator-Freezer*

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|---|---|---|---|---|---|
| | | | | **GROUP 12 COMMISSARY SPACE EQUIPMENT** | |
| | | | | **FIG. 408 REFRIGERATOR-FREEZER** | |
| | XDCHH | 89729 | MLH-10-1OAD-U | REFRIGERATOR-FREEZE REFRIGERATOR-FREEZER 9.3 CUBIC FT CAPACITY | 1 |
| 1 | XDCZZ | 42689 | 59-1105 | HANDLE DOOR REFRIGERATOR AND FREEZER | 2 |
| 2 | XDCZZ | 42689 | 59-1106 | STRIKE DOOR REFRIGERATOR AND FREEZER | 2 |
| 3 | XDCZZ | 42689 | 7821-L | HINGE REFRIGERATOR AND FREEZER | 2 |
| 4 | XDCZZ | 89729 | B-26-3063-8 | LIGHT WITH GUARD | 2 |
| 5 | XDCZZ | 89729 | B-26-3063-3 | SHELF ALUMINUM SLATTED | 4 |
| 6 | PACZZ | 89729 | RIOCW68 | MOTOR,ALTERNATING C FAN REFRIGERATOR/FREEZER | 2 |
| 7 | PACZZ | 45605 | 8045-0 | TIMER,SEQUENTIAL FREEZER | 1 |
| 9 | XDCZZ | 49742 | 010-2064 | SWITCH,THERMOSTATIC REFRIGERATOR | 1 |
| 10 | XDCZZ | 49742 | 010-1408 | SWITCH,THERMOSTATIC | 1 |
| 11 | XDCZZ | 59431 | AT43L | CONDENSING UNIT FREEZER LOW TEMPERATURE 1/4HP 115V 60HZ SINGLE PHASE | 1 |
| 12 | PACZZ | 25795 | 3M285 | MOTOR,ALTERNATING C FREEZER | 1 |
| 13 | PACZZ | 59431 | 82403 | RELAY,ELECTROMAGNET | 1 |
| 14 | PACZZ | 59431 | 83426 | PROTECTOR,THERMAL | 1 |
| 15 | XDCZZ | 59431 | AE3440AA | CONDENSING UNIT 1/4 HP 115 VOLT 60 HERTZ SINGLE PHASE PHASE | 1 |
| 16 | PACZZ | 59431 | 810G006A13 | MOTOR,ALTERNATING REFRIGERATOR | 1 |
| 17 | PACZZ | 59431 | 83458 | RELAY,ELECTROMAGNET REFRIGERATOR | 1 |
| 18 | PACZZ | 59431 | 82684 | RELAY,ELECTROMAGNET | 1 |
| | | | | END OF FIGURE | |

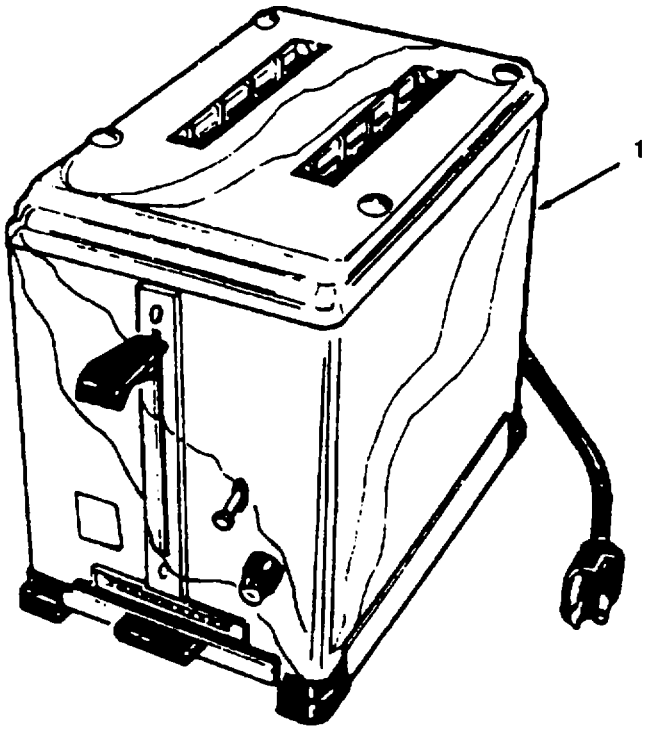



*Figure 409. Toaster.*

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|---|---|---|---|---|---|
| | | | | **GROUP 12 COMMISSARY SPACE EQUIPMENT** | |
| | | | | **FIG. 409 TOASTER** | |
| 1 | PACZZ | 81348 | W-T-550 | TOASTER, ELECTRIC ..... | 1 |
| | | | | END OF FIGURE | |

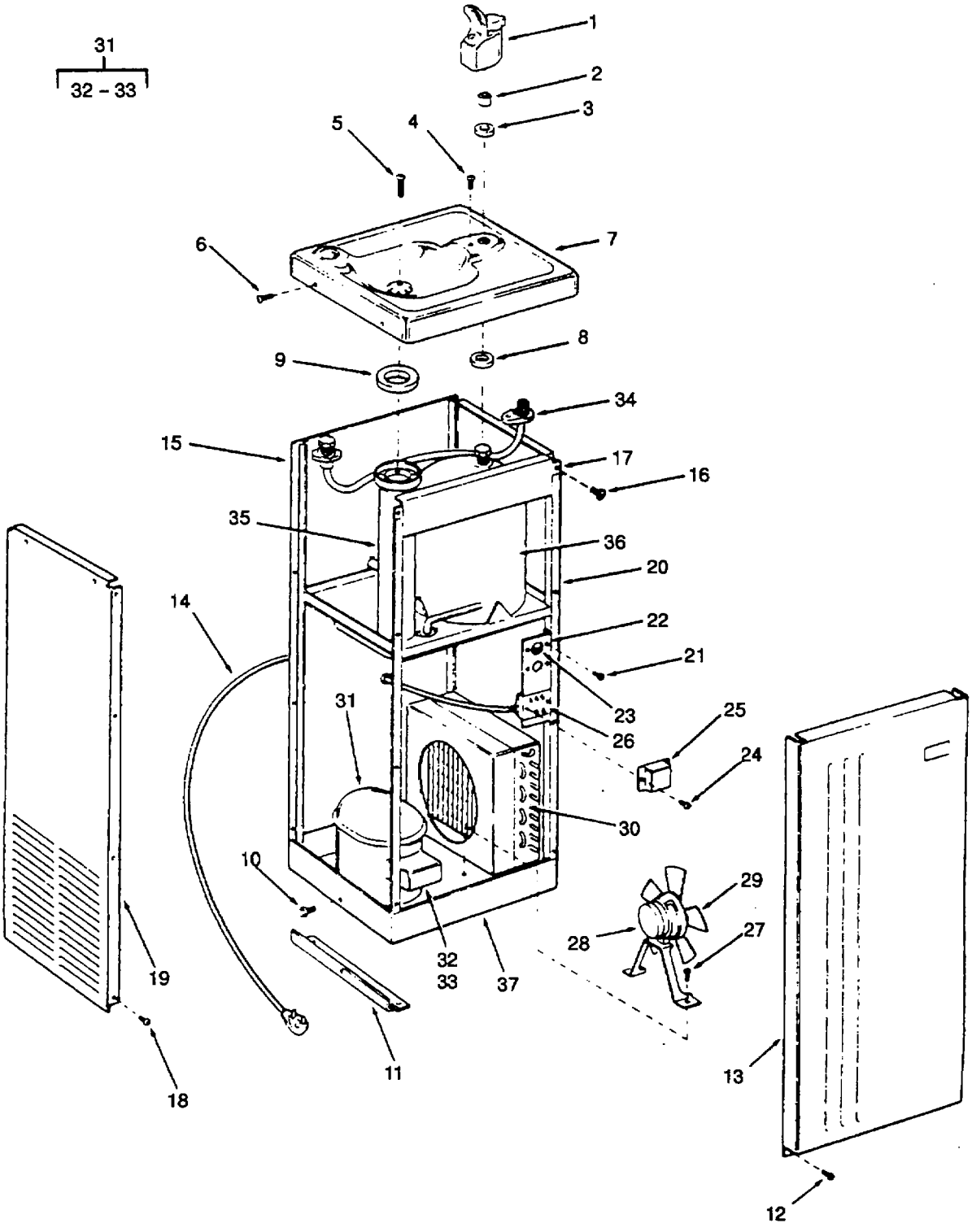



*Figure 410. Drinking Fountain.*