

TECHNICAL MANUAL

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

**BARGE, DECK OR LIQUID CARGO, NON-
PROPELLED, STEEL, 120 FEET, DESIGN 231B
NSN 1930-00-375-2972**

Approved for public release; Distribution is unlimited

***This manual supersedes TM 55-1930-202-24P, 13 June 1984 including all changes**

**HEADQUARTERS, DEPARTMENT OF THE ARMY
10 JANUARY 1991**

TECHNICAL MANUAL
NO. 55-1930-202-24P

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D.C., 10 January 1991

Unit, Direct Support and General Support Maintenance
Repair Parts and Special Tools List

**BARGE, DECK OR LIQUID CARGO, NON-
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231 B, NSN 1930-00-375-2972**

Current as of 14 November 1990

Approved for public release; Distribution is unlimited.

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 directly to: US Army Troop Support Command, ATTN: AMSTR-MMTS, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. A reply will be furnished to you.

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*This manual supersedes TM 55-1930-202-24P, June 1984, including all changes

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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 Liquid Cargo Barge, Design 231 B. 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. The 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 listed are shown on the associated illustration(s)/figure(s).

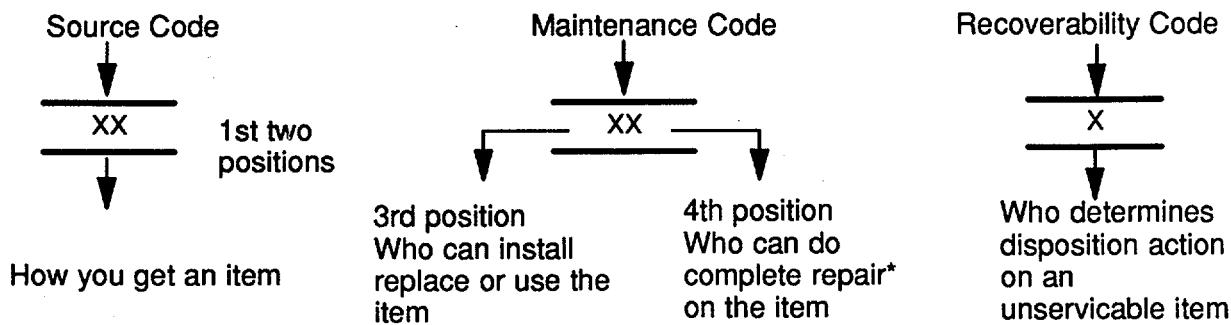
b. Section III. Special Tools List. A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE column) for the performance of maintenance.

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:



*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 | 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. |
| PB | |
| PC** | |
| PD | |
| PE | |
| PF | |
| PG | |
| **NOTE: Items coded PC are subject to deterioration. | |
| KD | 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. |
| KF | |
| KB | |
| KD KF KB } | |
| MO - (Made at org AVUM Level) | 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 |
| MF - (Made at DS/AVUM Level) | |
| MH - (Made at GS Level) | |
| ML - (Made at Specialized Repair Activity (SRA)). | |
| MD - (Made at Depot) | |

| Code | Explanation |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AO— Assembled by org/AVUM, Level) | 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. |
| AF— (Assembled by DS/AVIM | |
| AH— (Assembled by DSIAVIM | |
| AL— (Assembled by GS | |
| AD— (Assembled by)GS Category) | |
| AL— Assembled by SRA) | |
| AD— Assembled by Depot) | |



| Code | Explanation |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| XA— Do not requisition "XA" -coded item. Order its next higher assembly. (Also, 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 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 tells 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.

| Code | Application/Explanation |
|------|---------------------------------------------------------------------------------------|
| C - | Crew or operator maintenance done within organizational or aviation unit maintenance. |
| O - | Organizational 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.

| Code | Application/Explanation |
|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| O — | Organizational 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 repairable, condemn and dispose of the item at organizational or aviation unit level |
| F — | Reparable item. When uneconomically repairable, condemn and dispose of the item at the direct support or aviation intermediate level |
| H — | Reparable item. When uneconomically repairable, 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., Phy Sec C1 Confidential, Phy Sec C1 (S) - Secret, Phy Sec 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 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, 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 Liquid Cargo Barge, Design 231 B and its components.

| Publication | Short Title |
|---------------------|-------------------------------------------------------|
| TM 55-1930-202-24 | Maintenance Manual, Liquid Cargo Barge, Design 231B |
| TM 5-2815-235-24 | Maintenance Manual, Detroit Diesel In-Line 71 Engines |
| TM 5-2815-235-24P | Parts Manual, Detroit Diesel In-Line 71 Engines |
| TM 5-4330-234-13&P | Maintenance and Parts, Filter/Separator, Liquid Fuel |
| TM 55-2090-201-14&P | Maintenance and Parts, Oil-Water Separator |

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. Additional abbreviations used in this manual are listed in MIL-STD-12.

| Abbreviations | Explanation | Abbreviations | Explanation |
|----------------------|--------------------|----------------------|---------------------|
| ASB | Asbestos | MACH | Machine |
| ASM | Assemble | MOD | Model |
| BLK | Black | MTG | Mounting |
| BRNZ | Bronze | NR | Number |
| BRTHR | Breather | O.S. | Otherwise Specified |
| BULKHD | Bulkhead | PKG | Package |
| CE | Commutator End | PLD | Plated |
| CYL | Cylinder | RECT | Rectifier |
| DE | Driver End | REL | Relative |
| DEV. L. | Developed Length | SCHED | Schedule |
| EXT | External | SL | Sea Level |
| FLGD | Flanged | SRE | Stator Rotor End |
| HD | Head | TERM | Terminal |
| HSE | Housing | THD | Threaded |
| INSUL | Insulation | WTR | Water |

1
2 THRU 7'

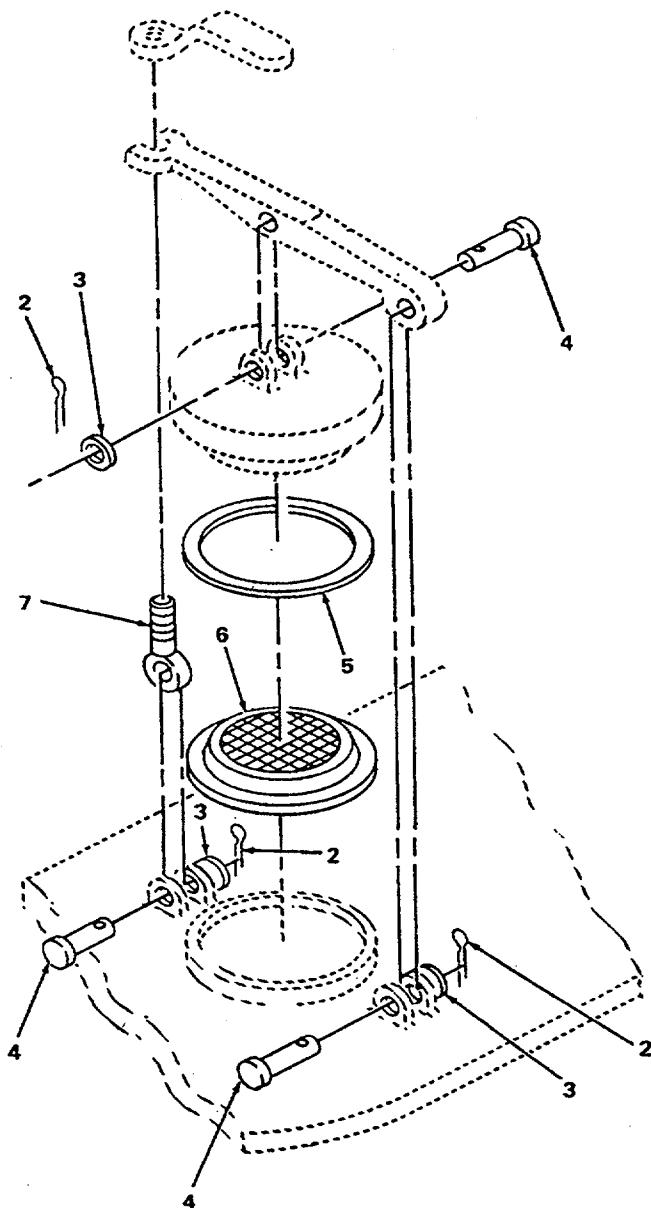
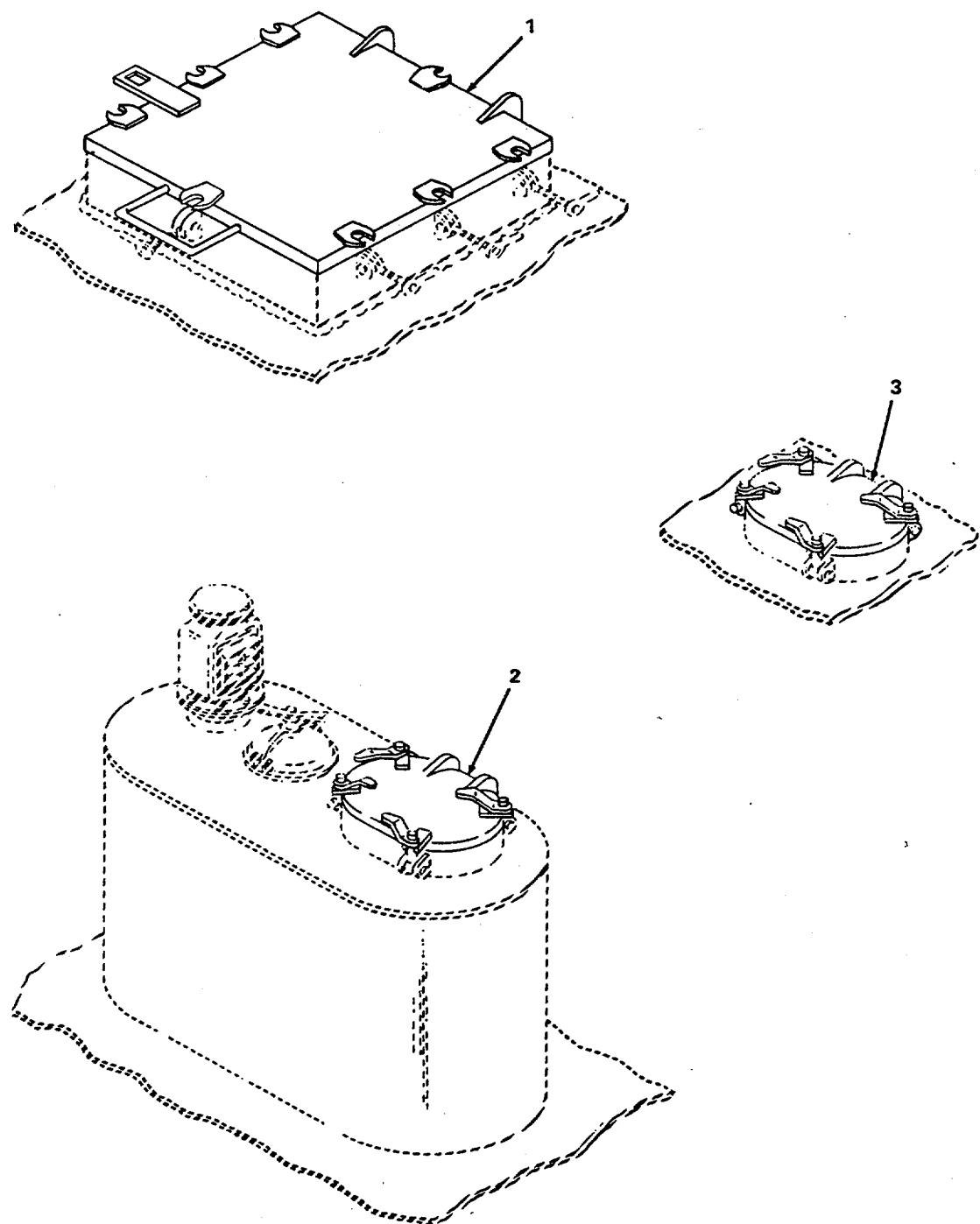


Figure 1. Ullage.

Figure 1. Ullage.

| (1) ITEM NO | (2) SMR CODE | (3) CAGE C | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES (UOC) | (6) QTY |
|-------------------|--------------------|---------------|-----------------------|---------------------------------------------------|------------|
| GROUP 01 HULL | | | | | |
| FIG. 1 ULLAGE | | | | | |
| 1 | XDCFF | 97403 | 231B-7/2 | ULLAGE PLATE ASSY | 1 |
| 2 | PAFZZ | 96906 | MS9245-31 | .PIN,COTTER 1 1/4 IN L X 3/16 DIA | 3 |
| 3 | PAFZZ | 96906 | MS15795-818 | .WASHER,FLAT 5/8 IN STEEL | 3 |
| 4 | PAFZZ | 96906 | MS20392-4C41 | .PIN,STRAIGHT,HEADED 5/8 IN X 1 5/8 IN LONG | 3 |
| 5 | XDFZZ | 97403 | MILG23652 | .GASKET,NEOPRENE 9 IN ID X 1/4 IN X 3/4 IN | 1 |
| 6 | XDFZZ | 25547 | U2503 | .SCREEN,ULLAGE,30 X 30 MESH,BRNCE, 8 3/4 IN OD | 1 |
| 7 | XDFZZ | 96906 | MS27950-24 | .BOLT,EYE ,3/4 IN X 6 IN L | 1 |

END OF FIGURE



4791-002

Figure 2. Hatches.

| (1) ITEM NO | (2) SMR CODE | (3) CAGE C | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES (UOC) | (6) QTY |
|-------------------|--------------------|---------------|-----------------------|-------------------------------------------------------------------------------|------------|
| GROUP 01 HULL | | | | | |
| FIG. 2 HATCHES | | | | | |
| 1 | XDCFF | 05370 | M13D | HATCH COVER,PUMP RO 30 IN X 36 IN, 8 DOG | 1 |
| 2 | XDCFF | 05370 | M13D | HATCH COVER,FUEL TA 4 DOG 25 1/2 IN X 17 1/2 IN | 1 |
| 3 | XDCFF | 05370 | M13D | HATCH COVER,FWD HOL WATERTIGHT, 4 DOG, LOCKING (FOR 15 IN X 23 IN MANHOLE) | 1 |

END OF FIGURE

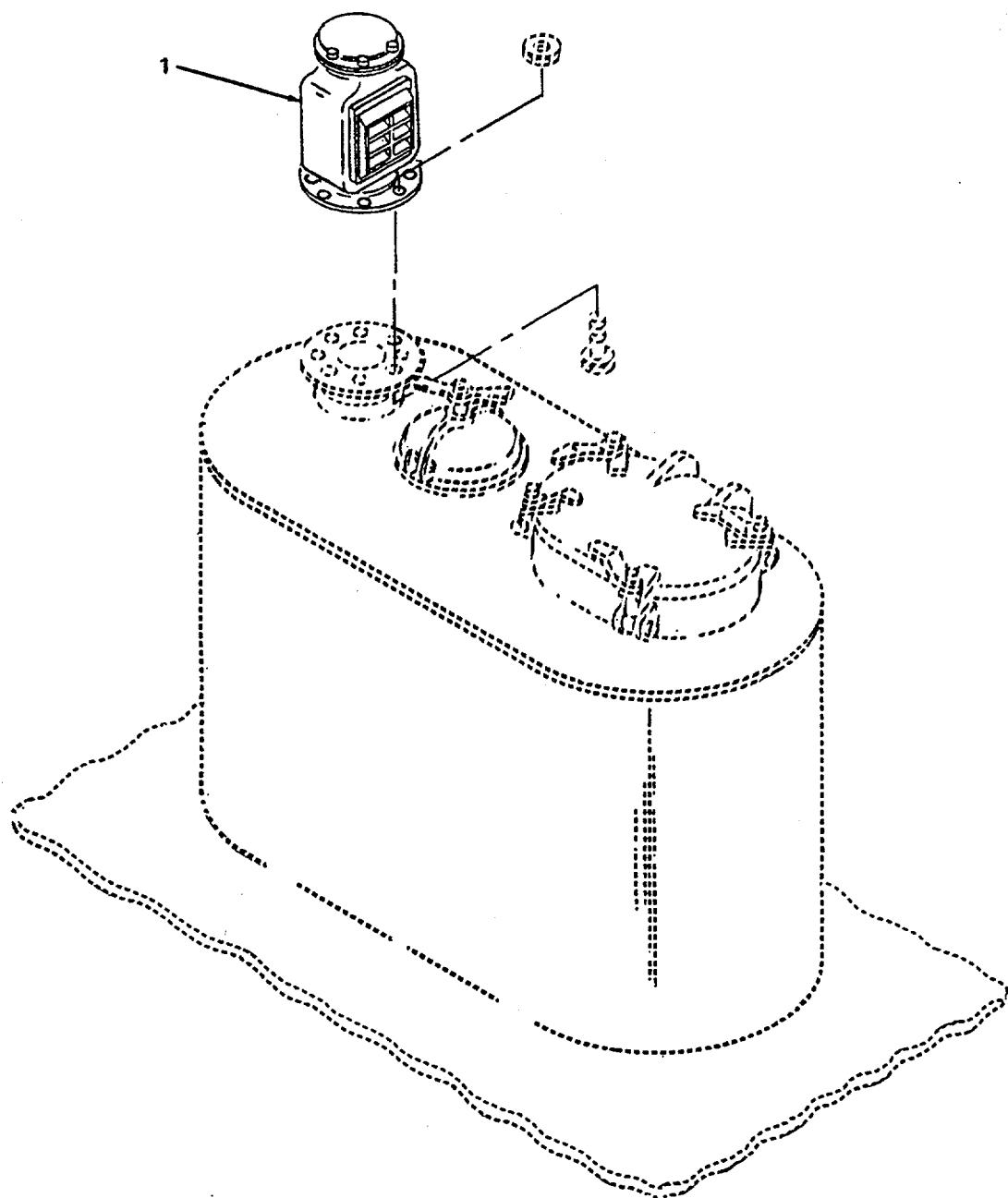


Figure 3. Pressure Relief Valve.

| SECTION II | | | | | |
|-----------------------|--------------------|---------------|-----------------------|----------------------------------------------|------------|
| (1) ITEM NO | (2) SMR CODE | (3) CAGE C | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES (UOC) | (6) QTY |
| GROUP 01 HULL | | | | | |
| FIG. 3 PRESSURE VALVE | | | | | |
| 1 | XDFFF | 73124 | IF4-P3 | VALVE, PRESSURE REL1 | 1 |

END OF FIGURE

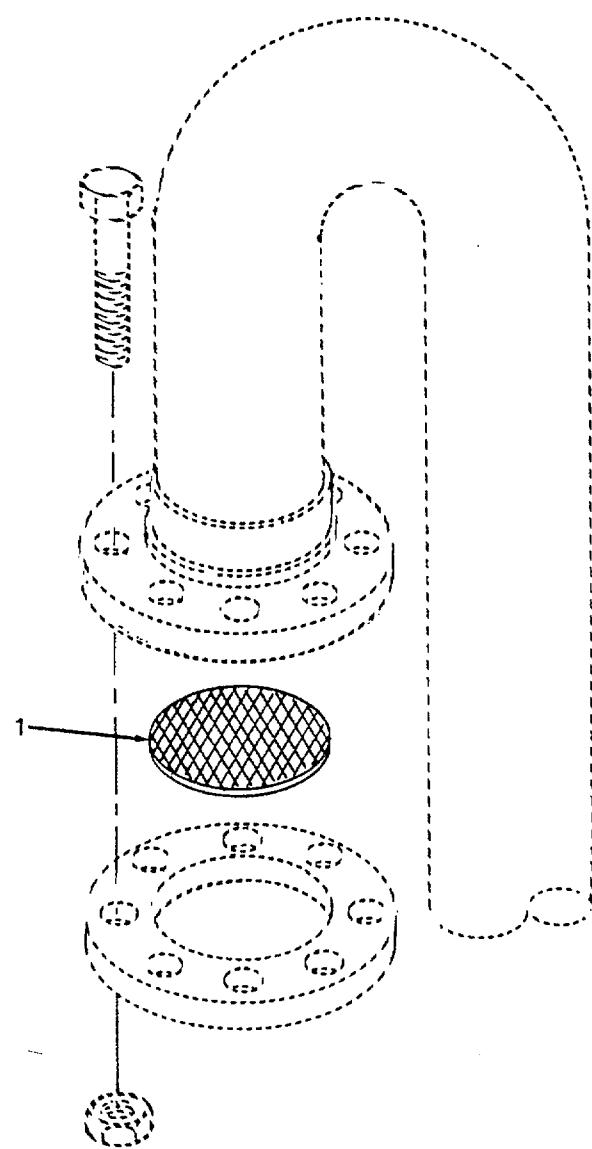


Figure 4. Flame Screen.

SECTION II

| (1) ITEM NO | (2) SMR CODE | (3) CAGE C | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES (UOC) | (6) QTY |
|---------------------|--------------------|---------------|-----------------------|----------------------------------------------|---------------|
| GROUP 01 HULL | | | | | |
| FIG. 4 FLAME SCREEN | | | | | |
| 1 | XDCZZ | 25547 | U2506F | SCREEN, FLAME, VENTIL COPPER | 30-MESH 30 GA |
| 1 | | | | | |

END OF FIGURE

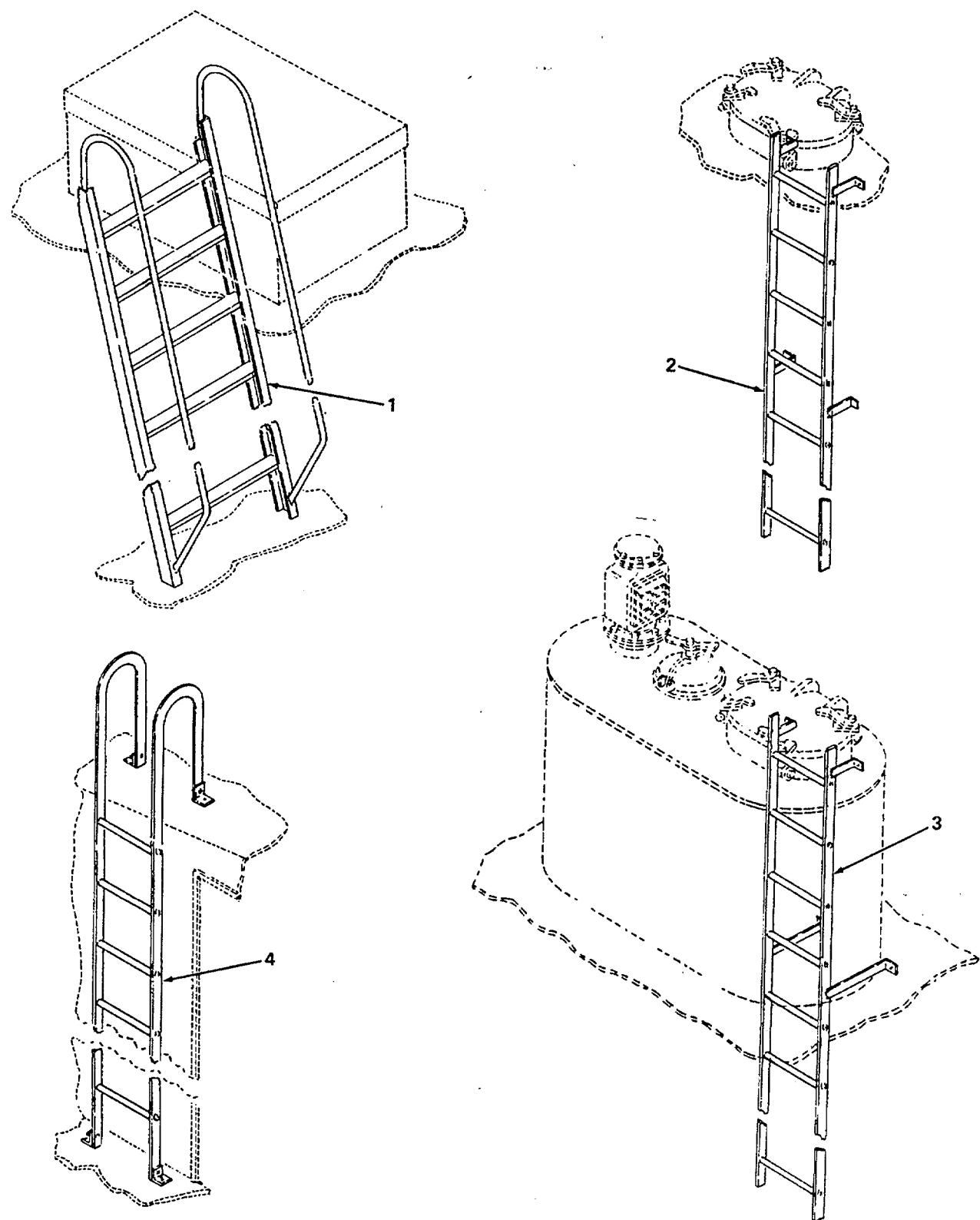


Figure 5. Ladders.

| SECTION II | | | | (5) | (6) |
|-------------------|--------------------|---------------|-----------------------|---------------------------------------------------------|-----|
| (1) ITEM NO | (2) SMR CODE | (3) CAGE C | (4) PART NUMBER | DESCRIPTION AND USABLE ON CODES (UOC) | QTY |
| GROUP 01 HULL | | | | | |
| FIG. 5 LADDERS | | | | | |
| 1 | XDFZZ | 81996 | 198869-2 | .LADDER 1..... | 1 |
| 2 | XDFZZ | 81996 | 198869-1 | LADDER LADDER FOR ACCESS TO STORAGE HATCHES..... | 1 |
| 3 | XDFZZ | 81996 | 193537-29 | .LADDER..... | 1 |
| 4 | XDFZZ | 81996 | S1112 1300393 | .LADDER LADDER TO ACCESS TOP OF MACHINERY HOUSE..... | 1 |

END OF FIGURE

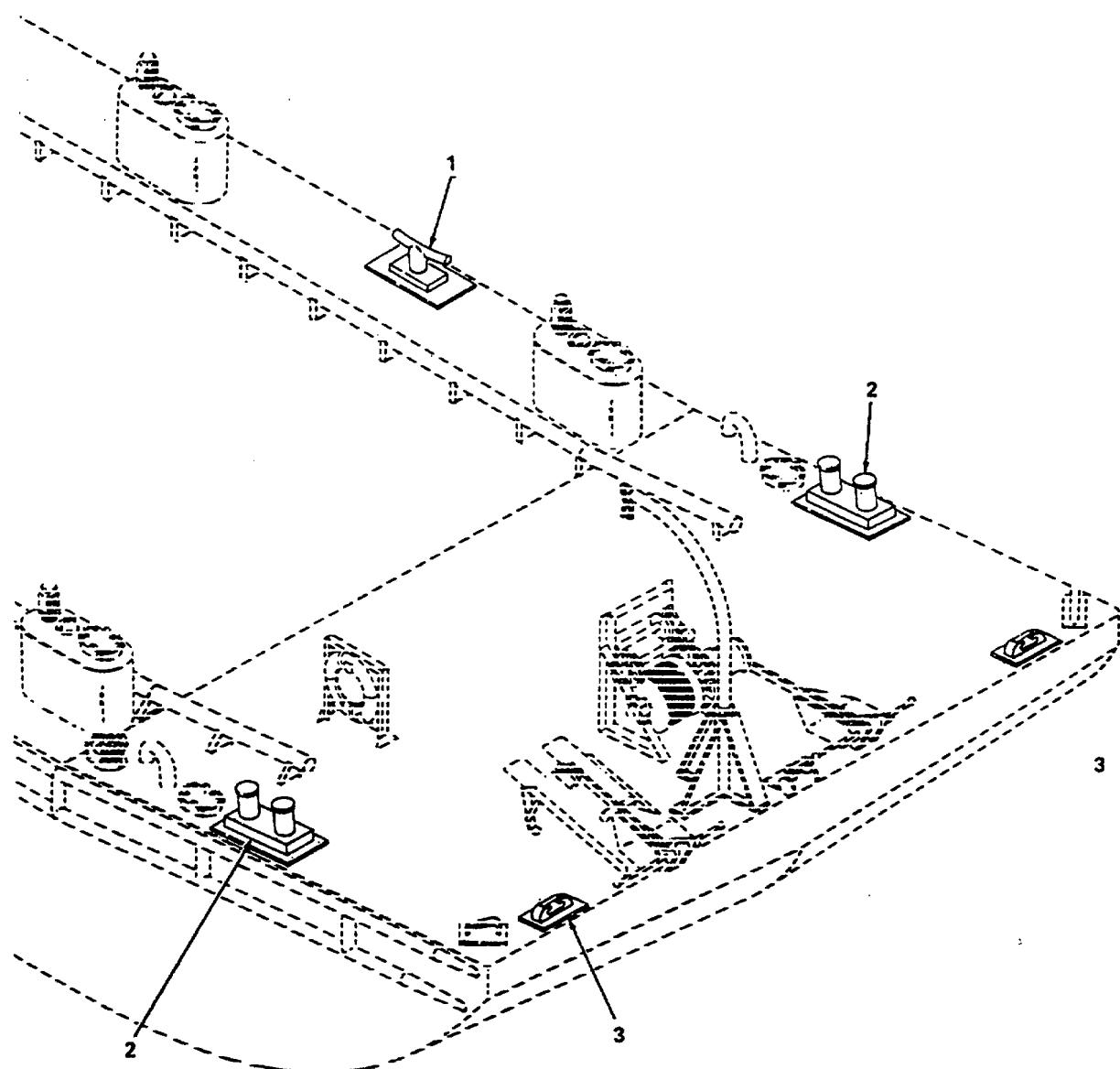


Figure 6. Cleats and Bitts.

SECTION II

| (1) ITEM NO | (2) SMR CODE | (3) CAGE C | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES (UOC) | (6) QTY |
|-------------------------|--------------------|---------------|-----------------------|----------------------------------------------|------------|
| GROUP 01 HULL | | | | | |
| FIG. 6 CLEATS AND BITTS | | | | | |
| 1 | XDHZZ | 97403 | 13205E6221-2 | CLEAT, DECK, WITHOUT..... | 1 |
| 2 | XDHZZ | 97403 | H768-92 | BITT, MOORING..... | 1 |
| 3 | XDHZZ | 97403 | H772 | CHOCK, OPEN..... | 2 |

END OF FIGURE

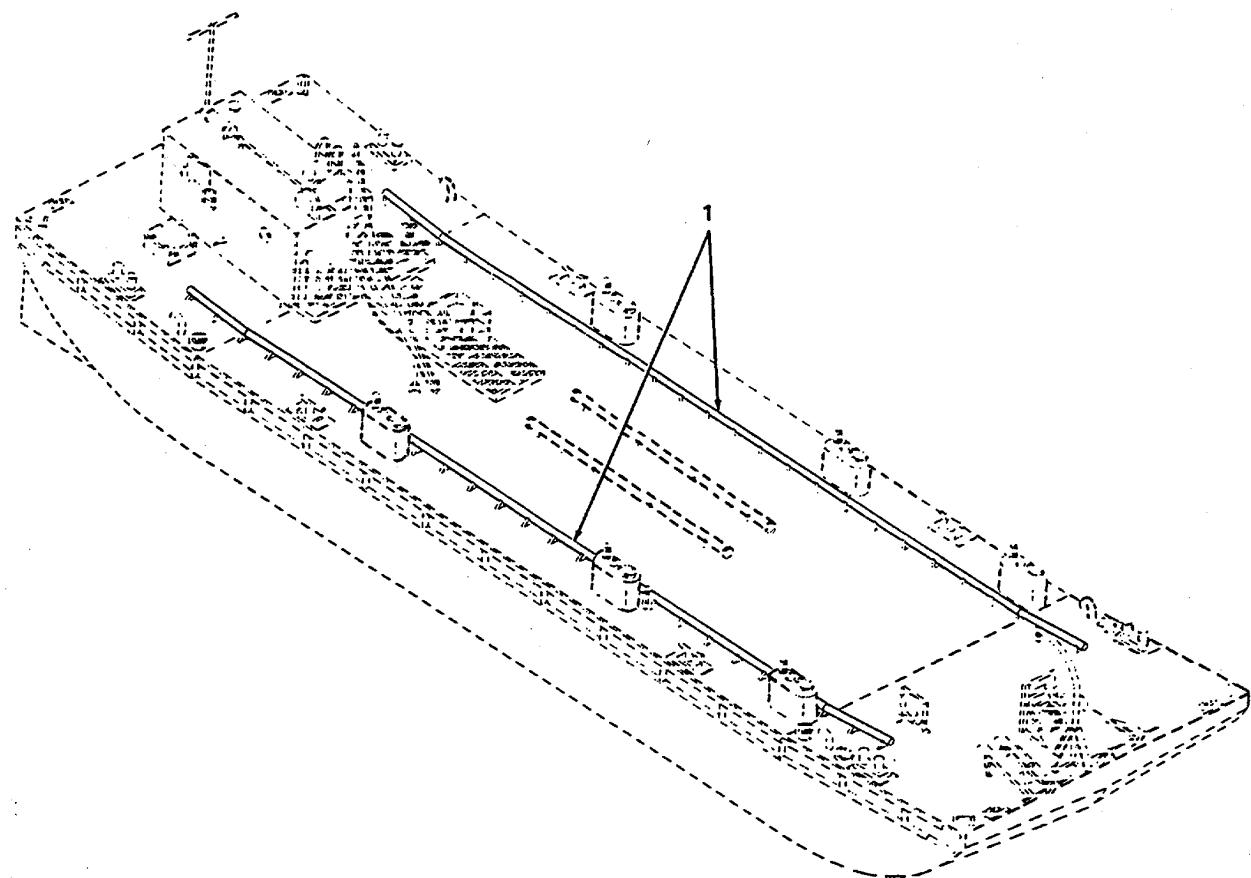


Figure 7. Lash Rail.

SECTION II

| (1) ITEM NO | (2) SMR CODE | (3) CAGE C | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES (UOC) | (6) QTY |
|-------------------|--------------------|---------------|-----------------------|----------------------------------------------|------------|
| GROUP 01 HULL | | | | | |
| FIG. 7 LASH RAIL | | | | | |
| 1 | XDFZZ | 81996 2351 | 21X | .CARGO RAIL..... | 1 |

END OF FIGURE

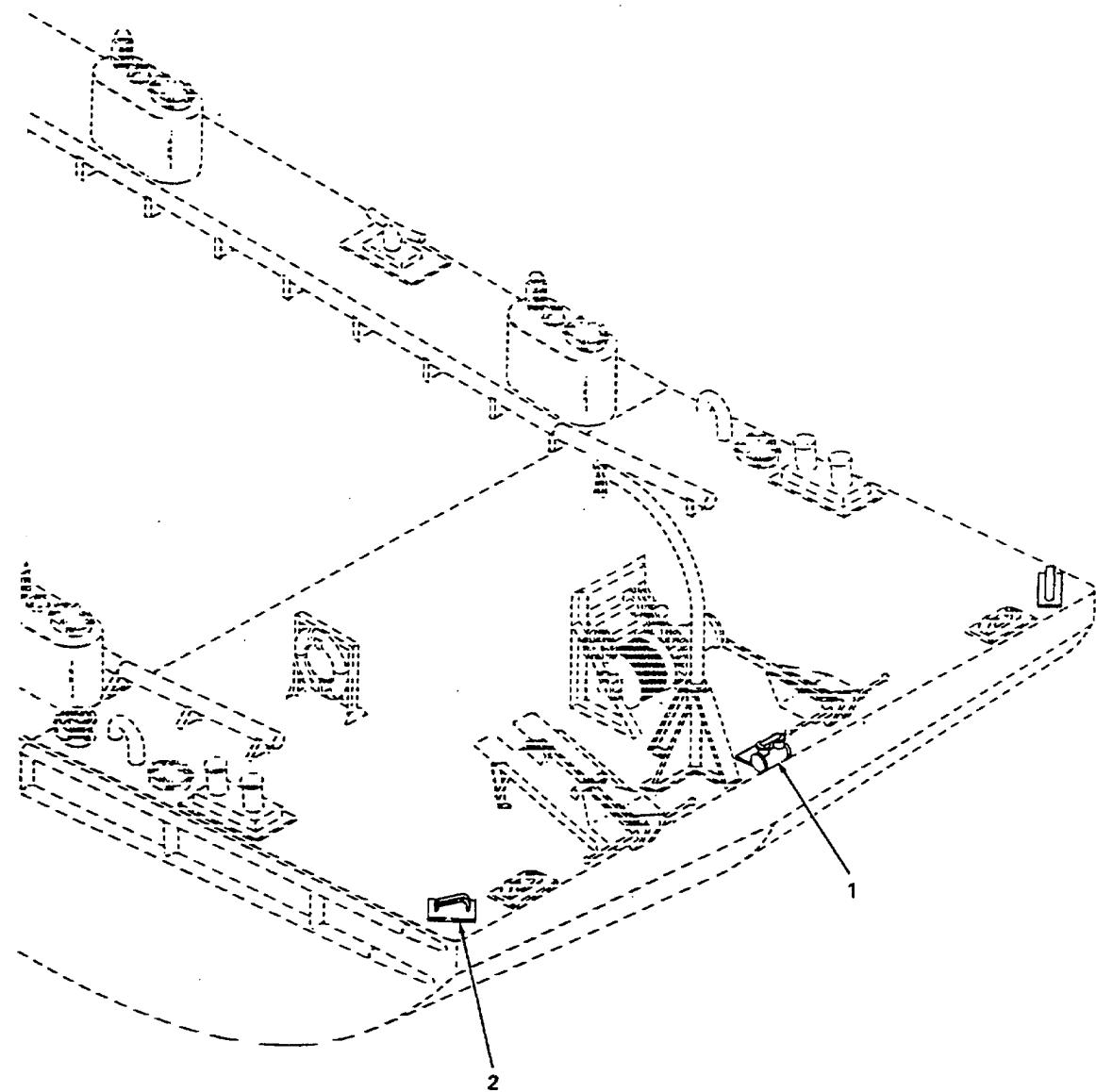


Figure 8. Chocks.

SECTION II

| (1) ITEM NO | (2) SMR CODE | (3) CAGE C | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES (UOC) | (6) QTY |
|-------------------|--------------------|---------------|-----------------------|----------------------------------------------|------------|
| GROUP 01 HULL | | | | | |
| FIG. 8 CHOCKS | | | | | |
| 1 | XDHHH | 97403 | B-2463 | ROLLER CHOCK ASSY | 1 |
| 2 | XDHZZ | 97403 | 231B-8 | CHOCK, TOWING | 1 |

END OF FIGURE

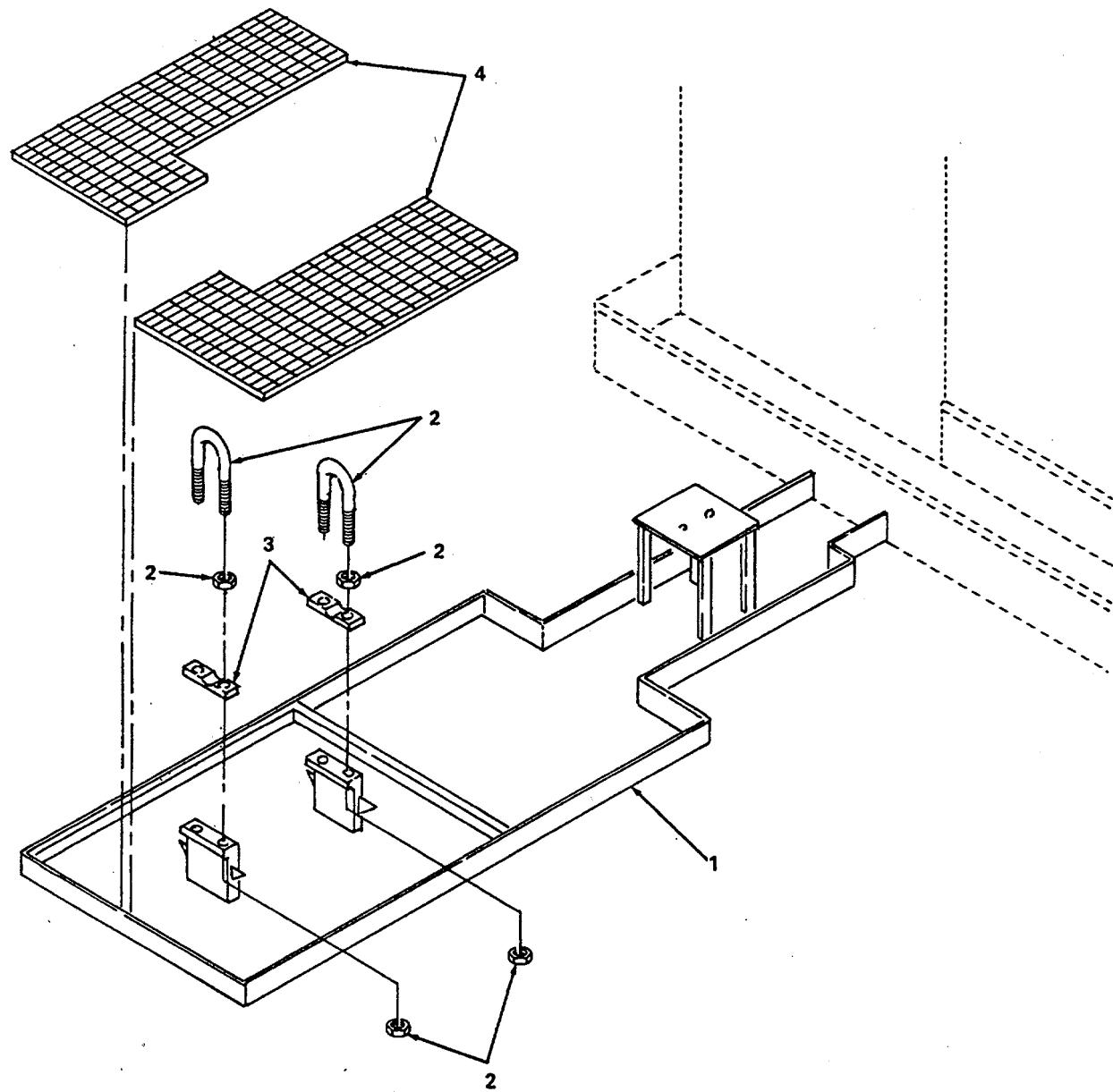


Figure 9. Containment Trough.

SECTION II

| (1) ITEM NO | (2) SMR CODE | (3) CAGE C | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES (UOC) | (6) QTY |
|---------------------------|--------------------|---------------|-----------------------|-------------------------------------------------|------------|
| GROUP 01 HULL | | | | | |
| FIG. 9 CONTAINMENT TROUGH | | | | | |
| 1 | XDHHHD | 97403 | 13222E5956 | CONTAINMENT TROUGH | 1 |
| 2 | XDHZZ | 53790 | UBC114.0 | .U-BOLT, TANKER CLAMP WITH NUT | 2 |
| 3 | XDHZZ | 53790 | RULI114.0-PP | .PAD, SLIDING, CONTAIN..... | 2 |
| 4 | XDHZZ | 81349 | MILG18014TYACLA | .GRATING, BAR TYPE | 2 |

END OF FIGURE

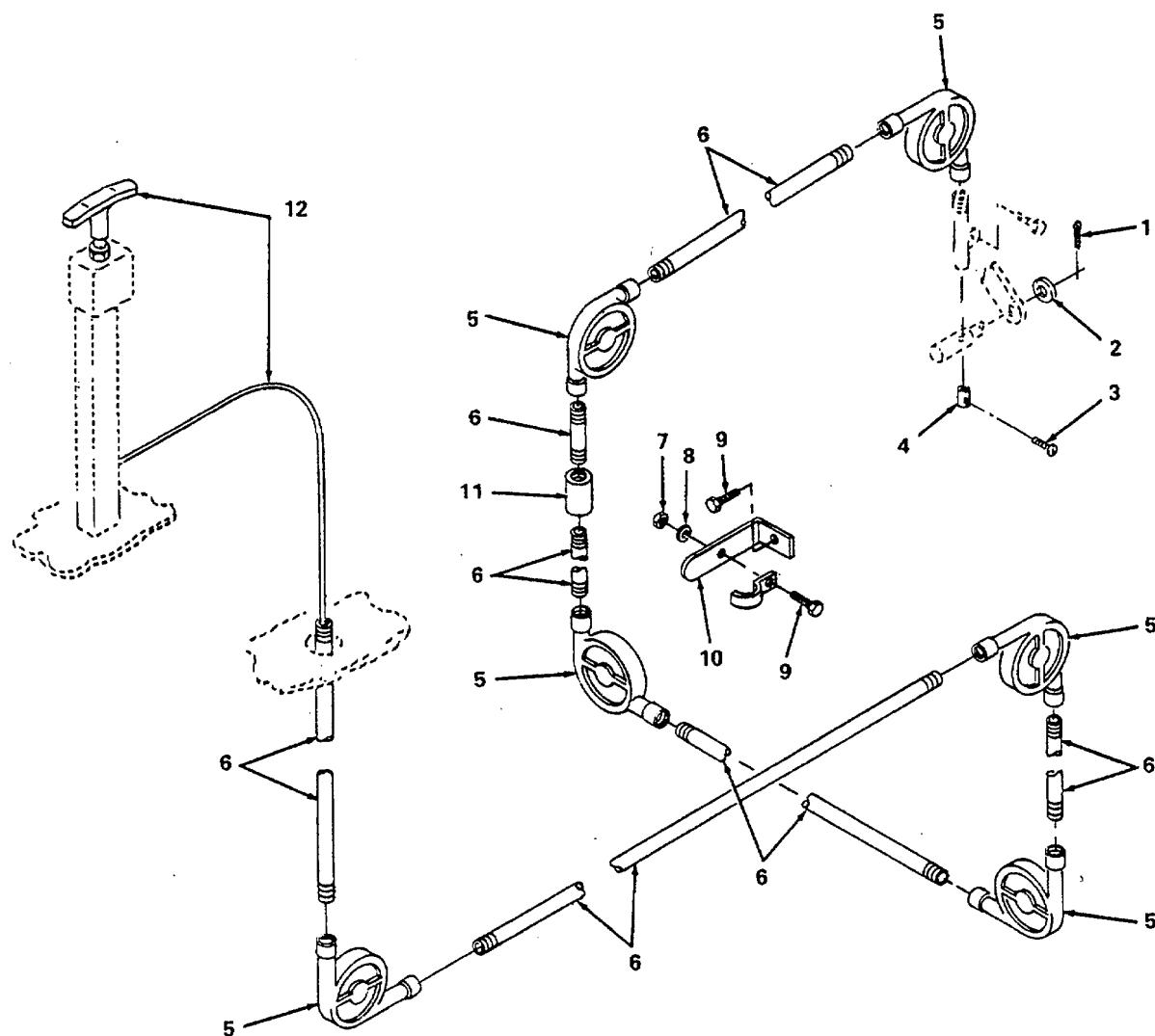
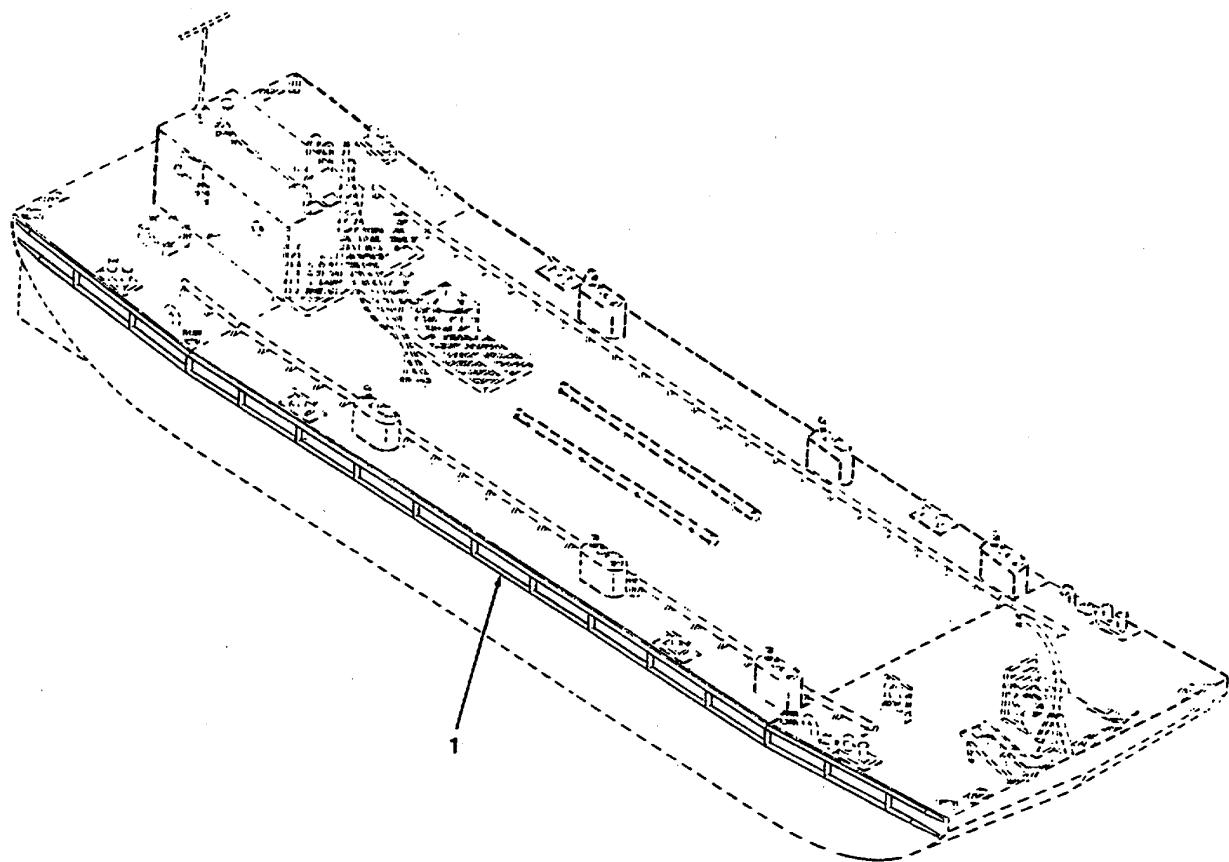


Figure 10. Engine Shutdown.

SECTION II**TM 55-1930-202-24P**

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|-------------------------|--------------------|--------------|-----------------------|---------------------------------------------|------------|
| GROUP 01 HULL | | | | | |
| FIG. 10 ENGINE SHUTDOWN | | | | | |
| 1 | XDFZZ | 81348 | FFP386 | .PIN,COTTER,REMOTE | 1 |
| 2 | PAFZZ | 96906 | 7S21306-1 | .WASHER,FLAT | 1 |
| 3 | XDFZZ | 72582 | 140855 | .SCREW | 1 |
| 4 | XDFZZ | 72582 | 3796374 | .NUT,PLAIN,ROUND..... | 1 |
| 5 | XDFZZ | 33525 | 80308 | .PULLEY,REMOTE ENGIN | 7 |
| 6 | XDFZZ | 81346 | ASTMA42375 | .TUBING,REMOTE ENGIN 3/4 IN CRES | 8 |
| STEEL | | | | | |
| 7 | PAFZZ | 96906 | MS35691-1 | .NUT,PLAIN,HEXAGON 1/4 IN..... | 1 |
| 8 | PAFZZ | 96906 | MS35338-139 | .WASHER,LOCK 1/4 IN | 2 |
| 9 | XDFZZ | 96906 | MS35302-6 | .SCREW,CAP,HEXAGON H 1/4 IN X 3/4 | 2 |
| IN L | | | | | |
| 10 | XDFZZ | 80204 | ANSIB31.1 | .BRACKET,REMOTE ENGI (ATTACHED TO..... | 1 |
| | | | | PTO) | |
| 11 | XDFZZ | 80204 | ANSIA106 | .COUPLING,REMOTE ENG 3/8 IN 2 | |
| 12 | XDFZZ | 33525 | 1590000420 | .CABLE,REMOTE ENGIN 1/8 IN..... | 1 |

END OF FIGURE



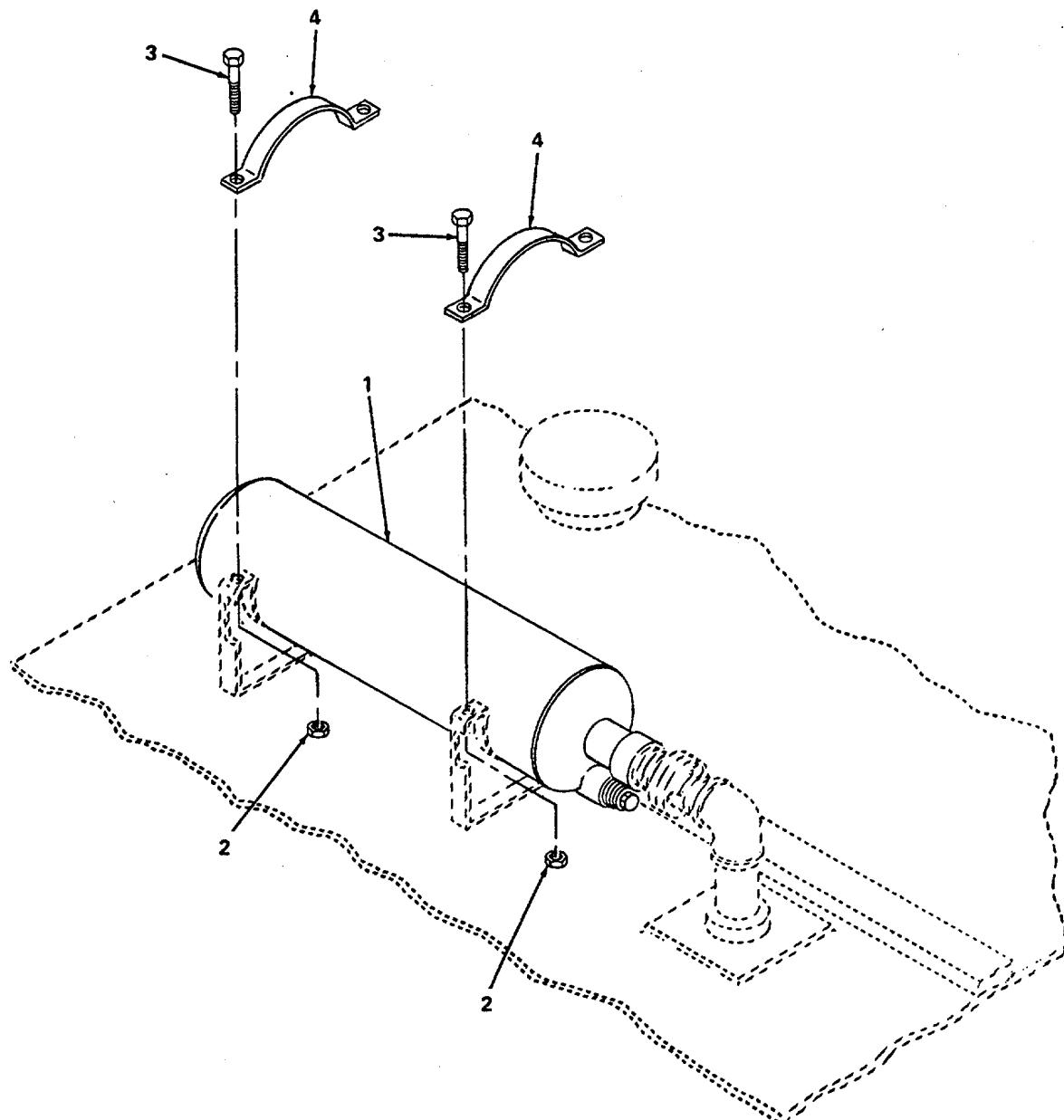
4791-011

Figure 11. Rub Rail.

SECTION II**TM 55-1930-202-24P**

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|---------------------------------------------|------------|
| GROUP 01 HULL | | | | | |
| FIG. 11 RUB RAIL | | | | | |
| 1 | XDHZZ | 97403 | 193540 | RAILS, RUB | 1 |

END OF FIGURE



4791-012

Figure 12. Exhaust Muffler.

SECTION II**TM 55-1930-202-24P**

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER |
|-------------------|--------------------|--------------|-----------------------|
|-------------------|--------------------|--------------|-----------------------|

| (5) | (6) |
|--------------------------------------|-----|
| DESCRIPTION AND USABLE ON CODES(UOC) | QTY |

GROUP 02 MACHINERY HOUSE

FIG. 12 EXHAUST MUFFLER

| | | | | | |
|---|-------|-------|------------|----------------------------|---|
| 1 | XDCZZ | 39004 | MSC1-7 | MUFFLER,EXHAUST..... | 1 |
| 2 | PACZZ | 96906 | MS51968-11 | .NUT,PLAIN,HEXAGON | 4 |
| 3 | XDCZZ | 96906 | MS90725-35 | .BOLT,MACHINE | 4 |
| 4 | XDOZZ | 80204 | ANS1B31.1 | .STRAP,CLAMPING,EXHA | 2 |

END OF FIGURE

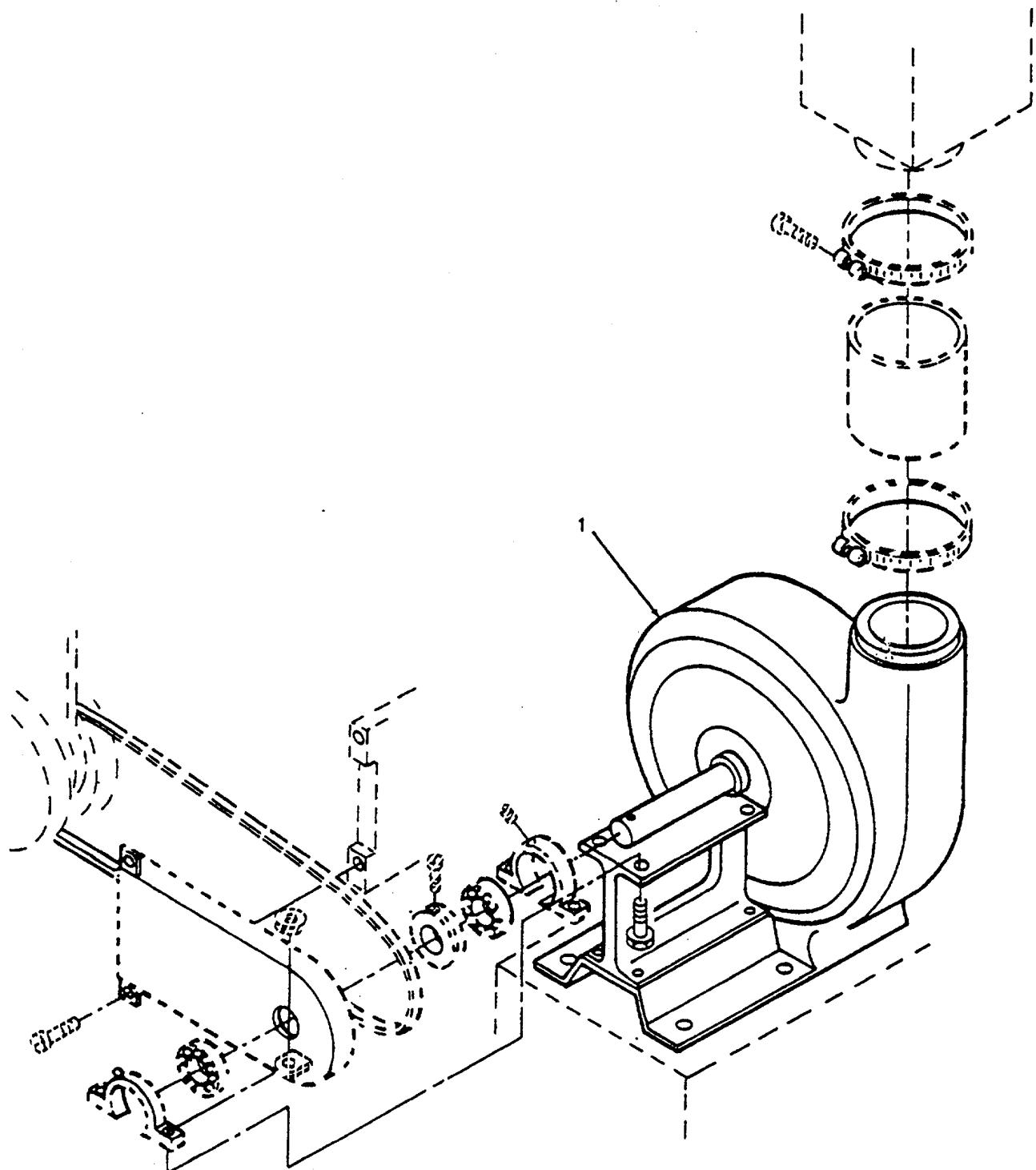


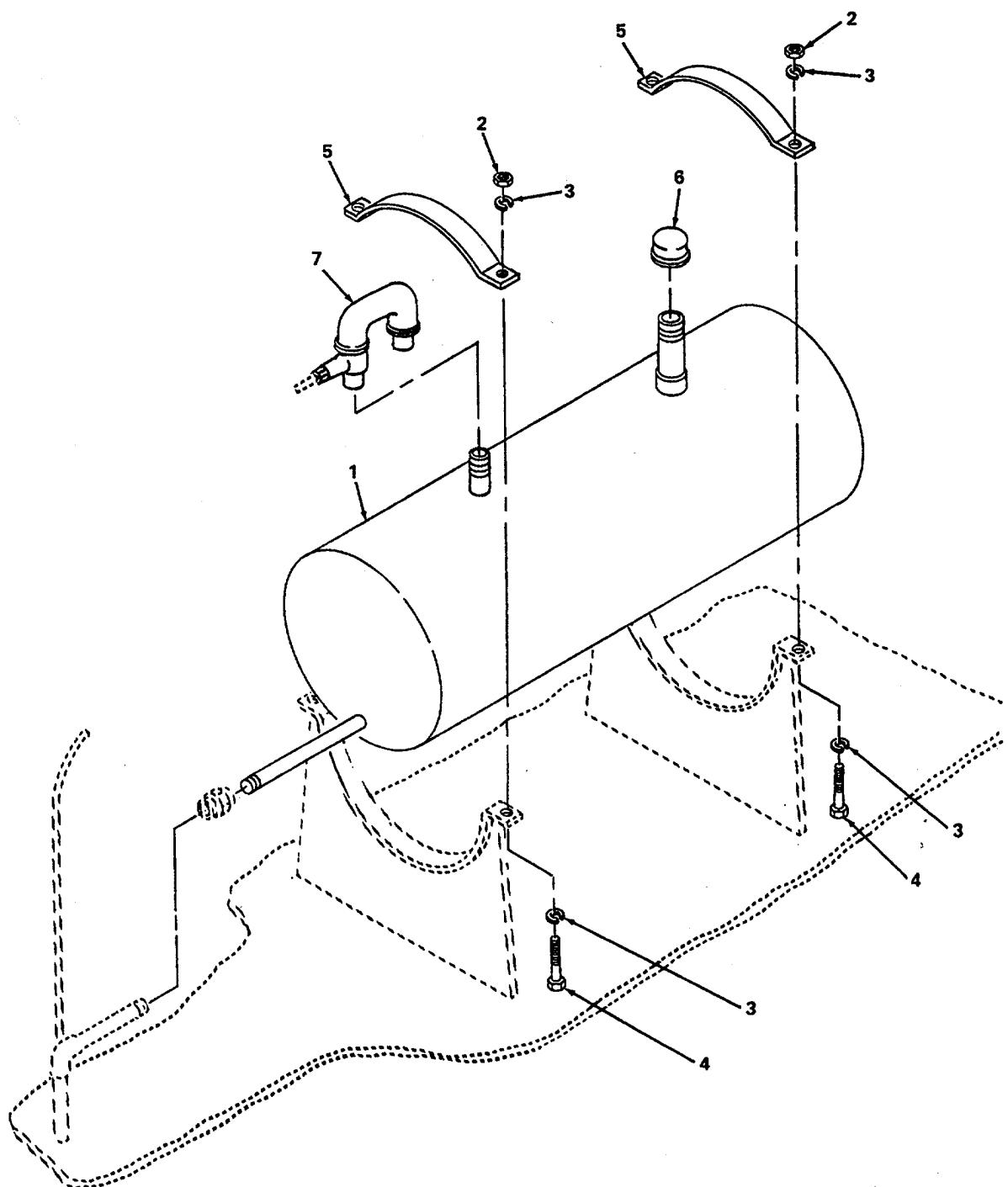
Figure 13. Exhaust Fan, Bilge.

4791-013

SECTION II**TM 55-1930-202-24P**

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|------------------------------------------------------------------------------------------------|------------|
| 1 | XDFZZ | 97403 | 7W18828 | GROUP 02 MACHINERY HOUSE FIG. 13 EXHAUST FAN, BILGE FAN, EXHAUST, BILGE VENTILATION..... | 1 |

END OF FIGURE



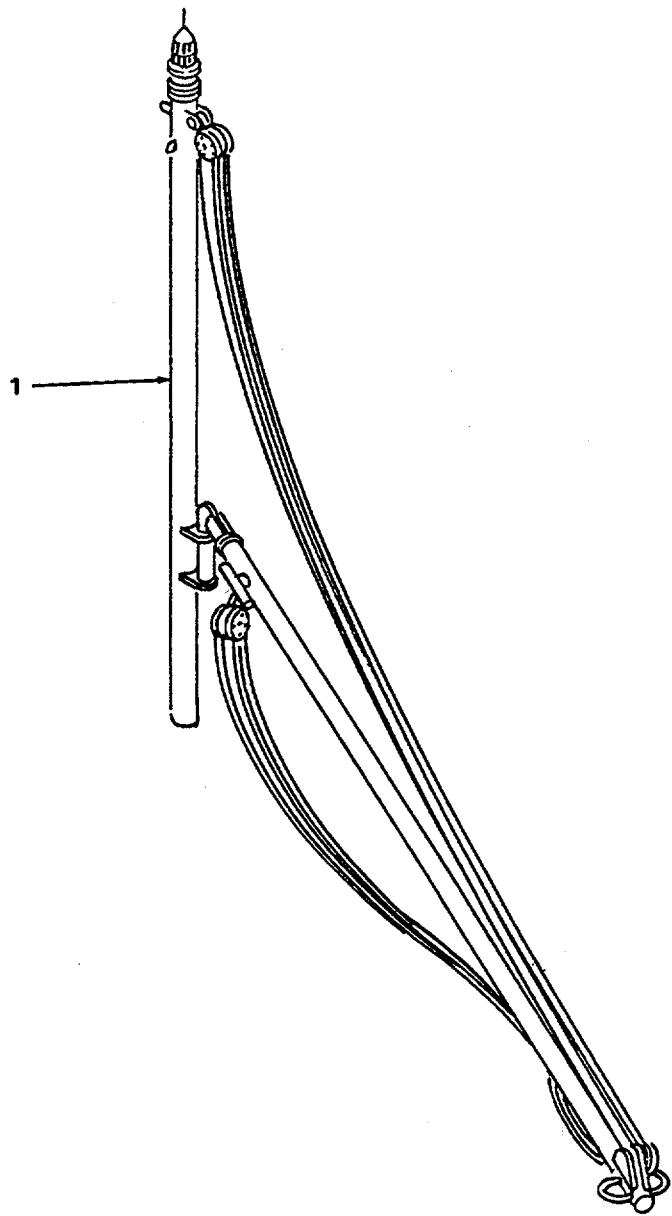
4791-014

Figure 14. Fuel Tank.

SECTION II**TM 55-1930-202-24P**

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|--------------------------|--------------------|--------------|-----------------------|-------------------------------------------------|------------|
| GROUP 02 MACHINERY HOUSE | | | | | |
| FIG. 14 FUEL TANK | | | | | |
| 1 | XDCHH | 97403 | 2351-35X | TANK,FUEL OIL..... | 1 |
| 2 | PACZZ | 96906 | MS51967-23 | .NUT,PLAIN,HEXAGON BOLT..... | 4 |
| 3 | PACZZ | 96906 | MS35338-108 | .WASHER,LOCK..... | 4 |
| 4 | XDCZZ | 96906 | MS90725-180 | .SCREW,CAP,HEXAGON H 5/8 IN | 4 |
| 5 | XDCZZ | 97403 | 2351-35X | .TANK STRAP ,FUEL 2 1/2 IN X 5/16 IN X 36 IN | 2 |
| 6 | XDCZZ | 80064 | 211-463489-C1 | .CAP,PIPE,FUEL OIL T..... | 1 |
| 7 | XDCZZ | 97403 | 32351-A83 | .VENT,GOOSENECK,FUEL..... | 1 |

END OF FIGURE



4791-015

Figure 15. Cargo Boom.

SECTION II**TM 55-1930-202-24P**

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|-------------------|--------------------|--------------|-----------------------|---------------------------------------------------------------|------------|
| I | XDHHH | 97403 | BG6222S5501 | GROUP 03 CARGO BOOM FIG. 15 CARGO BOOM BOOM,CARGO | 1 |

END OF FIGURE

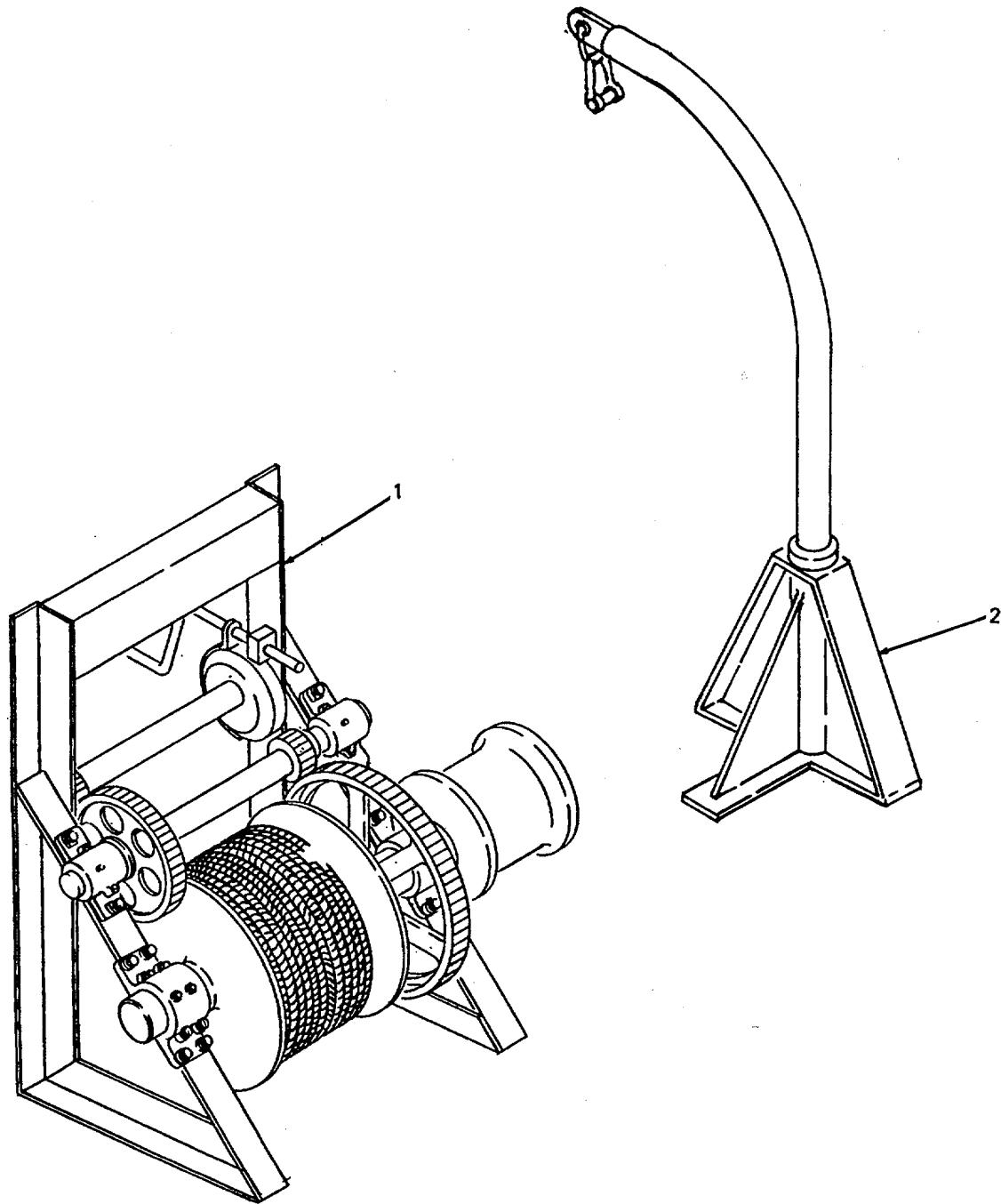


Figure 16. Anchor Windlass Davit.

4791-016

SECTION II**TM 55-1930-202-24P**

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|-------------------------------|--------------------|--------------|-----------------------|---------------------------------------------|------------|
| GROUP 04 DECK GEAR | | | | | |
| FIG. 16 ANCHOR WINDLASS DAVIT | | | | | |
| 1 | XDHHH | 97403 | H482 | WINDLASS,ANCHOR | 1 |
| 2 | XDHHH | 97403 | 193537 | DAVIT,ANCHOR ASSY | 1 |

END OF FIGURE

SECTION II

TM 55-1930-202-24P

1
2 THRU 4

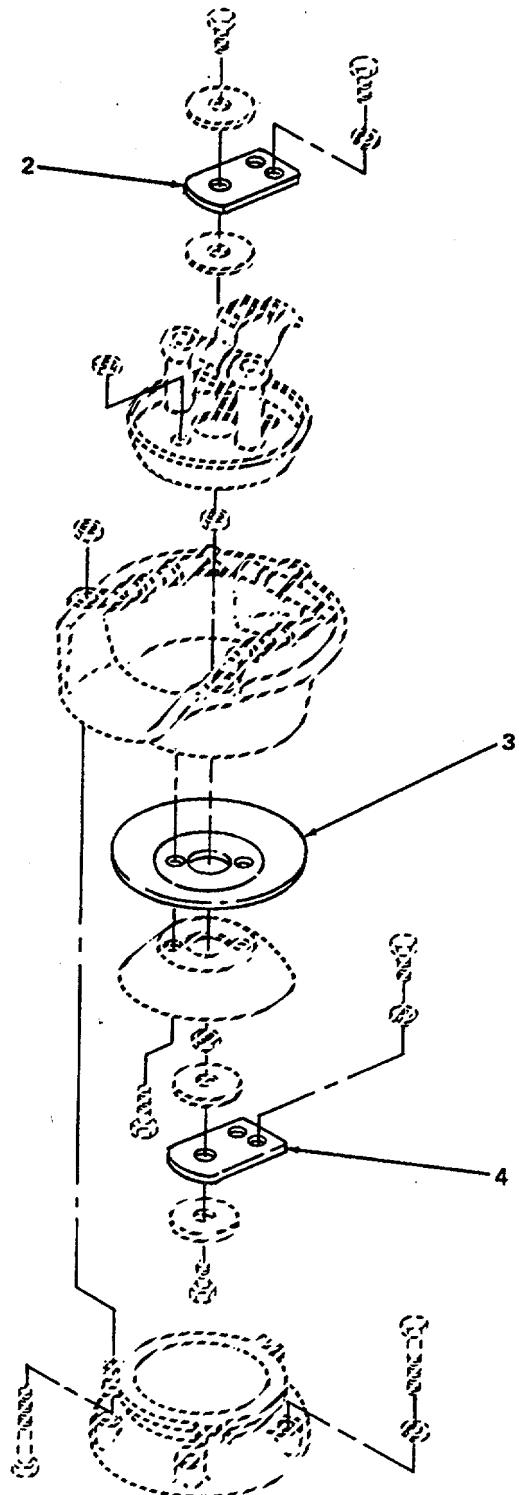


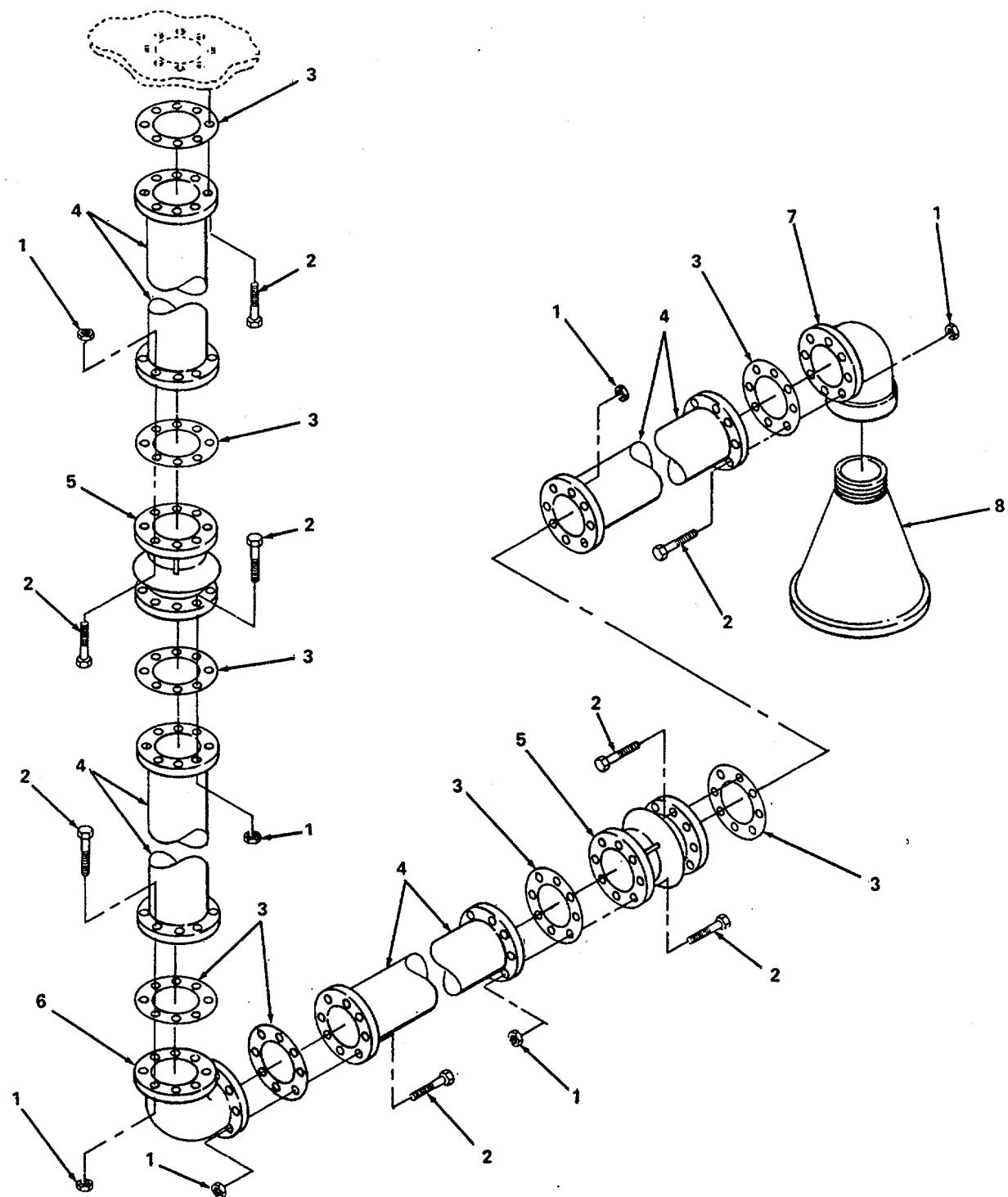
Figure 17. Bilge Pump.

4791-017

SECTION II**TM 55-1930-202-24P**

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|--------------------|--------------------|--------------|-----------------------|---------------------------------------------|------------|
| GROUP 04 DECK GEAR | | | | | |
| FIG. 17 BILGE PUMP | | | | | |
| 1 | XDFFF | 97403 | 231B129 | PUMP,HAND BILGE | 2 |
| 2 | XDFZZ | 19548 | FIG161SZA21 | .RUBBER,OUTLET CHAMB..... | 2 |
| 3 | XDFZZ | 19548 | MDL113SZO | .DIAPHRAGM,BILGE PUM SIZE 0..... | 2 |
| 4 | XDFZZ | 19548 | FIG162SZ14021 | .RUBBER,VALVE INLET, BILGE PUMP | 2 |

END OF FIGURE



4791-018

Figure 18. Bilge Piping.

SECTION II**TM 55-1930-202-24P**

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) | (6) |
|-------------------|--------------------|--------------|-----------------------|-----|-----|
|-------------------|--------------------|--------------|-----------------------|-----|-----|

DESCRIPTION AND USABLE ON CODES(UOC) QTY

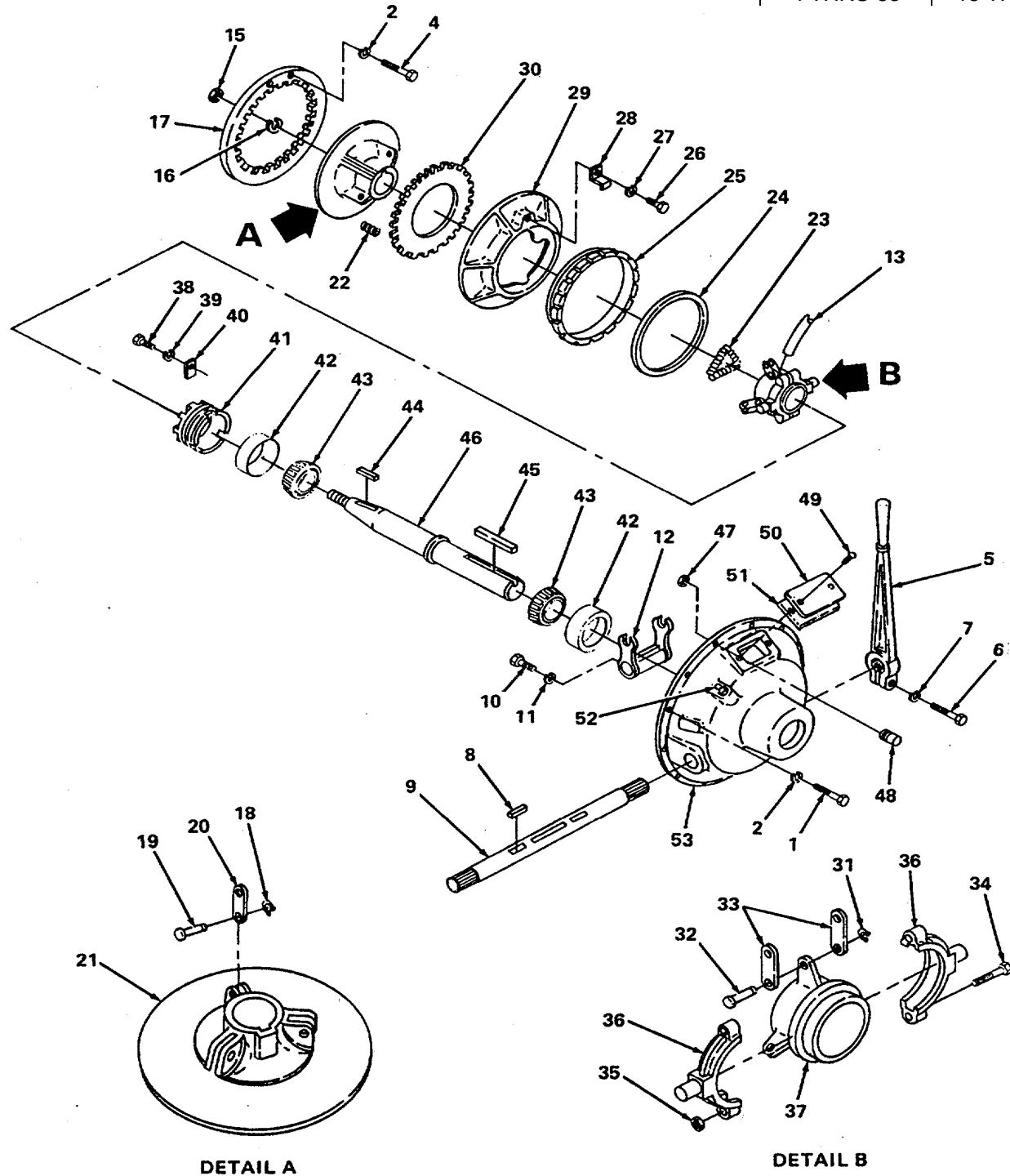
GROUP 04 DECK GEAR

FIG. 18 BILGE PIPING

| | | | | | |
|---|-------|-------|----------------|-------------------------------------|-----|
| 1 | PAFZZ | 96906 | MS35691-1 | NUT,PLAIN,HEXAGON..... | 128 |
| 2 | XDFZZ | 96906 | MS9490-37 | .BOLT,MACHINE 3 1/4 IN LNG..... | 128 |
| 3 | PAFZZ | 97403 | MILG12803B | .PAPER,GASKET | 8 |
| 4 | XDFZZ | 80204 | ANSIB31.1 | .PIPE 2 1/2 IN STD, BLK..... | 4 |
| 5 | XDFZZ | 02056 | S1N1003 | .COUPLING,EXPANSION, 2 1/2 IN..... | 1 |
| 6 | XDFZZ | 80204 | ANSIB31.1 | .ELBOW,STREET 90 DEG 2 1/2 IN | 1 |
| 7 | XDFZZ | 80204 | ANSIB31.1 | .ELBOW,STREET,90 DEG 2 1/2IN | 1 |
| 8 | XDFZZ | 89814 | PN39421/2INLEA | .VALVE,FOOT,BILGE PI | 1 |

END OF FIGURE

| | |
|-----------|------------|
| 3 | 14 |
| 4 THRU 53 | 15 THRU 24 |



4791-019

Figure 19. Power Take-Off and Clutch

| SECTION II | | | | TM 55-1930-202-24P | |
|-------------------|--------------------|--------------|-----------------------|--------------------------------------|-----|
| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) | (6) |
| | | | | DESCRIPTION AND USABLE ON CODES(UOC) | QTY |

GROUP 06 PTO/CLUTCH

FIG. 19 POWER TAKE-OFF AND CLUTCH

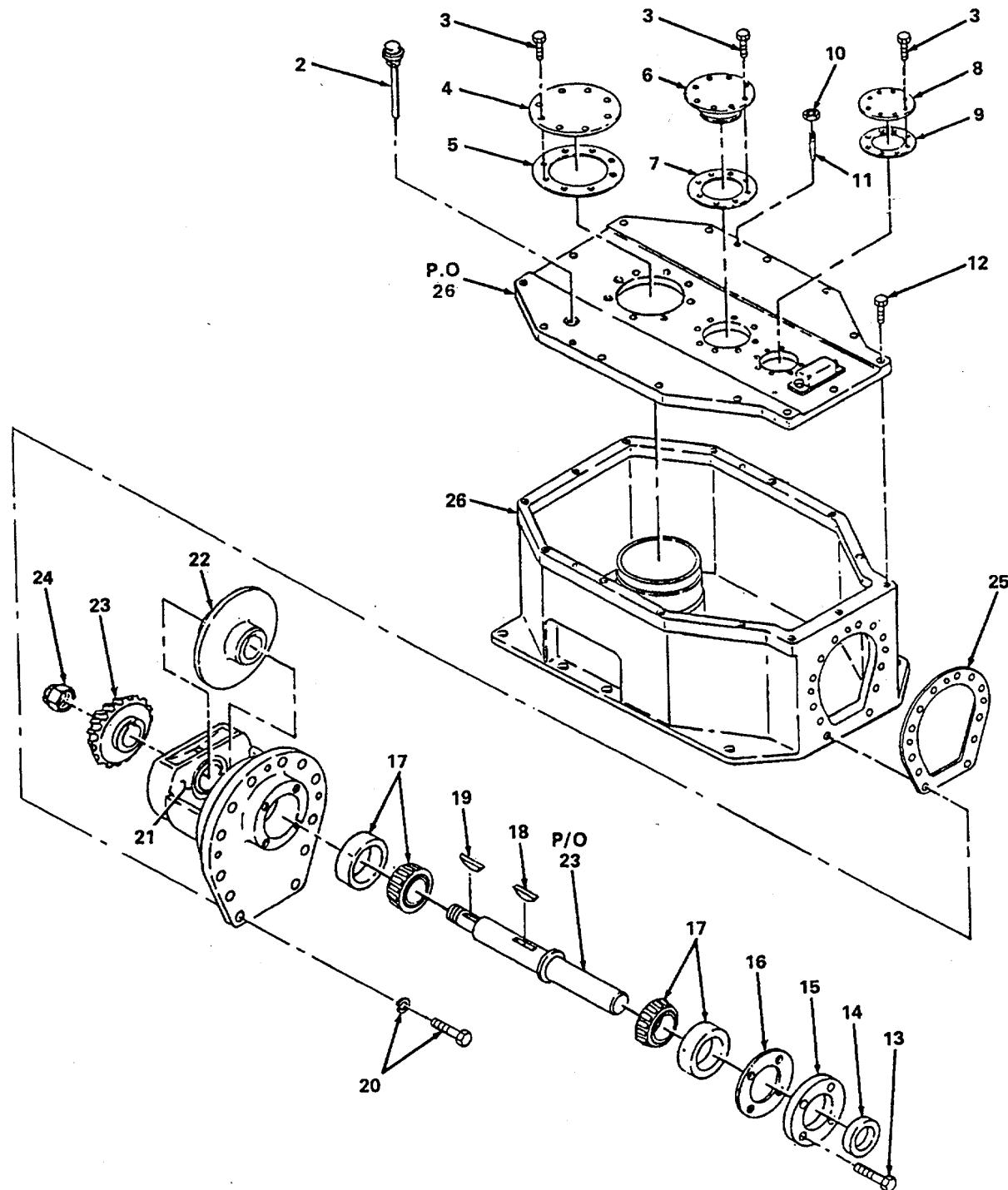
| | | | | | |
|----|-------|-------|------------|-----------------------------------------|----|
| 1 | PAFZZ | 96906 | MS90728-61 | .SCREW,CAP,HEXAGON H | 14 |
| 2 | PAFZZ | 96906 | MS35338-46 | .WASHER,LOCK..... | 23 |
| 3 | PBFHH | 72582 | 5132201 | .POWER UNIT,DIESEL USED ON ENGINES..... | 1 |
| 4 | PAHZZ | 96906 | MS90728-64 | 1034-7000 AND 1043-7000 | |
| 5 | XDHZZ | 72582 | 5192119 | .SCREW,CAP,HEXAGON H BOLT,3/8IN-..... | 9 |
| 6 | PAHZZ | 96906 | MS90728-64 | 16X1 1/2IN | |
| 7 | PAHZZ | 96906 | MS35338-46 | .LEVER ASSY LEVER,CLUTCH HAND | 1 |
| 8 | PAFZZ | 96906 | MS35756-17 | CONTROL | 1 |
| 9 | PBHZZ | 72582 | 5192251 | ...SCREW,CAP,HEXAGON H 3/8IN-16X1..... | 1 |
| 10 | PAHZZ | 96906 | MS90728-61 | 1/2IN | |
| 11 | PAHZZ | 96906 | MS35338-46 | ...WASHER,LOCK 1 | |
| 12 | PBHZZ | 72582 | 5192150 | ..KEY,WOODRUFF KEY,1/4INX1IN..... | 2 |
| 13 | XDHZZ | 72582 | 5192295 | WOODRUFF,YOKE,CL RLSE | |
| 14 | PBHHH | 72582 | 5197881 | ..SHAFT,STRAIGHT SHAFT,CLUTCH..... | 1 |
| 15 | XDHZZ | 72582 | 5192153 | RELEASE | |
| 16 | PAHZZ | 72582 | 5192154 | ...SCREW,CAP,HEXAGON H CLUTCH | 2 |
| 17 | PAHZZ | 77873 | CL-6950 | RELEASE YOKE | |
| 18 | PAHZZ | 72582 | 5192142 | ...WASHER,LOCK CLUTCH RELEASE YOKE..... | 2 |
| 19 | PAHZZ | 72582 | 5193422 | ..SHIFTER FORK YOKE,CLUTCH RELEASE..... | 1 |
| 20 | PBHZZ | 72582 | 5194140 | ..HOSE,FLEX X9IN),CLUTCH RELEASE | 1 |
| 21 | XDHZZ | 72582 | 5194141 | BEARING | |
| 22 | PBHZZ | 72582 | 5193431 | ..CLUTCH ASSY.(11 1/2 IN)..... | 1 |
| 23 | XDHZZ | 72582 | 5194138 | ..NUT,HEXAGON NUT,CLUTCH DRIVE | 1 |
| 24 | XDHZZ | 72582 | 5197882 | SHAFT | |
| 25 | XDHZZ | 72582 | 5197883 | ..WASHER,LOCK LOCKWASHER,CLUTCH | 1 |
| 26 | XDHZZ | 72582 | 114351 | DRIVE SHAFT | |
| 27 | PAHZZ | 96906 | MS35335-33 | ..GEAR,INTERNAL RING(11 1/2IN), | 1 |
| 28 | XDHZZ | 72582 | 5196867 | CLUTCH DRIVING | |
| | | | | ..RING,RETAINING CLUTCH RELEASE..... | 3 |
| | | | | YOKE LEVER | |
| | | | | ...PIN,GROOVED,HEADED YOKE LEVER, | 3 |
| | | | | POWER RELEASE | |
| | | | | ...LEVER,REMOTE CONTROL CLUTCH..... | 3 |
| | | | | RELEASE YOKE PART OF KIT P/N 5194261 | |
| | | | | ...PLATE(OUTER),CLUTCH PRESSURE..... | 1 |
| | | | | PART OF KIT P/N 5194261 | |
| | | | | ..SPRING,HELICAL,COMP PRESSURE | 3 |
| | | | | PLATE RETURN | |
| | | | | ..SPRING,CLUTCH TOGGLE LEVER PART..... | 1 |
| | | | | OF KIT P/N 5194261 | |
| | | | | ...PLATE,WEAR CLUTCH ADJUSTING NUT..... | 1 |
| | | | | LOCK | |
| | | | | ...NUT,CLUTCH ADJUSTING 1 | |
| | | | | ..SCREW,MACHINE NUT LOCK,1/4IN- | 1 |
| | | | | 20X3/8IN FILET HEAD | |
| | | | | ..WASHER,LOCK ADJUSTING NUT LOCK,..... | 1 |
| | | | | 1/4IN EXTERNAL TOOTH | |
| | | | | ..LOCK,ADJUSTING CLUTCH ADJUSTING | 1 |

SECTION II**TM 55-1930-202-24P**

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) | (6) |
|-------------------|--------------------|--------------|-----------------------|------------------------------------------------------------------|-----|
| | | | | DESCRIPTION AND USABLE ON CODES(UOC) QTY | |
| | | | | NUT | |
| 29 | PBHZZ | 72582 | 5194290 | ...PLATE,PRESSURE,CLUTCH PRESSURE | 1 |
| 30 | PBHZZ | 72582 | 5197884 | ...LINING,FRICITION 11 1/2IN (1 PIECE) | 1 |
| 31 | PAHZZ | 72582 | 5192176 | ...RING,RETAINING CLUTCH RELEASE YOKE LINK | 6 |
| 32 | XDHZZ | 72582 | 5193420 | ...PIN,GROOVED,HEADED YOKE LINK 6 | |
| 33 | PAHZZ | 72582 | 5193421 | ...CONNECTING LINK,RIG YOKE,POWER | 6 |
| 34 | XDHZZ | 72582 | 100018 | TAKE-OFF | |
| | | | |BOLT,CLUTCH RELEASE COLLAR, 5/16IN-24X2IN | 2 |
| 35 | XDHZZ | 72582 | 214279 |NUT,HEXAGON 5/16IN-24 STOP, CLUTCH RELEASE COLLAR | 2 |
| 36 | PBHZZ | 72582 | 5196715 |BEARING UNIT,BALL RELEASE | 1 |
| 37 | PBHZZ | 72582 | 5193432 |SLEEVE,CLUTCH RELEASE | 1 |
| 38 | PAHZZ | 96906 | MS90728-29 |BOLT,MACHINE SHAFT BEARING | 1 |
| 39 | XDHZZ | 96906 | MS35338-45 | RETAINER LOCK, 5/16IN-18X1/2IN | |
| | | | | ..WASHER,LOCK DRIVE SHAFT BEARING | 1 |
| 40 | XDHZZ | 72582 | 3223379 | RETAINER | |
| | | | | ..PLATE,CLUTCH LOCK CLUTCH DRIVE | 1 |
| 41 | XDHZZ | 72582 | 5192149 | SHAFT BEARING RETAINER | |
| | | | | ..RETAINER CLUTCH DRIVE SHAFT | 1 |
| 42 | XDHZZ | 72582 | 441294 | BEARING RETAINER | |
| | | | | ..CONE,BEARING CLUTCH DRIVE SHAFT | 2 |
| 43 | XDHZZ | 72582 | 142224 | BEARING | |
| | | | | ..CUP,TAPERED ROLLER CLUTCH DRIVE | 2 |
| 44 | XDHZZ | 72582 | 5193450 | SHAFT BEARING | |
| | | | | ...KEY,MACHINE KEY C3/8IN X 1/2IN X 2 1/4IN) | 1 |
| 45 | XDHZZ | 72582 | 5192156 | ...KEY(PTO PULLEY) KEY(PTO PULLEY)(5/8IN X 5/8IN X 5 1/5IN) | 1 |
| 46 | XDHZZ | 72582 | 5194581 | ..SHAFT,CLUTCH DRIVE | 1 |
| 47 | PAHZZ | 72582 | 122366 | ..NUT,PLAIN,HEXAGON NUT,5/8IN-18, CLUTCH RELEASE BEARING HOSE | 1 |
| 48 | PAHZZ | 96906 | MS15003-1 | ..FITTING,LUBRICATION FITTING,HOSE, CLUTCH RELEASE BEARING | 2 |
| 49 | PAHZZ | 96906 | MS35206-277 | ..SCREW,MACHINE IN RD HD SL,COVER, CLUTCH HSG INSPECTION HOLE | 2 |
| 50 | XDHZZ | 72582 | 5199835 | ..COVER,CLUTCH HOUSING INSPECTION | 1 |
| 51 | PCHZZ | 72582 | 5192416 | HOLE | |
| 52 | PAHZZ | 96906 | MS15003-1 | ..GASKET NG INSPECTION HOLE COVER | 1 |
| 53 | XDHZZ | 72582 | 5192147 | ..FITTING,LUBRICATION FITTING, CLUTCH DRIVE SHAFT BEARING GREASE | 1 |
| | XDFZZ | 72582 | 5194261 | ..HOUSING,CLUTCH 1 | |
| | | | | .KIT,CLUTCH OUTER PRESSURE PLATE, POWER TAKE-OFF | 1 |
| | | | | LEVER,REMOTE CONTROL (3) 19-20 | |
| | | | | PLATE (OUTER), CLUTCH (1) 19-21 | |
| | | | | SPRING,CLUTCH TOGGLE (1) 19-23 | |

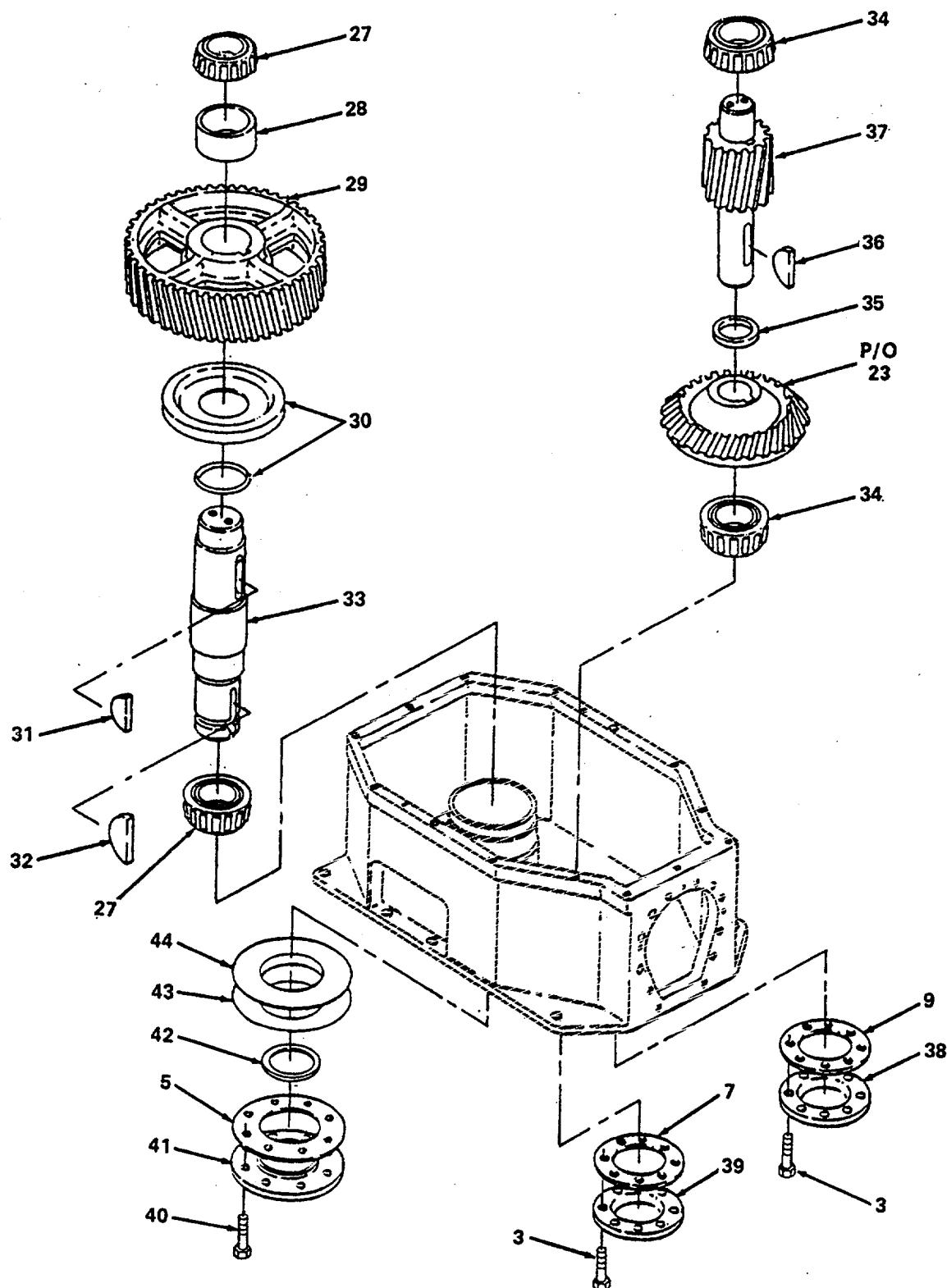
END OF FIGURE

1
2 THRU 44



4791-020.1

Figure 20. Speed Reducer (Sheet 1 of 2). B



4791-020.2

Figure 20. Speed Reducer (Sheet 2 of 2).

SECTION II**TM 55-1930-202-24P**

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) | (6) |
|-------------------|--------------------|--------------|--------------------------------|-------------------------------------------------------------------|-----|
| | | | | DESCRIPTION AND USABLE ON CODES(UOC) QTY | |
| | | | | GROUP 07 SPEED REDUCER, COUPLING, AND UNIVERSAL SHAFT ASSEMBLY | |
| | | | | FIG. 20 SPEED REDUCER | |
| 1 | XDFHH | 21444 | 2070YBXDZA/M0826 5518 | SPEED REDUCER,RIGHT ANGLE | 1 |
| 2 | XDCZZ | 21444 | M08265518REF25 | .VENT,AIR | 1 |
| 3 | XDHZZ | 21444 | M08265518 | .BOLT, HEX HEAD..... | 40 |
| 4 | XDHZZ | 21444 | M08265518REF22 | .COVER,END,LOW SPEED SHAFT DOWN..... | 1 |
| 5 | XDHZZ | 21444 | M08265518REF14 | .GASKET-SHIM,LOW SPEED SHAFT PART..... | 2 |
| | | | | OF KIT P/N M08265518REF100 | |
| 6 | XDHZZ | 21444 | M08265518REF12 | .COVER,END,LOW SPEED..... | 1 |
| 7 | XDHZZ | 21444 | M08265518REF15 | .GASKET-SHIM,LOW SPEED PINION PART..... | 2 |
| | | | | OF KIT P/N M08265518REF100 | |
| 8 | XDHZZ | 21444 | M08265518REF21 | .COVER,END,FIRST INTERMEDIATE..... | 1 |
| | | | | SHAFT, TOP | |
| 9 | XDHZZ | 21444 | M08265518REF13 | .GASKET-SHIM,FIRST INTERMEDIATE | 2 |
| | | | | SHAFT PART OF KIT P/N M08265518REF100 | |
| 10 | XDHZZ | 21444 | M08265518 | .NUT,COVER TAPERED DOWEL | 2 |
| 11 | XDHZZ | 21444 | M08265518 | .DOWELL,TAPERED | 2 |
| 12 | XDHZZ | 21444 | M08265518 | .BOLT,HOUSING COVER..... | 12 |
| 13 | XDOZZ | 21444 | M08265518 | .BOLT,HIGH SPEED SEA..... | 4 |
| 14 | PAOZZ | 21444 | M08265518REF5 | .SEAL,HIGH SPEED OIL | 1 |
| 15 | XDOZZ | 21444 | M08265518REF2,RE F3 | .CAGE,HIGH SPEED SEA L,W/HIGH SPEED SEAL BAFFLE RING | 1 |
| 16 | XDHZZ | 21444 | M08265518REF20 | .GASKET-SHIM,HIGH SPEED BEARINGS..... | 1 |
| | | | | PART OF KIT P/N M08265518REF100 | |
| 17 | XDHZZ | 21444 | M08265518REF1AB2 -50 AND 51 | .BEARING,HIGH SPEED, SHAFT,(CUP | 2 |
| | | | | AND CONE) SOLD AS SET ONLY | |
| 18 | XDHZZ | 21444 | M08265518REF1AB2 57 | .KEY,HIGH SPEED EXTENSION..... | 1 |
| 19 | XDHZZ | 21444 | M08265518REF1AB2 64 | .KEY,OIL SLINGER OR PUMP GEAR | 1 |
| 20 | XDHZZ | 21444 | M08265518 | .BOLT,HIGH SPEEDHEAD | 12 |
| 21 | XDHZZ | 21444 | M08265518REF1A | .HEAD,HIGH SPEED | 1 |
| 22 | XDHZZ | 21444 | M08265518REF1AB2 62 | .SLINGER,OIL..... | 1 |
| 23 | XDHZZ | 21444 | M08265518REF1AB2 52,53,54 | .GEAR,BEVEL/PINION,B EVEL/SHAFT, HIGH SPEED (SOLD AS SET ONLY) | 1 |
| 24 | XDHZZ | 21444 | M08265518REF1AB2 55 | .LOCKNUT,PINION..... | 1 |
| 25 | XDHZZ | 21444 | M08265518REF19 | .GASKET-SHIM,HIGH SPEED BEARING | 1 |
| | | | | CAGE PART OF KIT P/N M08265518REF100 | |
| 26 | XAHZZ | 21444 | M08265518REF1 | .HOUSING,SPEED REDUCER | 1 |
| 27 | XDHZZ | 21444 | M08265518REF5A1, 5A2 | .BEARING,LOW SPEED SHAFT (CUP AND | 1 |
| | | | | CONE) SOLD AS SET ONLY | |
| 28 | XDHZZ | 21444 | M08265518REF5A7 | .SPACER,LOW SPEED GEAR | 1 |
| 29 | XDHZZ | 21444 | M08265518REF5A3 | .GEAR,LOW SPEED..... | 1 |
| 30 | XDHZZ | 21444 | M08265518REF5A10 ,5A11 | .UMBRELLA AND O RING | 1 |

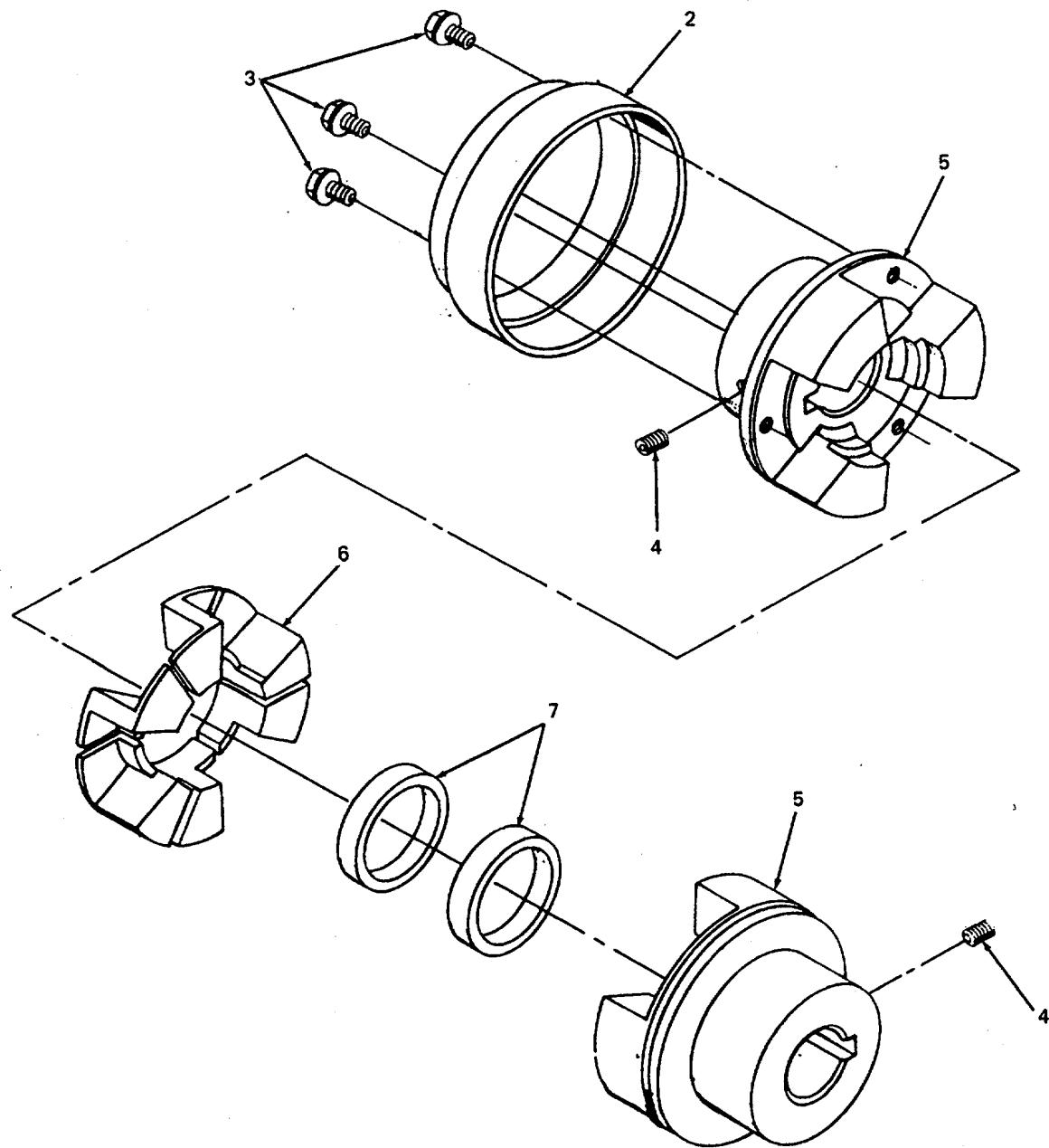
| SECTION II | (1) | (2) | (3) | (4) | (5) | (6) |
|-------------------|----------|-------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|
| ITEM NO | SMR CODE | CAGEC | PART NUMBER | DESCRIPTION AND USABLE ON CODES(UOC) QTY | | |
| 31 | XDHZZ | 21444 | M08265518REF5A9 | .KEY,LOW SPEED GEAR..... | 1 | |
| 32 | XDHZZ | 21444 | M08265518REF5A5 | .KEY,LOW SPEED SHAFT EXTENSION 1 | 1 | |
| 33 | XDHZZ | 21444 | M08265518REF5A4 | .SHAFT,LOW SPEED | 1 | |
| 34 | XDHZZ | 21444 | MO8265518REF4A1, 2 | .BEARING,LOW SPEED PINION SHAFT, (CUP AND CONE) SOLD AS SET ONLY | 1 | |
| 35 | XDHZZ | 21444 | M08265518REF4A10 | .SPACER,FIRST INTERMEDIATE GEAR | 1 | |
| 36 | XDHZZ | 21444 | M08265518REF4A5 | .KEY,BEVEL GEAR | 1 | |
| 37 | XDHZZ | 21444 | M08265518REF4A3 | .PINION,LOW SPEED PINION SHAFT 1 | | |
| 38 | XDHZZ | 21444 | M08265518REF21A | .COVER,END,FIRST INTERMEDIATE..... SHAFT,BOTTOM | 1 | |
| 39 | XDHZZ | 21444 | M08265518REF12A | .COVER,END,LOW SPEED PINION,BOTTOM..... | 1 | |
| 40 | XDHZZ | 21444 | M08265518 | .BOLT,LOW SPEED SEAL CAGE..... | 4 | |
| 41 | XDHZZ | 21444 | M08265518REF7 | .CAGE,LOW SPEED SHAF T SEAL DOWN..... | 1 | |
| 42 | PAHZZ | 21444 | M08265518REF10 | ..SEAL,LOW SPEED OIL, DOUBLE LIP | 1 | |
| 43 | XDHZZ | 21444 | M08265518REF23 | .DAM,OIL | 1 | |
| 44 | XDHZZ | 21444 | M08265518REF24 | .GASKET,OIL DAM PART OF KIT P/N M08265518REF100. | 1 | |
| | XDHZZ | 21444 | MO8265518REF100 | .KIT,GASKET AND SHIM..... GASKET-SHIM,HIGH SP (1) 20-25 GASKET-SHIM,HIGH SP (1) 20-16 GASKET-SHIM,LOW SPE (2) 20-7 GASKET-SHIM,LOW SPE (2) 20-5 GASKET-SHIM,FIRST I (2) 20-9 GASKET,OIL DAM (1) 20-44 | 1 | |

END OF FIGURE

SECTION II

TM 55-1930-202-24P

1
2 THRU 7



4791-021

Figure 21. Coupler.

SECTION II**TM 55-1930-202-24P**

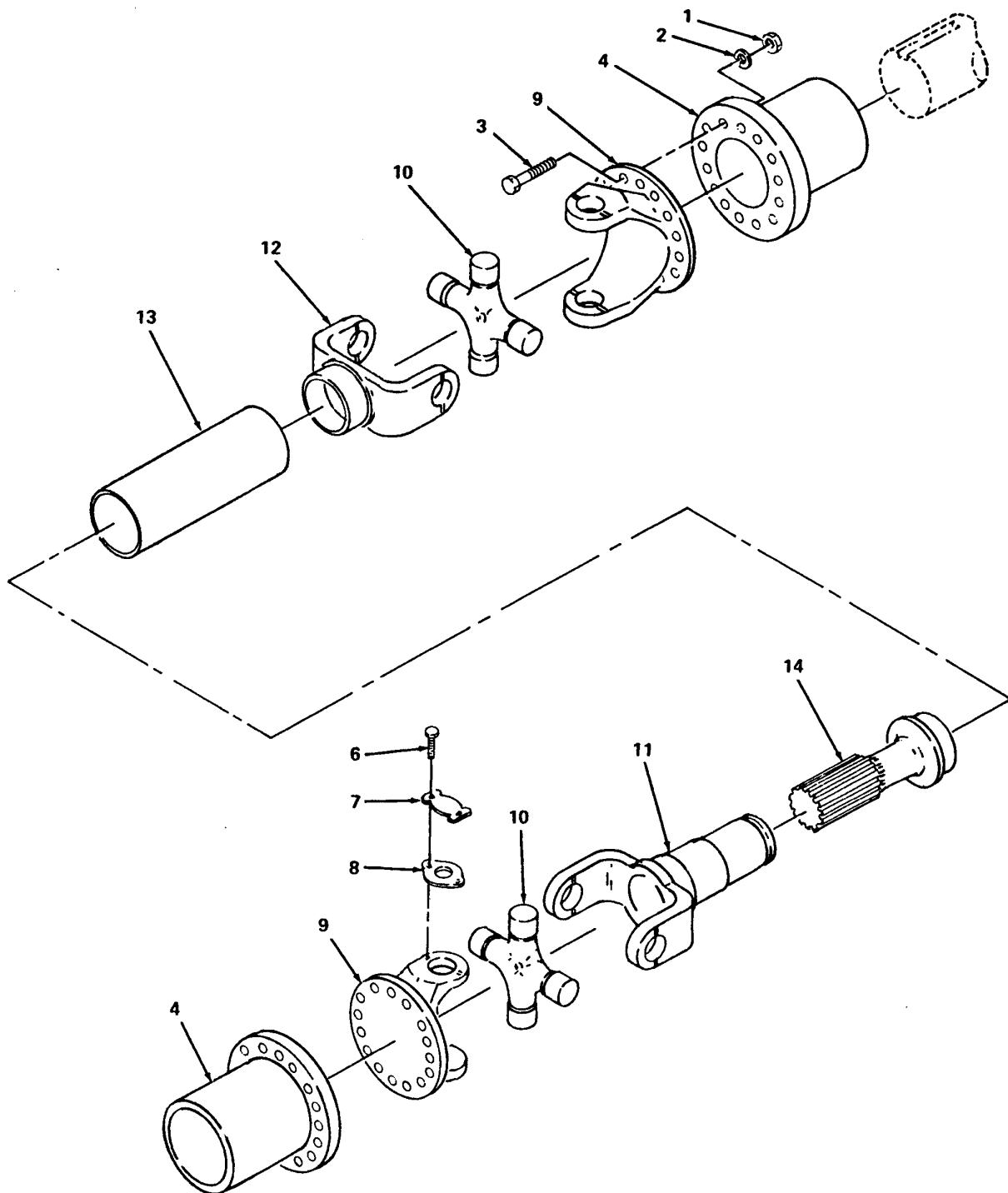
| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) | (6) |
|-------------------|--------------------|--------------|-----------------------|------------------------------------------|-----|
| | | | | DESCRIPTION AND USABLE ON CODES(UOC) QTY | |

GROUP 07 SPEED REDUCER, COUPLING,
AND UNIVERSAL SHAFT ASSEMBLY

FIG. 21 COUPLER

| | | | | | |
|---|-------|-------|---------------|------------------------------------------|---|
| 1 | XDFFF | 75665 | C280 | COUPLING ASSY,ENGINE TO SPEED..... | 1 |
| | | | | REDUCER | |
| 2 | XDFZZ | 75665 | 1030113 | .COLLAR,COUPLING,ENG..... | 1 |
| 3 | XDFZZ | 75665 | GRSZNPLTD | .MACH SCREW,COUPLING 5/16-18UNC-2A | 3 |
| 4 | XDFZZ | 75665 | HEXSOC-CUPPT | X 5/8 IN LNG | |
| 5 | XDFZZ | 75665 | 1030115 | .SET SCR,COUPLING, 1/2-13 UNC-2A | 2 |
| 6 | XDFZZ | 75665 | 1030123TYPESB | .HUB,COUPLING,ENGINE MDL C280 | 2 |
| 7 | XDFZZ | 75665 | 1030114 | .CUSHION,COUPLING, | 6 |
| | | | | .SLEEVE,INSIDE,COUPL ING | 2 |

END OF FIGURE

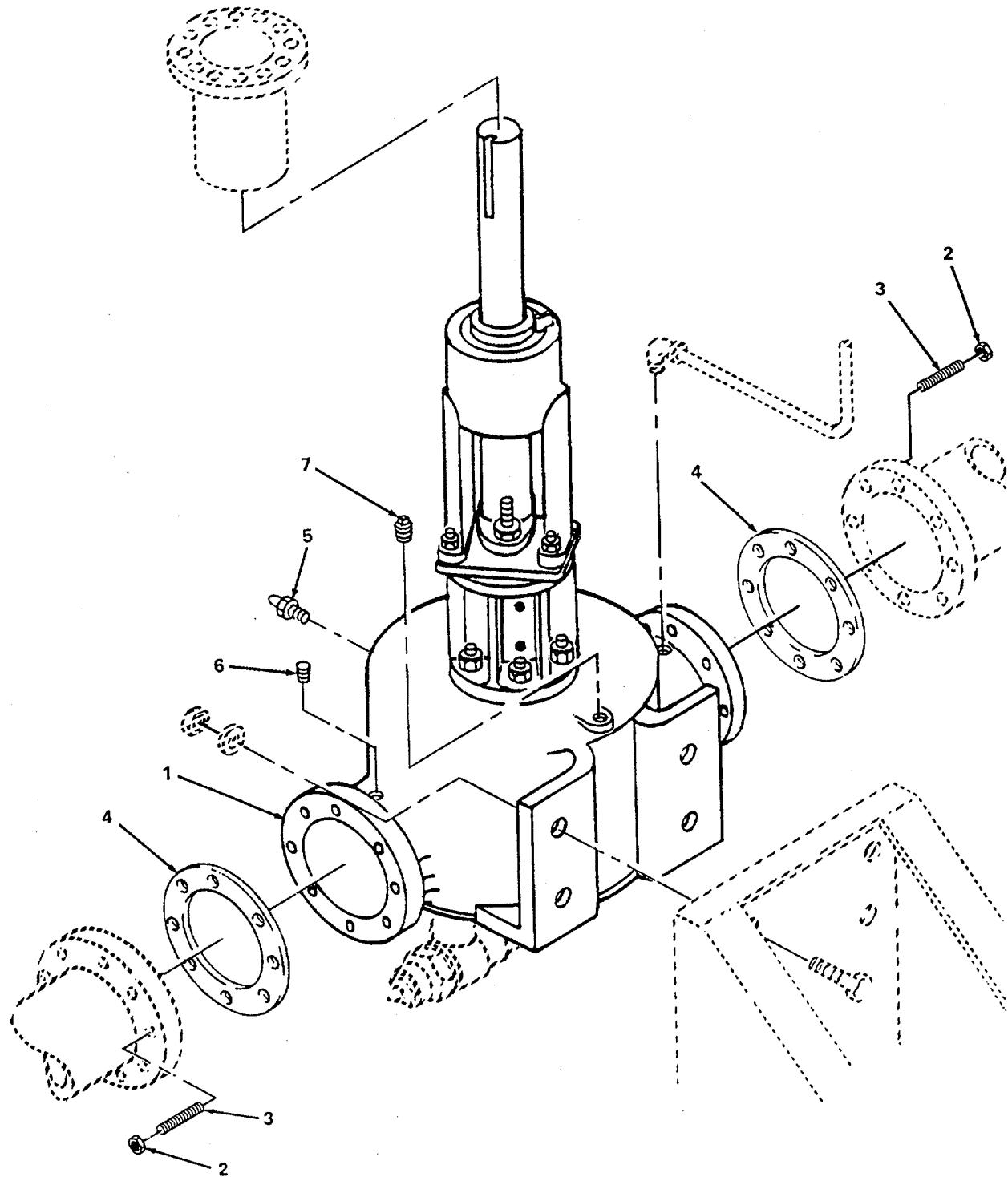
SECTION II**TM 55-1930-202-24P**5
6 thru 14

4791-022

Figure 22. Universal Shaft Assembly.

| SECTION II | | | | | TM 55-1930-202-24P |
|-------------------------------------------------------------------|--------------------|--------------|-----------------------|------------------------------------------|---------------------------|
| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) | (6) |
| DESCRIPTION AND USABLE ON CODES(UOC) QTY | | | | | |
| GROUP 07 SPEED REDUCER, COUPLING, AND UNIVERSAL SHAFT ASSEMBLY | | | | | |
| FIG. 22 UNIVERSAL SHAFT ASSEMBLY | | | | | |
| 1 | PAOZZ | 96906 | MS51971-4 | .NUT,PLAIN,HEXAGON FLANGE | 12 |
| 2 | PAOZZ | 96906 | MS15795-816 | .WASHER,FLATION FLG | 12 |
| 3 | XDOZZ | 96906 | MS9284-18 | .BOLT,MACHINE | 12 |
| 4 | XDFZZ | 95019 | 6.51113 | .FLANGE,COMPANION,SP 2 | |
| 5 | XDFFF | 95019 | 9057442400 | SHAFT ASSY,UNIVERSAL,SPEED | 1 |
| 6 | XDFZZ | 95019 | 673311 | REDUCER TO FUEL TRANSFER PUMP | |
| 7 | XDFZZ | 95019 | 6.58638 | .SCREW,CAP,UNIVERSAL JOINT, | 8 |
| 8 | XDFZZ | 95019 | 230323 | UNIVERSAL SHAFT ASSY | |
| 9 | XDFZZ | 95019 | 6.52329 | .CAP,SHAFT DUST, UNIVERSAL SHAFT | 4 |
| 10 | XDFZZ | 95019 | 5281X | .STRAP,LOCK, UNIVERSAL SHAFT ASSY..... | 1 |
| 11 | XDFZZ | 95019 | 6.531351KX | .YOKE,FLANGE, UNIVERSAL SHAFT ASSY | 1 |
| 12 | XDFZZ | 95019 | 6.528117 | .JOINT,UNIVERSAL,SHAFT ASSY | 1 |
| 13 | XDFZZ | 95019 | 3630626800X | .YOKE,SLIP,UNIVERSALSHAFT ASSY | 1 |
| 14 | XDFZZ | 95019 | 6.540201 | .YOKE,TUBE,UNIVERSALSHAFT ASSY | 1 |
| | | | | .TUBING,UNIVERSAL SHAFT ASSY | 1 |
| | | | | .SPLINE,SHAFT,UNIVERSAL SHAFT ASSY | 1 |

END OF FIGURE

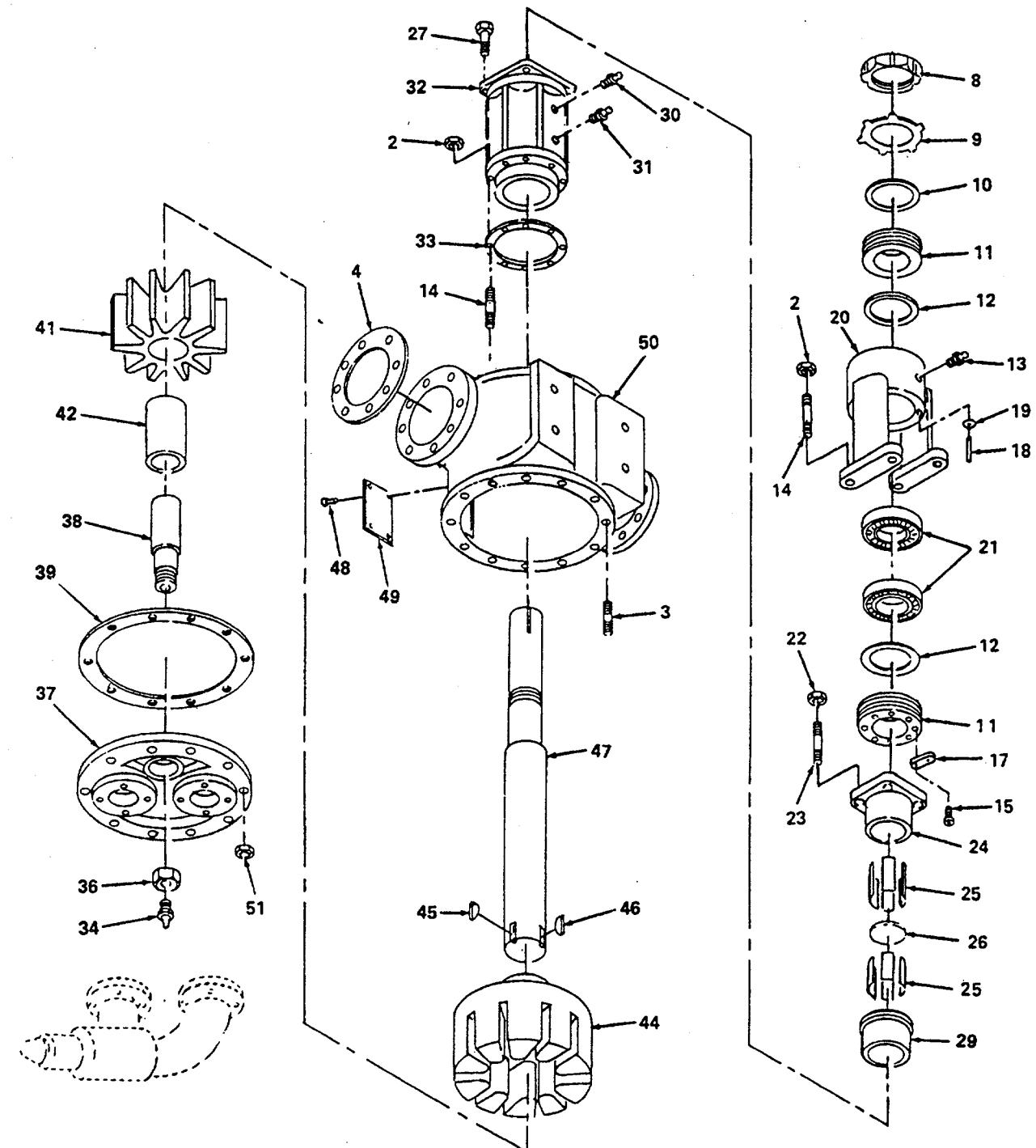


4791-023.1

Figure 23. Pump (Sheet 1 of 2).

SECTION II

TM 55-1930-202-24P

16
17 THRU 1928
29 THRU 3235
36 THRU 3840
41 AND 4243
44 THRU 47

4791-023.2

Figure 23. Pump (Sheet 2 of 2).

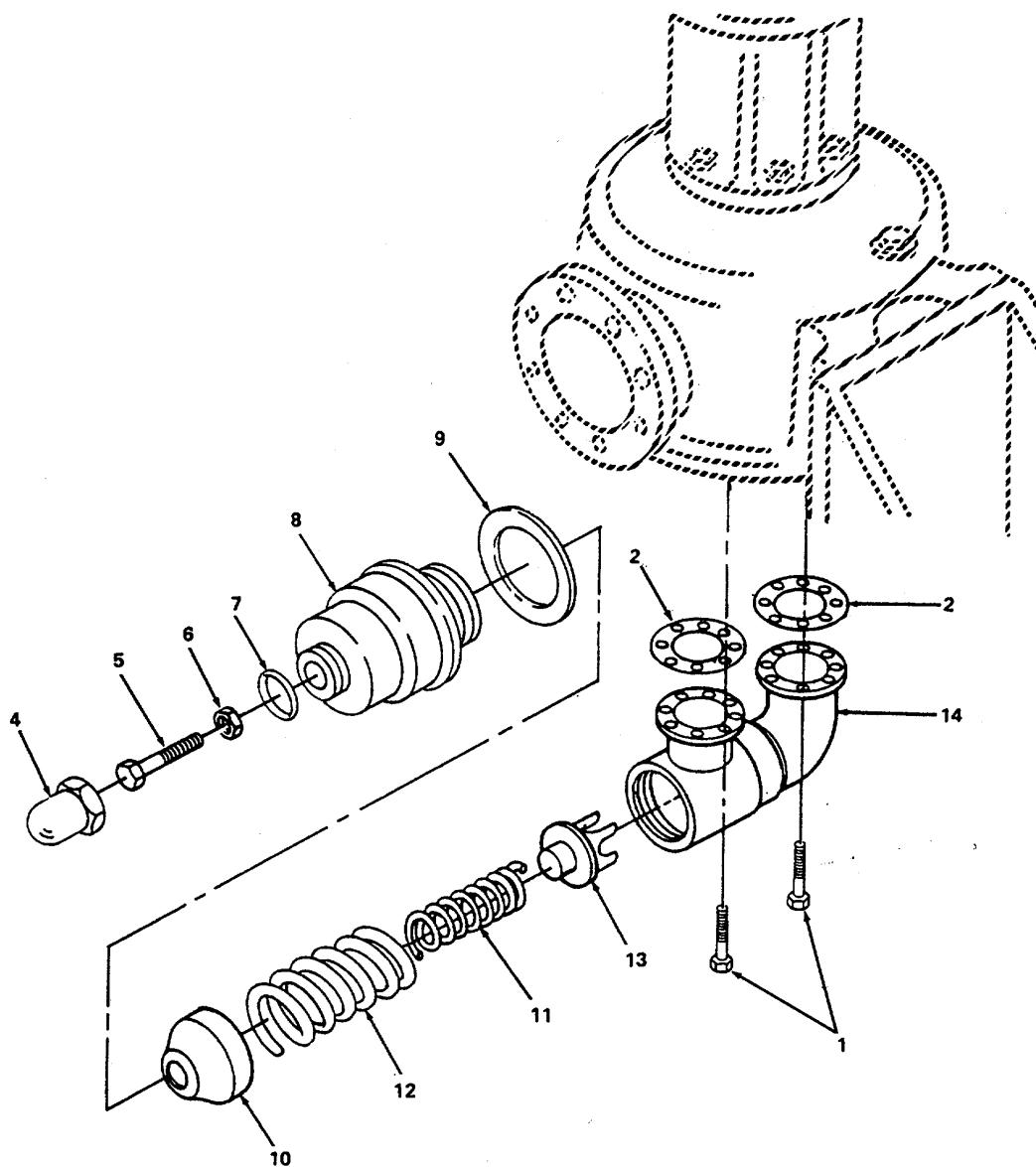
| SECTION II | | | | TM55-1930-202-24P | |
|-------------------|--------------------|------------------------|-----------------------|--------------------------------------------------------|------------|
| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
| GROUP 08 | | | | TRANSFER PUMP | |
| FIG. 23 | | | | PUMP | |
| 1 | XDFHH | 63097 P332 | | .PUMP,OPPOSITE FLANG ED PORTS, 8 IN. NOM. SIZE, VIKING | 1 |
| 2 | XDFZZ | 63097 2-503-013-375C | | .NUT,FLANGE | 16 |
| 3 | XDFZZ | 63097 2-782-017-255C | | .STUD,FLANGE..... | 16 |
| 4 | XDFZZ | 63097 2-314-007-80662C | | .GASKET,PIPE FLANGE..... | 2 |
| 5 | XDFZZ | 63097 2-542-004-376C | | .PLUG,SIDE OF PUMP C ASING | 2 |
| 6 | XDFZZ | 63097 2-542-008-I10C | | .PLUG,INLET AND OUTL ET PORT..... | 2 |
| 7 | XDFZZ | 63097 2-542-013-110C | | .PLUG,TOP OF PUMP CA SING | 1 |
| 8 | XDHZZ | 63097 2-507-011-375 | | .LOCKNUT,SHAFT | 1 |
| 9 | XDHZZ | 63097 2-807-013-375 | | .LOCKWASHER,SHAFT..... | 1 |
| 10 | PBHZZ | 63097 2-288-027-210 | | .COLLAR,BEARING SPAC ER | 1 |
| 11 | XDHZZ | 63097 2-140-014-100 | | .CAP,END,BEARING..... | 2 |
| 12 | XDHZZ | 63097 2-283-042-378 | | .SEAL,BEARING END CA P,STEEL AND | 2 |
| 13 | XDHZZ | 63097 2-469-002-376C | | BUNAN..... | |
| 14 | XDHZZ | 63097 2-782-018-255C | | .FITTING,GREASE,ROTO R BEARING | 1 |
| 15 | XDHZZ | 63097 2-150-050-255C | | SLEEVE..... | |
| 16 | XDHZZ | 63097 3-005-002-640 | | .STUD,ROTOR BEARING SLEEVE/BEARING BRACKET..... | 4 |
| 17 | XDHZZ | 63097 2-005-001-406 | | .CAPSCREW,END CAP LO CK | 2 |
| 18 | XDHZZ | 63097 2-537-006-240 | | .LOCK,END CAP,ASSEMB LY | 1 |
| 19 | XDHZZ | 63097 2-806-014-375C | | ..LOCK,END CAP,BEARIN G | 2 |
| 20 | XDHZZ | 63097 2-082-014-100 | | ..PIN,END CAP..... | 2 |
| 21 | PBHZZ | 63097 2056-008-375 | | .WASHER,END CAP LOCK..... | 3 |
| 22 | XDHZZ | 63097 2-505-010-375C | | .BRACKET,BEARING | 1 |
| 23 | XDHZZ | 63097 2-782-023-375 | | .BEARING,ROLLER (CUP AND CONE) | 2 |
| 24 | XDHZZ | 63097 2-526-003-100 | | .NUT,PACKING GLAND/R OTOR BEARING.... | 2 |
| 25 | PBHZZ | 63097 2-520-020-830C | | SLEEVE..... | |
| 26 | PBHZZ | 63097 2-465-015-100 | | .STUD,PACKING GLAND/ ROTOR BEARING . SLEEVE..... | 1 |
| 27 | XDHZZ | 63097 2-150-036-255C | | .GLAND,PACKING | 1 |
| 28 | PBHHH | 63097 3-589-005-052 | | .PACKING,STANDARD 4-1/2X5-3/4X5/8..... | 8 |
| 29 | XDHZZ | 63097 2-134-001-454 | | .RING,PACKING,LANTER N | 1 |
| 30 | XDHZZ | 63097 2-542-015-376C | | .CAPSCREW,BEARING BR ACKET/ROTOR... | 4 |
| 31 | XDHZZ | 63097 2-469-002-376C | | BEARING SLEEVE..... | |
| 32 | XDHZZ | 63097 2-589-004-100 | | .ROTOR BEARING ASSEM BLY | 1 |
| 33 | XDHZZ | 63097 2-311-009-80608C | | ..BUSHING ROTOR BEARI NG SLEEVE | 1 |
| 34 | XDFZZ | 63097 2-542-001-376C | | ..PLUG,ROTOR BEARING SLEEVE PIPE..... | 1 |
| 35 | PBHZZ | 63097 3-406-003-015 | | ..FITTING,GREASE,BEAR ING | 1 |
| 36 | XDHZZ | 63097 2-506-011-150 | | ..SLEEVE,ROTOR BEARIN G1 | |
| 37 | XDHZZ | 63097 2-406-003-100 | | .GASKET,ROTOR BEARIN G SLEEVE..... | 1 |
| 38 | XDHZZ | 63097 2-448-002-281 | | .PLUG,PIPE,IDLER PIN 1 | |
| 39 | XDHZZ | 63097 2-315-004-806-15 | | .HEAD,JACKETED,ASSEM BLY | 1 |
| 40 | PBHHH | 63097 3-425-002-056-75 | | ..NUT,IDLER PIN..... | 1 |
| 41 | XDHZZ | 63097 2-425-001-100-70 | | ..HEAD,JACKETED,VALVE TYPE..... | 1 |
| | | | | ..PIN,IDLER | 1 |
| | | | | ..GASKET,HEAD | 1 |
| | | | | ..IDLER,ASSEMBLY | 1 |
| | | | | ..IDLER,CAST IRON VIKING PUMP P-332 | 1 |

SECTION II**TM55-1930-202-24P**

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|-------------------|--------------------|------------------------|-------------------------------------------------|---------------------------------------------|------------|
| 42 | XAHZZ | 63097 2-133-004-492-05 | ..BUSHING, IDLER | | 1 |
| 43 | PBHMH | 63097 3-580-151-031 | .ROTOR, ASSEMBLY | | 1 |
| 44 | XDHZZ | 63097 2-580-002-100 | ..ROTOR, PUMP | | 1 |
| 45 | XDHZZ | 63097 2-596-035-376C | ..KEY, ROTOR | | 2 |
| 46 | XDHZZ | 63097 2-460-018-375 | ..KEY, ROTOR | | 1 |
| 47 | XDHZZ | 63097 2-732-002-250 | ..SHAFT, ROTOR | | 1 |
| 48 | XDHZZ | 63097 2-595-208-610 | .SCREW, NAMEPLATE | | 2 |
| 49 | XDFZZ | 63097 2-500-057-610C | .NAMEPLATE, VIKING PU | | 1 |
| 50 | XDHZZ | 63097 2-261-001-100 | .CASING, PUMP, 8 IN. 0 PPOSITE PORT | | 1 |
| 51 | XDHZZ | 63097 2-503-013-375C | .NUT, CASING AND ROTO R BEARING SLEEVE | | 6 |

END OF FIGURE

3
'4 THRU14'



4791-024

Figure 24. Relief Valve.

| SECTION II | | (3) | (4) PART NUMBER | (5) | (6) |
|------------------------|--------------------|------------------------|-----------------------|---------------------------------------|-----|
| (1) ITEM NO | (2) SMR CODE | CAGEC | | DESCRIPTION AND USABLE ON CODES(UOC) | QTY |
| GROUP 08 TRANSFER PUMP | | | | | |
| FIG. 24 RELIEF VALVE | | | | | |
| 1 | XDFZZ | 63097 2-150-031-255 | | .CAPSCREW,RELIEF VAL VE TO PUMP | 24 |
| | | | HEAD | | |
| 2 | XDFZZ | 63097 2-315-003-80615C | | .GASKET,RELIEF VALVE2 | 2 |
| 3 | XDFFF | 63097 LM3795903 | | .VALVE,RELIEF,FOR VI KING PUMP P332 | 1 |
| 4 | XDFZZ | 63097 2-798-015-100 | | CAP,ADJUSTING SCREW | 1 |
| 5 | XDFZZ | 63097 2-595-012-376 | | SCREW,ADJUSTING | 1 |
| 6 | XDFZZ | 63097 2-799-033-376 | | LOCKNUT,ADJUSTING S CREW | 1 |
| 7 | XDFZZ | 63097 2-305-020-806-62 | | GASKET,ADJUSTING SCREW CAP | 1 |
| 8 | XDFZZ | 63097 2-797-013-100 | | BONNET,RELIEF VALVE | 1 |
| 9 | XDFZZ | 63097 2-306-017-806-62 | | GASKET,BONNET/BODY | 1 |
| 10 | XDFZZ | 63097 2-799-040-100 | | GUIDE,SPRING..... | 1 |
| 11 | XDFZZ | 63097 2-765-007-371 | | SPRING,INNER..... | 1 |
| 12 | PBFZZ | 63097 2-765-006-371 | | SPRING,OUTER | 1 |
| 13 | XDFZZ | 63097 2-762-024-100 | | POPPET,RELIEF VALVE | 1 |
| 14 | XDFZZ | 63097 2-795-031-100 | | BODY,RELIEF VALVE..... | 1 |

END OF FIGURE

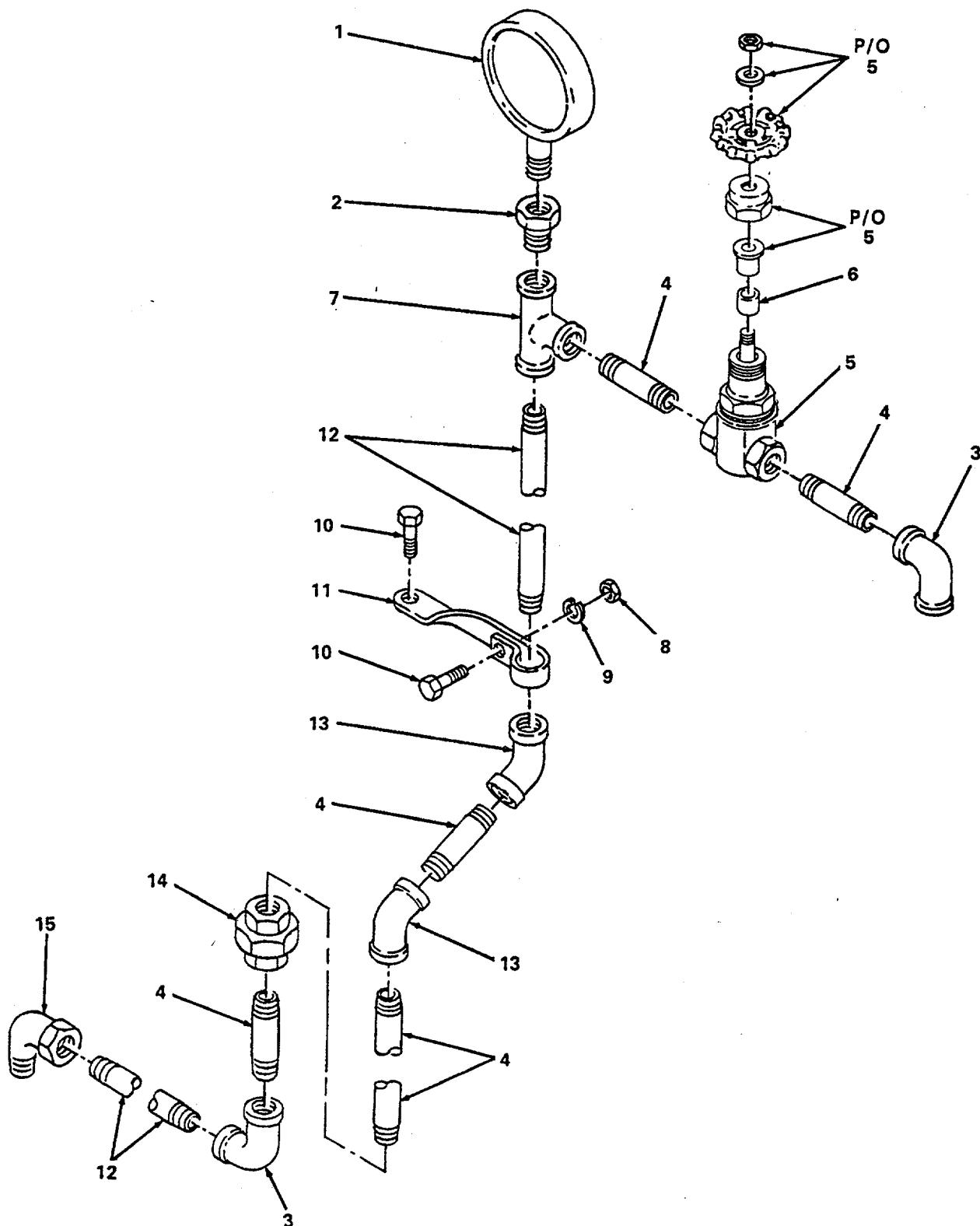


Figure 25. Pressure Gage.

SECTION II**TM55-1930-202-24P**

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) QTY | (6) |
|------------------------|--------------------|----------------------|-----------------------------------------------------|-------------------------------------------------|-----|
| GROUP 08 TRANSFER PUMP | | | | | |
| FIG. 25 PRESSURE GAUGE | | | | | |
| | | | | | |
| 1 | XDFZZ | 90854 H0052 | .GAGE,PRESSURE,FUEL TRANSFER PUMP | 1 | |
| 2 | XDFZZ | 80204 ANS15163 | .REDUCER,PRESSURE GAUGE 1 | | |
| 3 | XDFZZ | 80204 ANSIB1613 | .ELBOW,90 DEG,PRESSURE GAGE,1/2 IN | 3 | |
| 4 | PAFZZ | 96906 MS51846A-60 | .NIPPLE,PRESSURE GAUGE, 1/2 IN X 1 1/2 IN LNG | 4 | |
| 5 | XDFZZ | 82666 FIGB103 | .VALVE,GATE, 1/2 IN, | | |
| 6 | XDFZZ | 82666 FIG103/B13-175 | PACKING,GATE VALVE | | 1 |
| 7 | XDFZZ | 80204 ANS1B163 | .TEE,PRESSURE GAUGE, 1/2 X 1/2 X 1/2 | 1 | |
| 8 | PAFZZ | 96906 MS51968-2 | .NUT,PLAIN,HEXAGON..... | | 9 |
| 9 | PAFZZ | 96906 MS35338-139 | .WASHER,LOCK 1 | | |
| 10 | PAFZZ | 96906 MS90725-26 | .SCREW,CAP,HEXAGON H..... | 2 | |
| 11 | XDFZZ | 96906 MS9552-206 | .BRACKET,FLAT 1 | | |
| 12 | XDFZZ | 80204 ANSIB31.1 | .PIPE,1/2 IN,PRESSUR..... | 3 | |
| 13 | XDFZZ | 80204 ANSIB31.1 | .ELBOW,1/2 IN,45 DEG | 2 | |
| 14 | XDFZZ | 81348 WWU5310STA | .UNION 1/2 IN,PRESSURE GAUGE | 1 | |
| 15 | PAFZZ | 96906 MS39230-4 | .ELBOW,PIPE 1/2 IN 1 | | |

END OF FIGURE

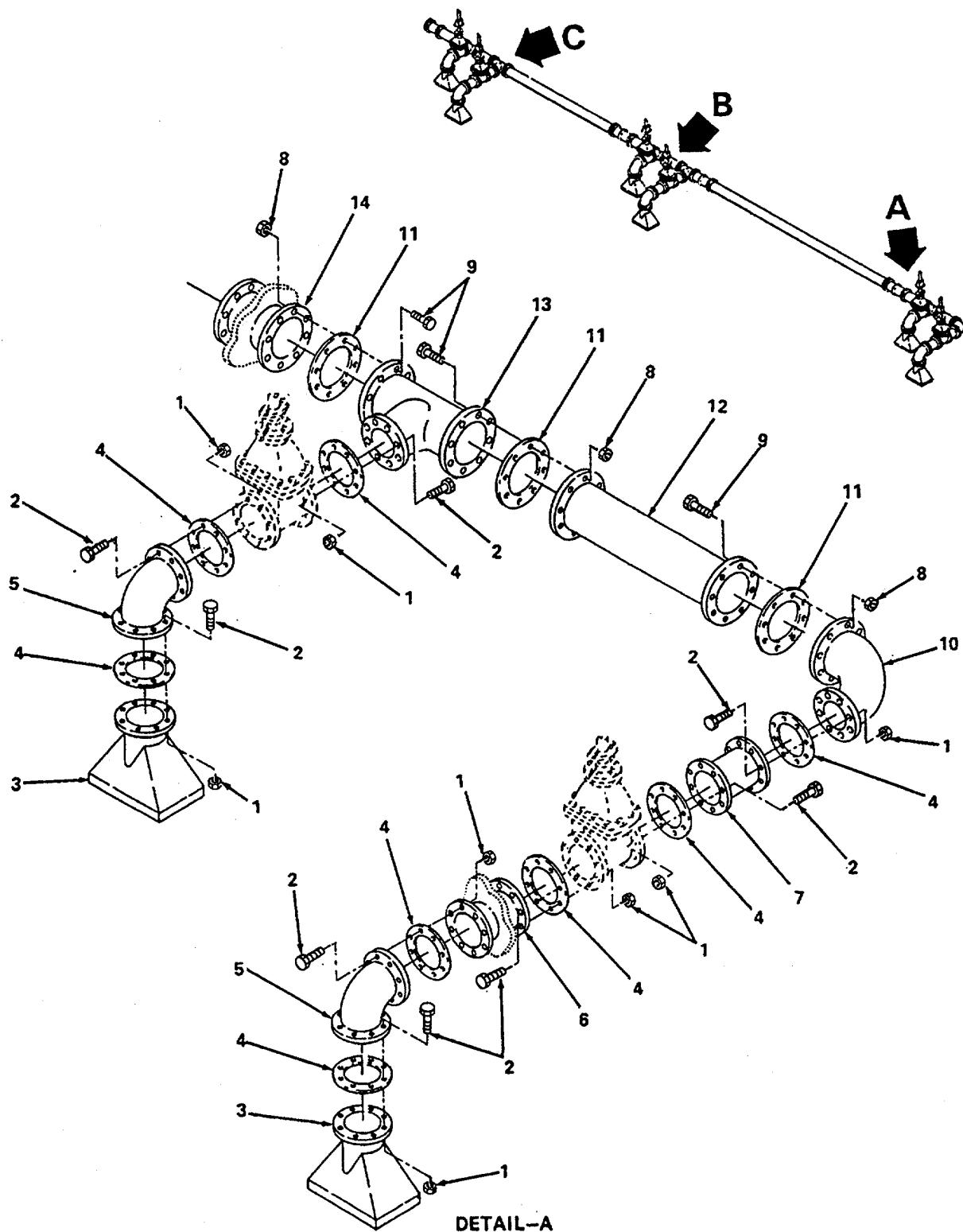


Figure 26. Cargo Transfer Piping (Sheet 1 of 3).

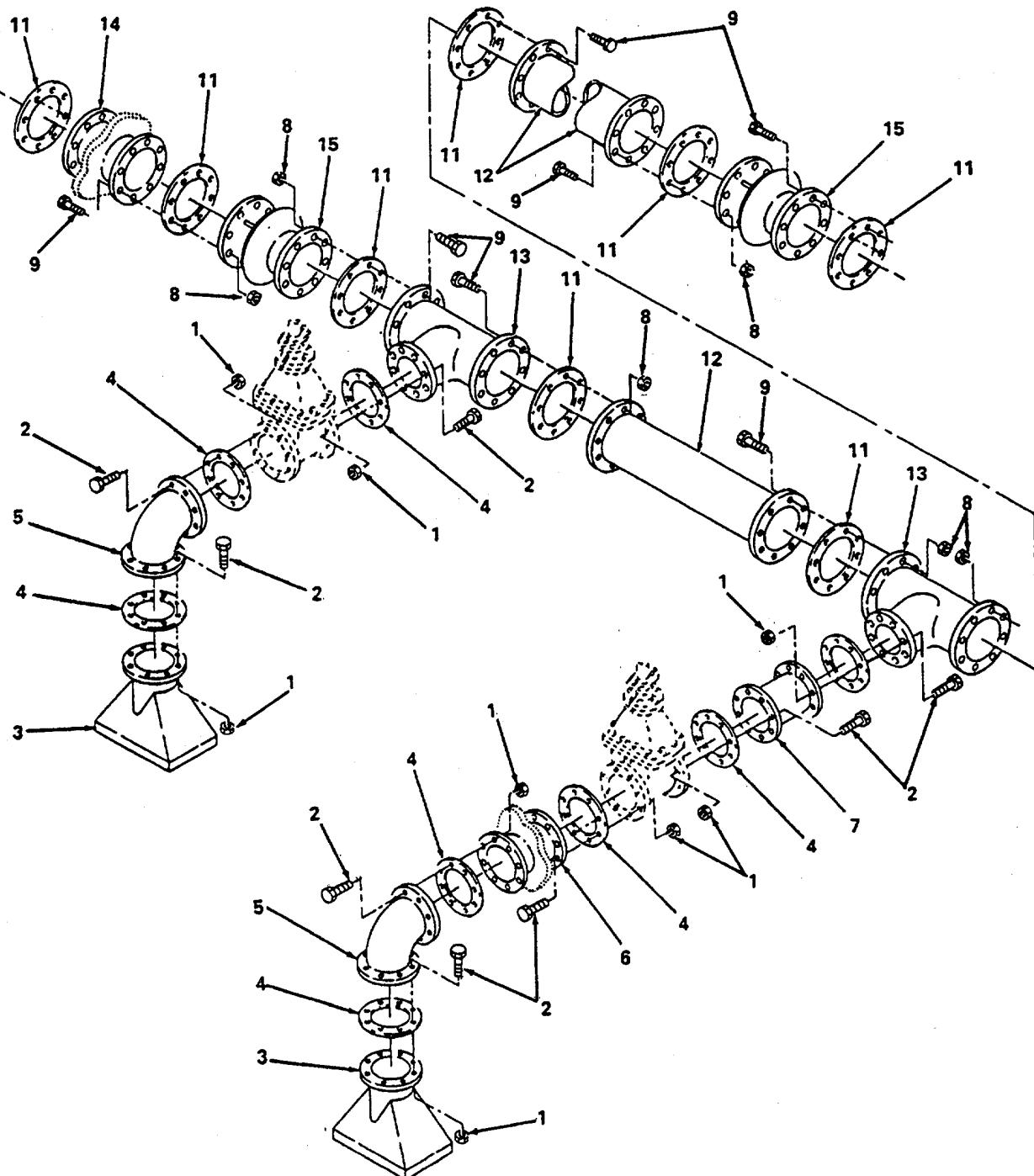


Figure 26. Cargo Transfer Piping (Sheet 2 of 3).

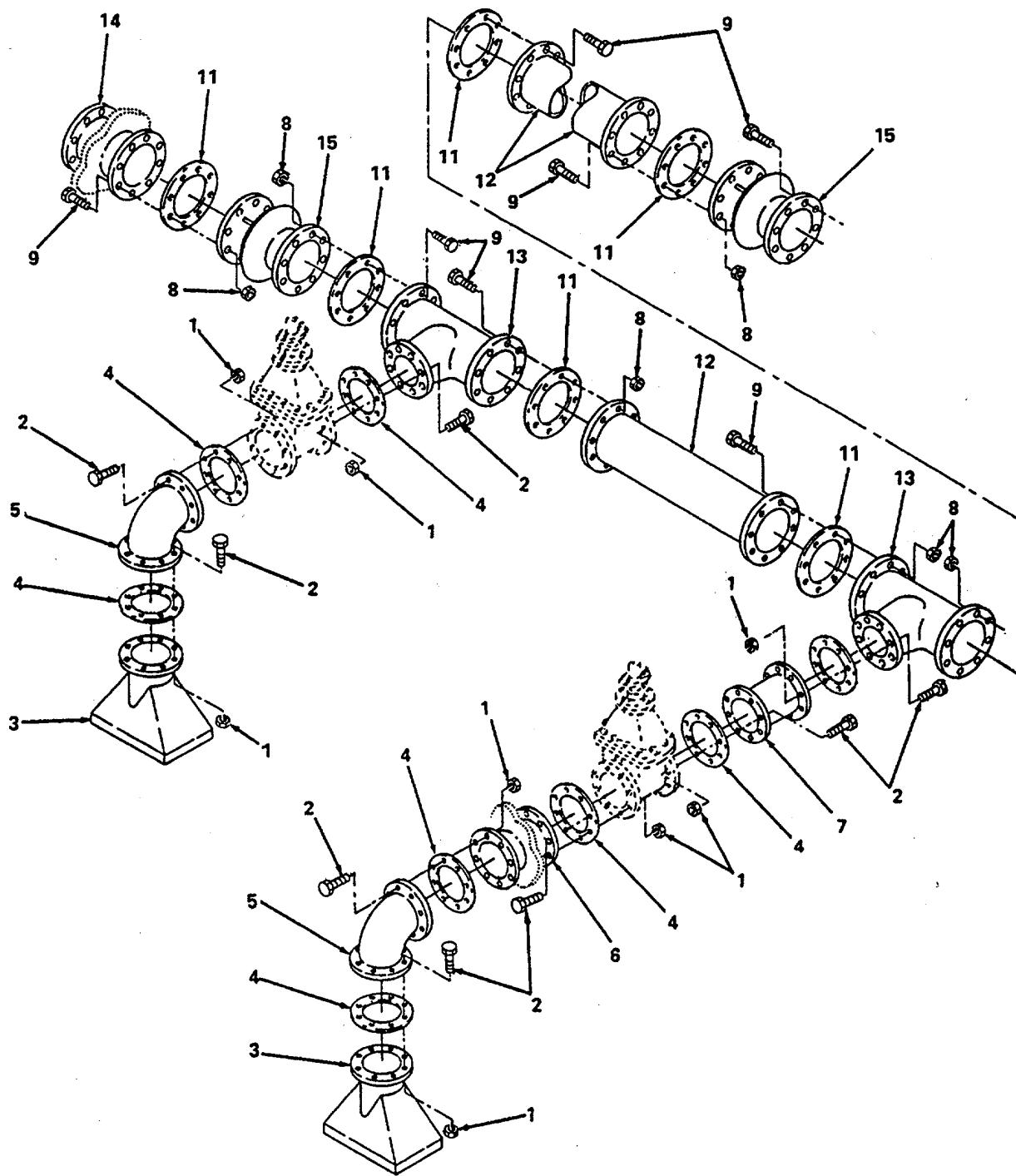


Figure 26. Cargo Transfer Piping (Sheet 3 of 3).

SECTION II**TM55-1930-202-24P**

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) QTY | (6) |
|-------------------------------|--------------------|--------------|-----------------------|-------------------------------------------------------|-----|
| GROUP 12 TRANSFER PIPING | | | | | |
| FIG. 26 CARGO TRANSFER PIPING | | | | | |
| 1 | PBHZZ | 96906 | MS51971-1 | .NUT, HEXAGON SIZE 1/4 20THD 296 | |
| 2 | XDHZZ | 96906 | MS35307-319 | .SCREW,CAP,HEXAGON H..... 296 | |
| 3 | XDHZZ | 97403 | 231B9-38 | .BELLMOUTH,FUEL TRAN 6 IN..... 6 | |
| 4 | XDHZZ | 97403 | 231B9-46 | .GASKET,ASB,FUEL TRA 6 IN 23 | |
| 5 | XDHZZ | 80204 | ANSIB31.1 | .ELBOW,FLGD,FUEL TRA NSFER 6 IN..... 5 | |
| 6 | XDHZZ | 80204 | ANSIB31.1 | .FLG,BULKHD,FUEL TRA 6 IN..... 3 | |
| 7 | XDHZZ | 80204 | ANSIB31.1 | .PIPE,FLANGED CARGO, 6 IN 6 | |
| 8 | PAHZZ | 96906 | MS35650-3394 | .NUT,PLAIN,HEXAGON PIPING 1/2 IN 10 | |
| 9 | XDHZZ | 96906 | MS35764-1449 | .BOLT,SELF-LOCKING 1/2 IN X 3 1/2 10 IN L | |
| 10 | XDHZZ | 80204 | ANSIB31.1 | .ELBOW,FLGD,FUEL TRA 6 IN (REDUCER 6 IN X 8 IN.) | 1 |
| 11 | XDHZZ | 97403 | 231B9-32 | .GASKET,ASBESTOS, 8 IN 19 | |
| 12 | XDHZZ | 80204 | ANSIB31.1 | .PIPE,FLANGED CARGO, 8 IN 17 | |
| 13 | XDHZZ | 80204 | ANSIB31.1 | .TEE,FLGD,FUEL TRANS FER 8 IN X 8..... 5 IN X 6 IN | |
| 14 | XDHZZ | 80204 | ANSIB31.1 | .FLG,BULKHD,FUEL TRA SFER PIPING 8.4 INN | |
| 15 | XDHZZ | 02056 | S11N100 | .EXPANSION COUPLER FUEL TRANSFER 6 | |

END OF FIGURE

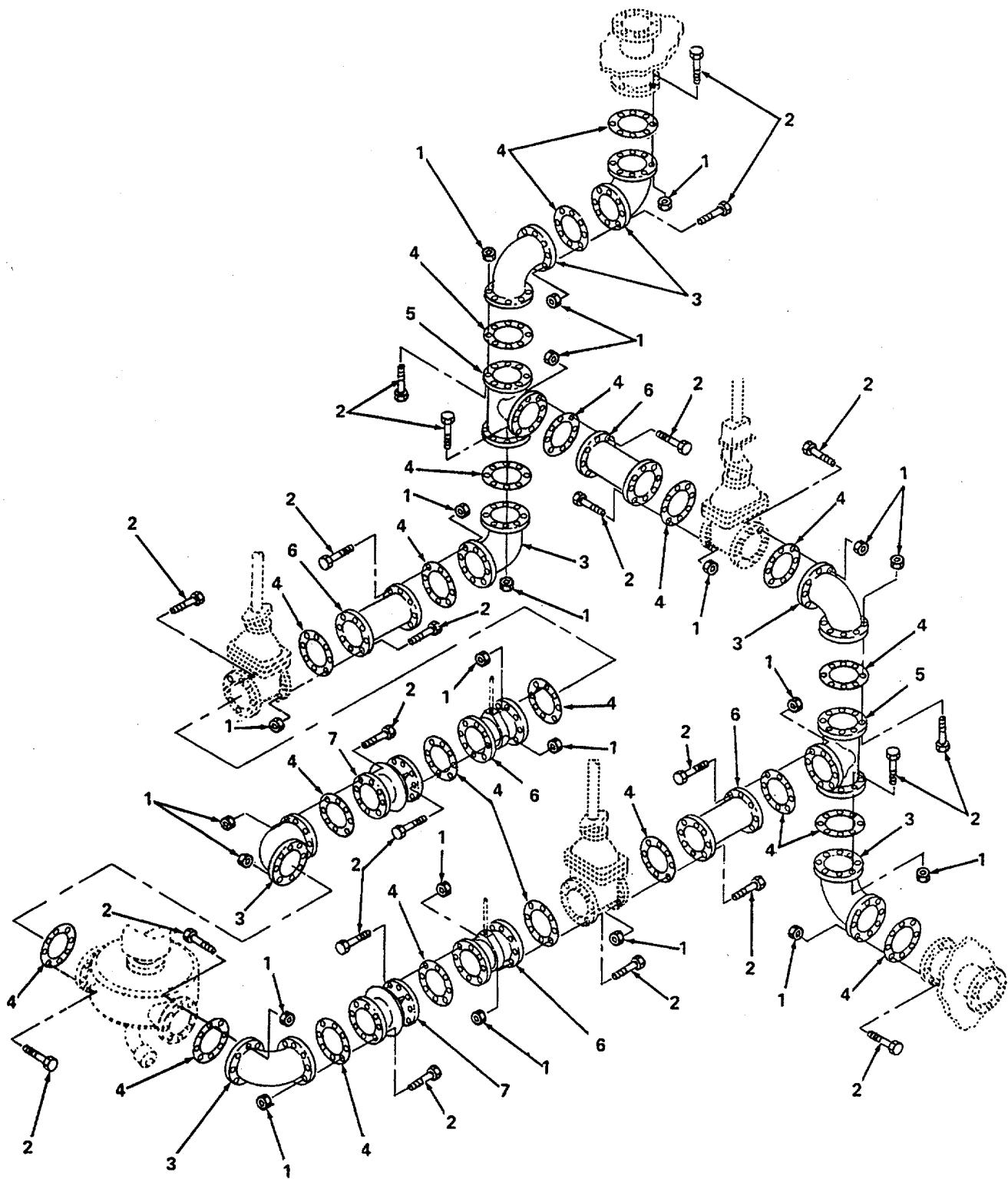


Figure 27. Pump Room Piping.

SECTION II**TM55-1930-202-24P**

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|--------------------------|--------------------|--------------|-----------------------|---------------------------------------------|------------|
| GROUP 12 TRANSFER PIPING | | | | | |
| FIG. 27 PUMP ROOM PIPING | | | | | |
| 1 | PBHZZ | 96906 | MS51971-1 | .NUT, HEXAGON SIZE 1/4 20THD..... | 176 |
| 2 | XDHZZ | 96906 | MS35307-319 | .BOLT,MACH, PUMP ROO..... | 176 |
| 3 | XDHZZ | 80204 | ANSIB31.1 | .ELBOW,90 DEG,8 IN, | 7 |
| 4 | XDHZZ | 97403 | 231B9-45 | .GASKET,8 IN ASB, PU..... | 22 |
| 5 | XDHZZ | 80204 | ANSIB31.1 | .TEE,8 IN,FLGD, PUMP | 2 |
| 6 | XDHZZ | 80204 | ANSIB31.1 | .PIPE,8 IN ID,STD BLK,WELDED FLGS | 5 |
| 7 | XDHZZ | 02056 | SIIN100 | .COUPLER,EXPANSION, 8 IN..... | 2 |

END OF FIGURE

1
2 THRU 4
20
21 THRU 25

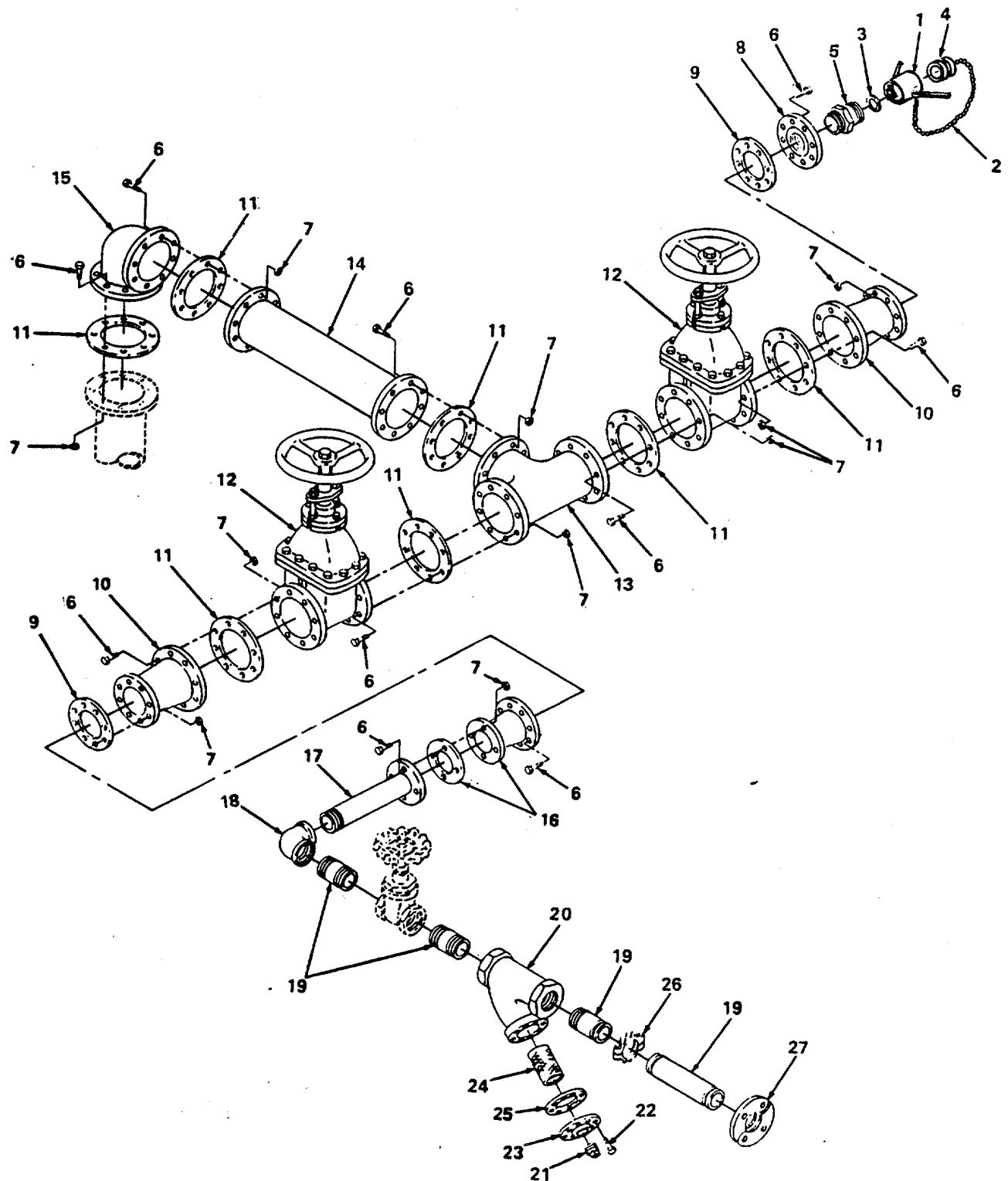


Figure 28. Deck Transfer Piping.

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|------------------------------|--------------------|--------------|-------------------------|----------------------------------------------------------------------------|------------|
| GROUP 12 TRANSFER PIPING | | | | | |
| FIG. 28 DECK TRANSFER PIPING | | | | | |
| 1 | PAHZZ | 96906 | MS27024-18 | .COUPLING HALF,QUICK..... | 1 |
| 2 | PAHZZ | 81348 | TYPE2,CL2,TRADE NO.4 | ..CHAIN,WELDLESS,ON D | 1 |
| 3 | PAHZZ | 96906 | MS27030-9 | GASKET..... | 1 |
| 4 | XDHZZ | 96906 | MS27029-18NPN | CAP,DUST,ON DECK FU 3 IN | 1 |
| 5 | XDCZZ | 96906 | MS51953-270 | .NIPPLE,PIPE 4INX61N | 1 |
| 6 | XDHZZ | 96906 | MS35307-319 | .SCREW,CAP,HEXAGON H 1/4 IN X 3 1/ 4 IN LNG | 64 |
| 7 | PBHZZ | 96906 | MS51971-1 | .NUT,PLAIN,HEXAGON SIZE 1/4 20THD... | 64 |
| 8 | XDHZZ | 97403 | 13222E5955-FL1 | .6" BLIND FLANGED, 125 LB, WELDED.... NIPPLE | 1 |
| 9 | XDHZZ | 97403 | 231B9-46 | .GASKET,ASB,ON DECK 6 IN | 1 |
| 10 | XDHZZ | 97403 | 13222E5955-F4 | .8" X 6" REDUCER, 125 LB | 1 |
| 11 | XBHZZ | 97403 | 231B9-45 | .GASKET,ASB,ON DECK 8 IN | 7 |
| 12 | XDHZZ | 93115 | 1949 | .PLUG VALVE,ON DECK 8 IN, FLGD | 2 |
| 13 | XDHZZ | 97403 | 13222E5955-F3 | .8" TEE, FLANGED, 125 LB | 1 |
| 14 | XDHZZ | 97403 | 13222E5955-P1 | .8" PIPE WELDED FLG..... | 1 |
| 15 | XDHZZ | 97403 | 13222E5955-F2 | .90 DEGREE ELBOW 8" FLANGED, 125 LB | 1 |
| 16 | XDHZZ | 97403 | 13222E5955-F5 | .6" X 3" REDUCER W/GRADE T GASKET. | 1 |
| 17 | XDHZZ | 97403 | 13222E5955-FL2 | .FLANGE 3IN SCREW ON | 1 |
| 18 | XDHZZ | 97403 | 13222E5955-F6 | .3" 90 DEG STREET ELBOW, 150LB..... SCREWED..... | 1 |
| 19 | XDHZZ | 97403 | 13222E5955-P5 | .3" PIPE THD BOTH ENDS FOR ON DECK FUEL TRANSFER | 1 |
| 20 | XDHHH | 53059 | M16293C45 | STRAINER, "Y", ON | 1 |
| 21 | PAHZZ | 96906 | MS9015-14 | .PLUG,PIPE, "Y" STRA INER..... | 11 |
| 22 | XDHZZ | 96906 | MS9093-11 | .BOLT,MACHINE INER | 8 |
| 23 | XDHZZ | 53059 | CAP3AF250 | .FLANGE,CAP,"Y" STRA INER | 1 |
| 24 | XDHZZ | 53059 | 118PERFSS3AF250 | .STRAINER,ON "Y" STRAINER | 1 |
| 25 | XDHZZ | 53059 | GAS3AF250 | .GASKET,"Y" STRAINER | 1 |
| 26 | XDHZZ | 79154 | STYLE77 | .COUPLING,VICTAULIC, ON DECK FUEL. TRANSFER,3 IN (W/GR "T" GASKET)..... | 1 |
| 27 | XDHZZ | 79154 | STYLE741 | .FIG,VICTAULIC,ON DE 3 IN, 125 LB, W/ GR "T" GASKET | 1 |

END OF FIGURE

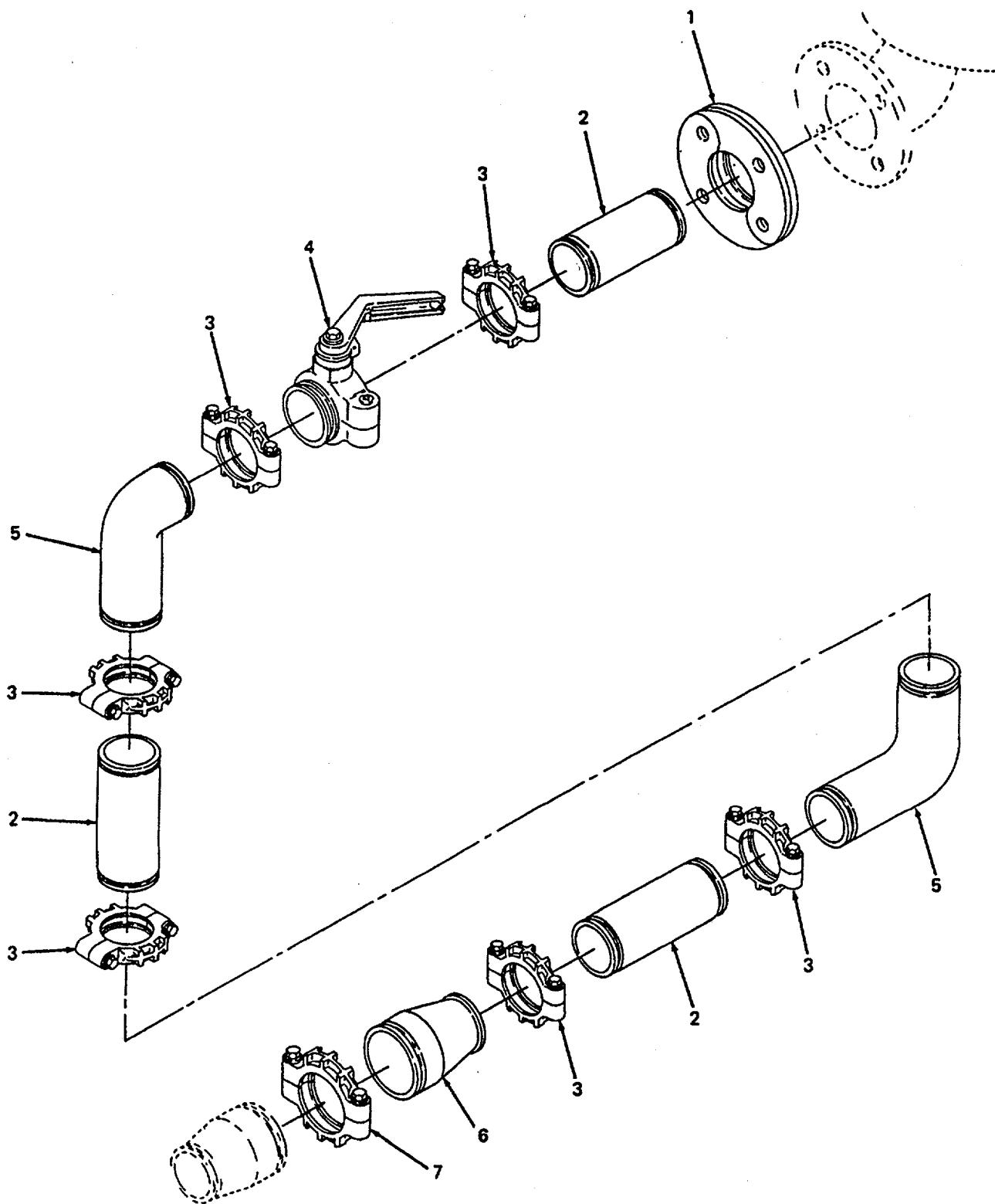


Figure 29. Fuel Separator Outlet.

4791-029

SECTION II**TM55-1930-202-24P**

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) QTY | (6) |
|-------------------------------|--------------------|--------------|-----------------------|---------------------------------------------------------------------------|-----|
| GROUP 12 TRANSFER PIPING | | | | | |
| FIG. 29 FUEL SEPARATOR OUTLET | | | | | |
| 1 | XDHZZ | 79154 | STYLE77 | .COUPLING,VICTAULIC, 4 IN,W/GR "T" GASKET..... | 1 |
| 2 | XDHZZ | 80204 | ANSIB31.1 | .PIPE,STD BLK, FUEL 3 1/2 IN OD..... | 1 |
| 3 | XDHZZ | 79154 | STYLE77 | .COUPLING,VICTAULIC, 4 IN, W/GR | 1 |
| 4 | XDHZZ | 79154 | SERIES700 | "T" GASKET | |
| 5 | XDHZZ | 80204 | ANSIB31.1 | .VALVE,BUTTERFLY,FUE 3 IN, LATCH LOCK HANDLE W/GR "T" GASKET..... | 1 |
| 6 | XDHZZ | 79154 | STYLE50 | .ELBOW,90 DEG STD BL FITTED FOR.... | 2 |
| 7 | XDHZZ | 79154 | STYLE77 | VICTAULIC COUPLING | |
| | | | | .REDUCER,VICTAULIC, 6 IN X 3 IN | 2 |
| | | | | .COUPLING,VICTAULIC, 6 IN W/GR "T" GASKET..... | 2 |

END OF FIGURE

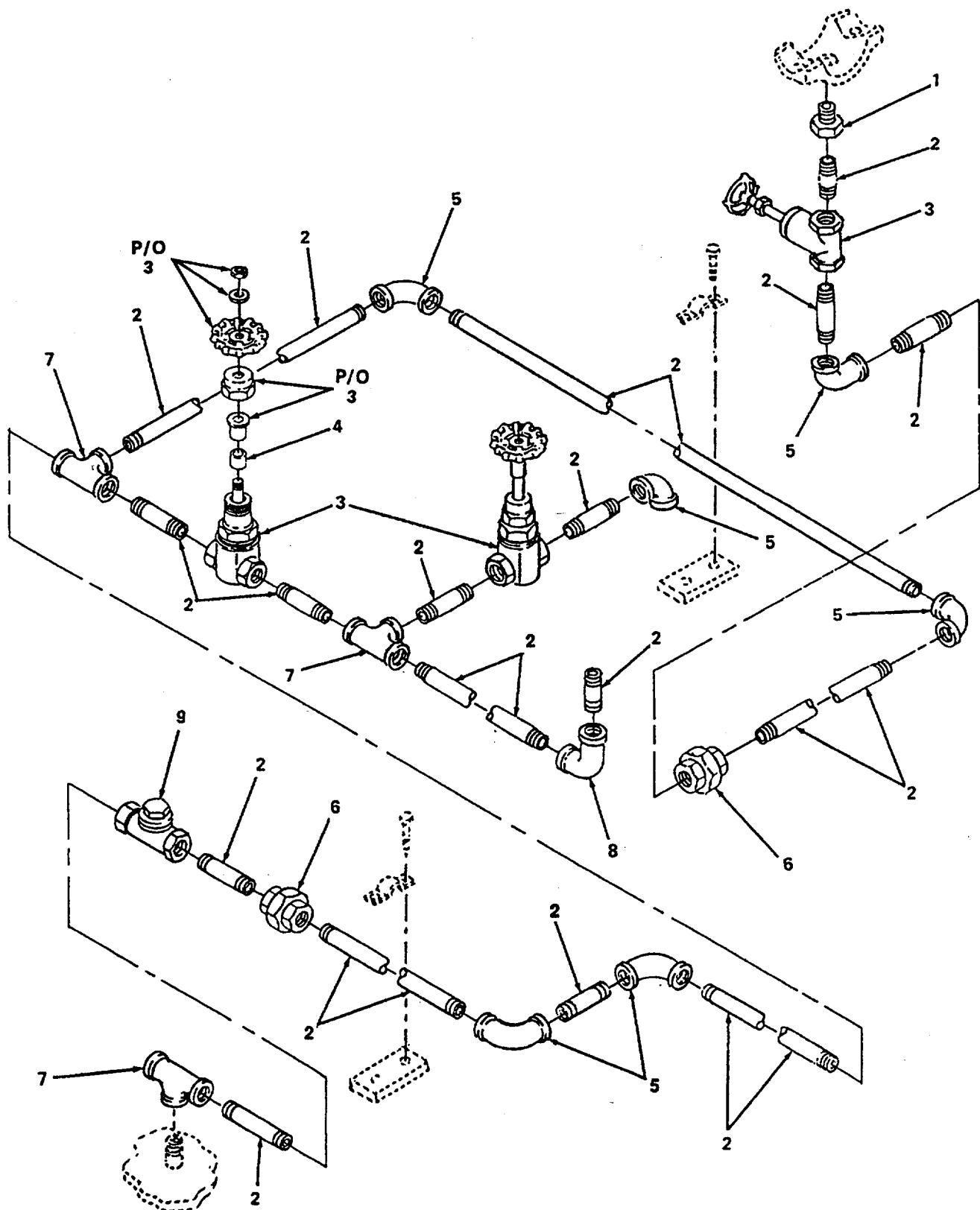


Figure 30. Manifold Drain.

SECTION II**TM55-1930-202-24P**

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|--------------------------|--------------------|--------------|-----------------------|---------------------------------------------------------------|------------|
| GROUP 12 TRANSFER PIPING | | | | | |
| FIG. 30 MANIFOLD DRAIN | | | | | |
| 1 | XDHZZ | 82666 | FIG181 | .BUSHING,MANIFOLD DR AIN,I 1/2 IN X 1 IN OUTSIDE HEX | 1 |
| 2 | XDHZZ | 81348 | WWP406 | .PIPE,MANIFOLD DRAIN 1 IN..... | 13 |
| 3 | XDHZZ | 82666 | FIG8103 | .VALVE,GATE,MANIFOLD DRAIN,1 IN,..... SCWD..... | 2 |
| 4 | XDHZZ | 82666 | 71G103/B13-175 | PACKING,VALVE,MANIF OLD DRAIN | 1 |
| 5 | XDHZZ | 80204 | ANSIB16.3 | .ELBOW,MANIFOLD DRAI N, 90 DEG 1 IN 150 LB SCWD | 4 |
| 6 | XDHZZ | 81348 | WWU531-05-T-A | .UNION,MANIFOLD DRAI N,1 IN 150 LB SCWD..... | 1 |
| 7 | XDHZZ | 80204 | ANSIB16.3 | .TEE,MANIFOLD DRAIN 1 IN 150 LB SCRWD | 3 |
| 8 | XDHZZ | 80204 | ANSIB16.3 | .ELBOW STREET,MANIFO LD,90 DEG 1 IN 150 LB SCRWD..... | 1 |
| 9 | XDHZZ | 82666 | FIGB319 | CHECK VALVE,MANIFOL D,1 IN SWING, SCWD..... | 1 |

END OF FIGURE

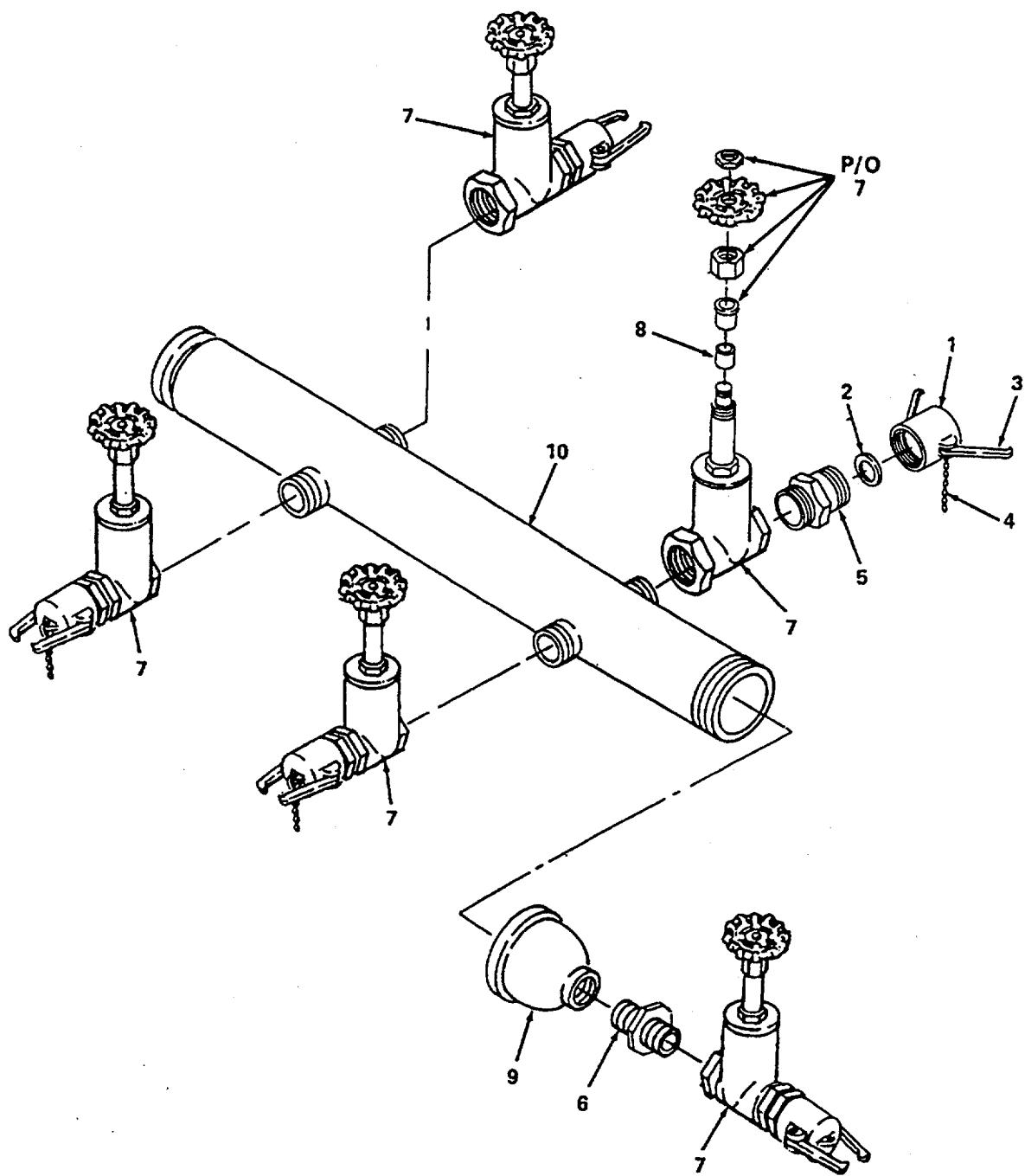


Figure 31. Manifold.

4791-031

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) QTY | (6) |
|--------------------------|--------------------|--------------|-----------------------------|--------------------------------------------------------------------|-----|
| GROUP 12 TRANSFER PIPING | | | | | |
| FIG. 31 MANIFOLD | | | | | |
| | | | | | |
| 1 | XDHZZ | 24181 | 7239 | .CAP,DUST,FUEL OIL DISCHARGE 5 MANIFOLD 1 1/2 IN | |
| 2 | XDHZZ | 96906 | MS27030-9 | GASKET MANIFOLD..... 5 | |
| 3 | PAHZZ | 96906 | MS87006-2 | .HOOK,CHAIN,S 10 | |
| 4 | PAHZZ | 81348 | RR-C-271,TYPE 2, CLASS 3 | .CHAIN,WELDLESS OIL MANIFOLD 5 DISCHARGE | |
| 5 | XDHZZ | 24181 | 723918 | .ADAPTER,FUEL OIL DISCHARGE 5 MANIFOLD,EXT THD | |
| 6 | XDHZZ | 80204 | ANSIA106 | .NIPPLE,FUEL OIL DISCHARGE 1 MANIFOLD,1 1/2 IN EXT THD | |
| 7 | XDHZZ | 82666 | FIGB103 | .VALVE,GATE,FUEL OIL DISCHARGE 5 MANIFOLD 1 1/2 IN BRONZE | |
| 8 | XDHZZ | 82666 | FIGB1O3-P | PACKING,VALVE..... 1 | |
| 9 | XDHZZ | 80204 | ANS1516.3 | .REDUCER,MANIFOLD FUEL OIL..... 1 DISCHARGE 4 IN X 1 1/2 IN | |
| 10 | XDHZZ | 97403 | 13222E5954 | .MANIFOLD,FUEL OIL DISCHARGE 1 | |

END OF FIGURE

1
II
2 THRU 8

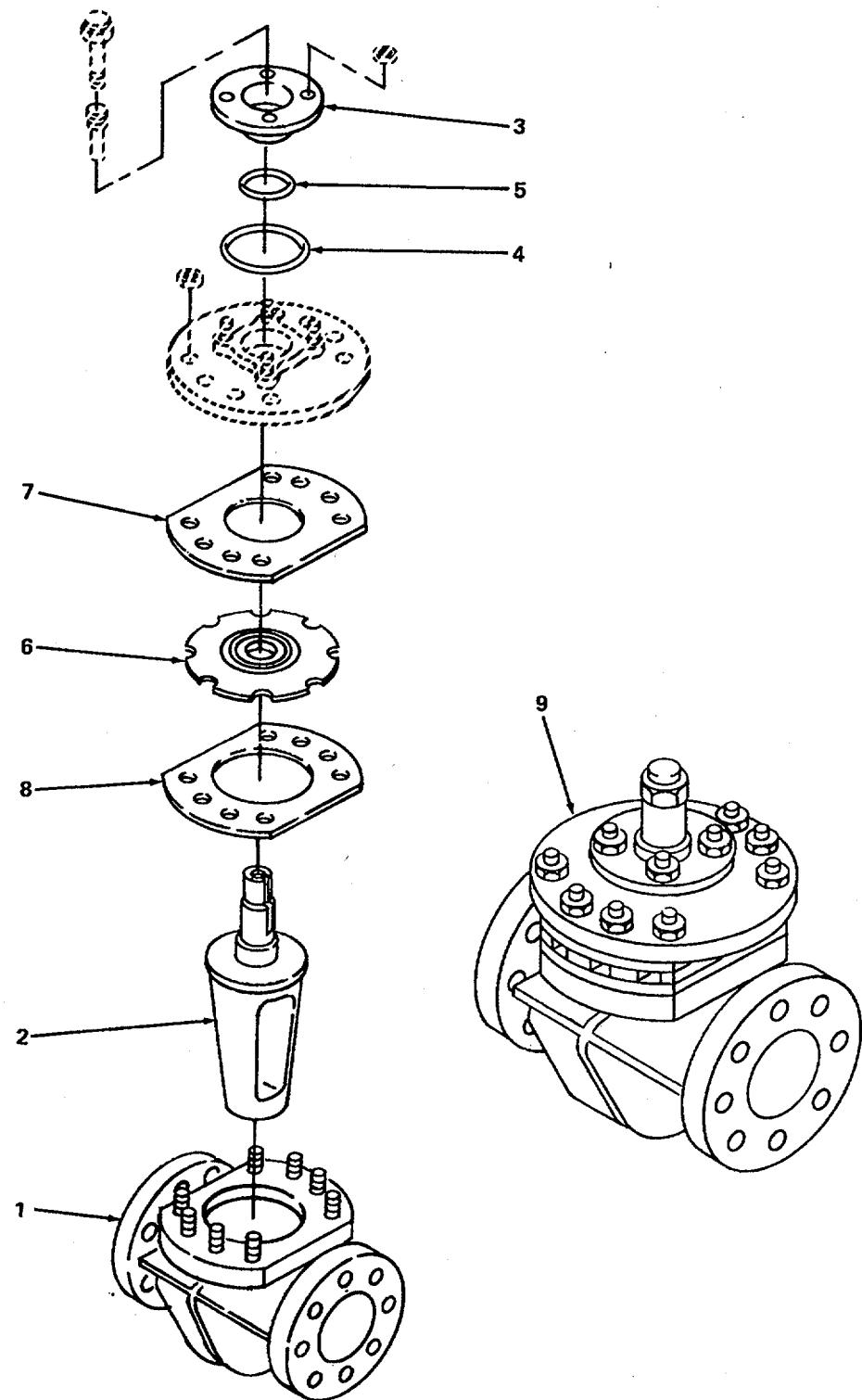


Figure 32. Valves.

SECTION II**TM55-1930-202-24P**

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|--------------------------|--------------------|--------------|-----------------------|---------------------------------------------|------------|
| GROUP 12 TRANSFER PIPING | | | | | |
| FIG. 32 VALVES | | | | | |
| 1 | XDHHH | 93115 | MDL143 | VALVE,CARGO PIPING, 8 IN | 3 |
| 2 | XDHZZ | 93115 | 114707 | .PLUG,VALVE,CARGO P IPING,8 IN..... | 1 |
| 3 | XDHZZ | 93115 | 115955 | GLAND,VALVE,CARGO P IPING..... | 1 |
| 4 | XDHZZ | 93115 | 934039 | .0 RING,INSIDE,VALV | 3 |
| 5 | XDHZZ | 93115 | 934046 | .0 RING,OUTSIDE,VAL..... | 1 |
| 6 | XDHZZ | 93115 | 75661 | .DIAPHRAGM,VALVE,CAR GO PIPING | 1 |
| 7 | XDHZZ | 93115 | 56175 | .GASKET,FULL,CARGO P IPING VALVE... | 1 |
| 8 | XDHZZ | 93115 | 56176 | .GASKET,RING,VALVE,C ARGO PIPING... | 1 |
| 9 | XDHHH | 93115 | MDL143 | VALVE,FUEL TRANSFER PIPING,6 IN | 6 |

END OF FIGURE

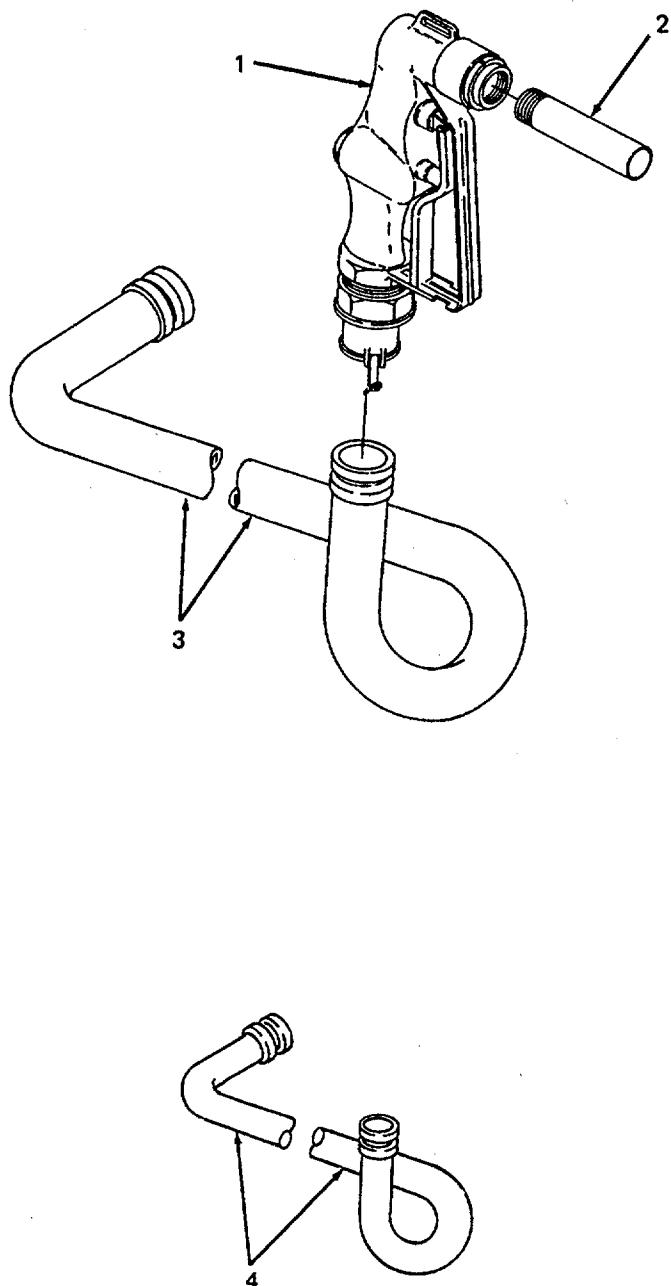


Figure 33. Hoses, Nozzles.

4791-033

SECTION II**TM55-1930-202-24P**

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|--------------------------|--------------------|--------------|-------------------------------------|----------------------------------------------------------------------------------------------|------------|
| GROUP 12 TRANSFER PIPING | | | | | |
| FIG. 33 HOSES, NOZZLES | | | | | |
| 1 | PACZZ | 81718 | OPW1290 | .NOZZLE,FUEL DISPENS ING..... | 1 |
| 2 | PACZZ | 81718 | 5D | ..SPOUT,NOZZLE | 1 |
| 3 | XDCZZ | 24161 | 9200SB | .HOSE,CARGO FILL ,4 IN ID X 50 FT W/SWAGED ON NIPPLES..... | 1 |
| 4 | XDCZZ | 81349 | MIL-H-370 TYPE 2 CLASS 1 STYLE A | .HOSE ASSEMBLY,NONME ASSY 1 1/2 IN ID X 20 FT TYPEII,SIZE5,CL1,STYLEA, BRZ(52993)..... | 1 |

END OF FIGURE

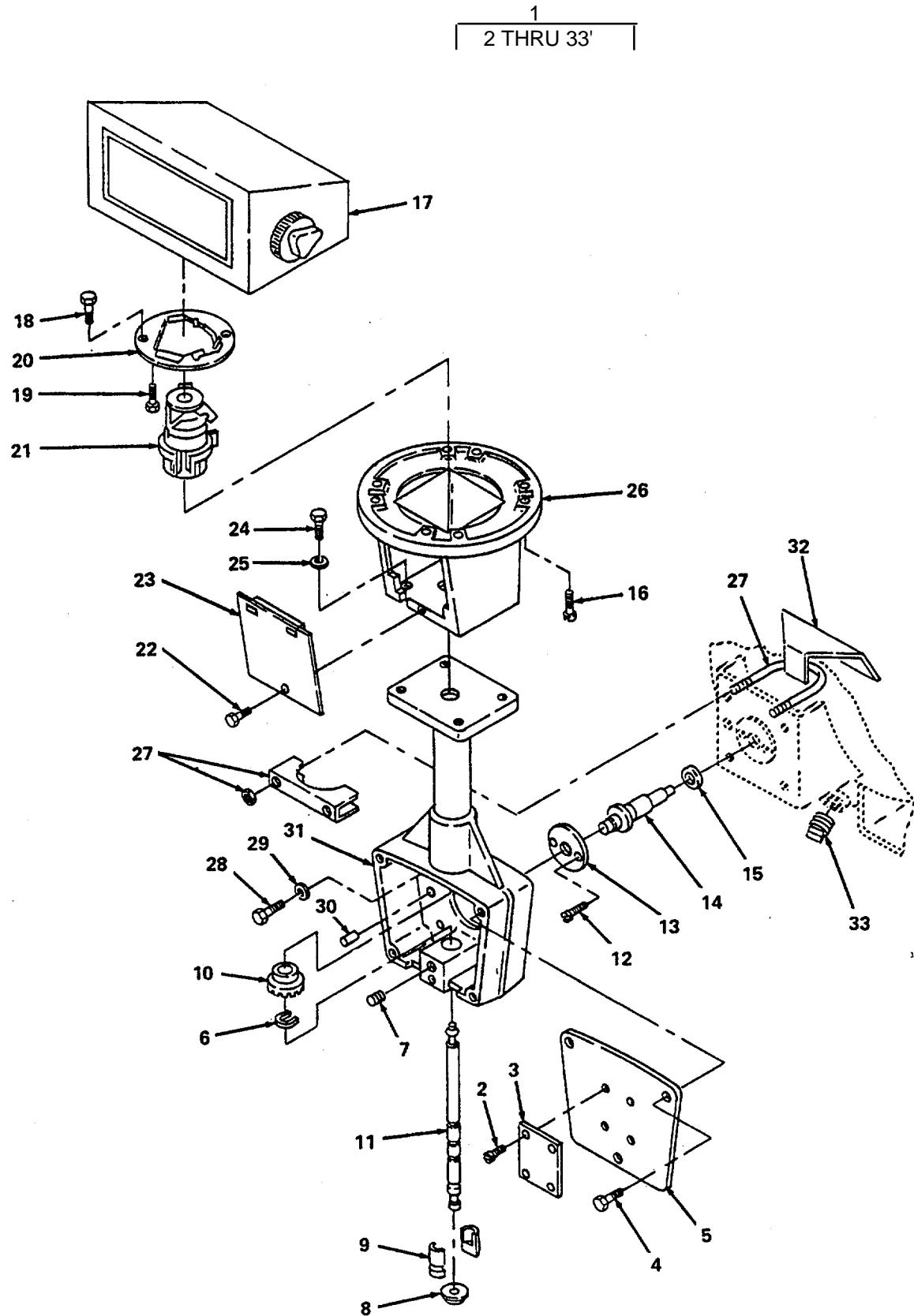


Figure 34. Fuel Oil Totalizer (Sheet 1 of 2).

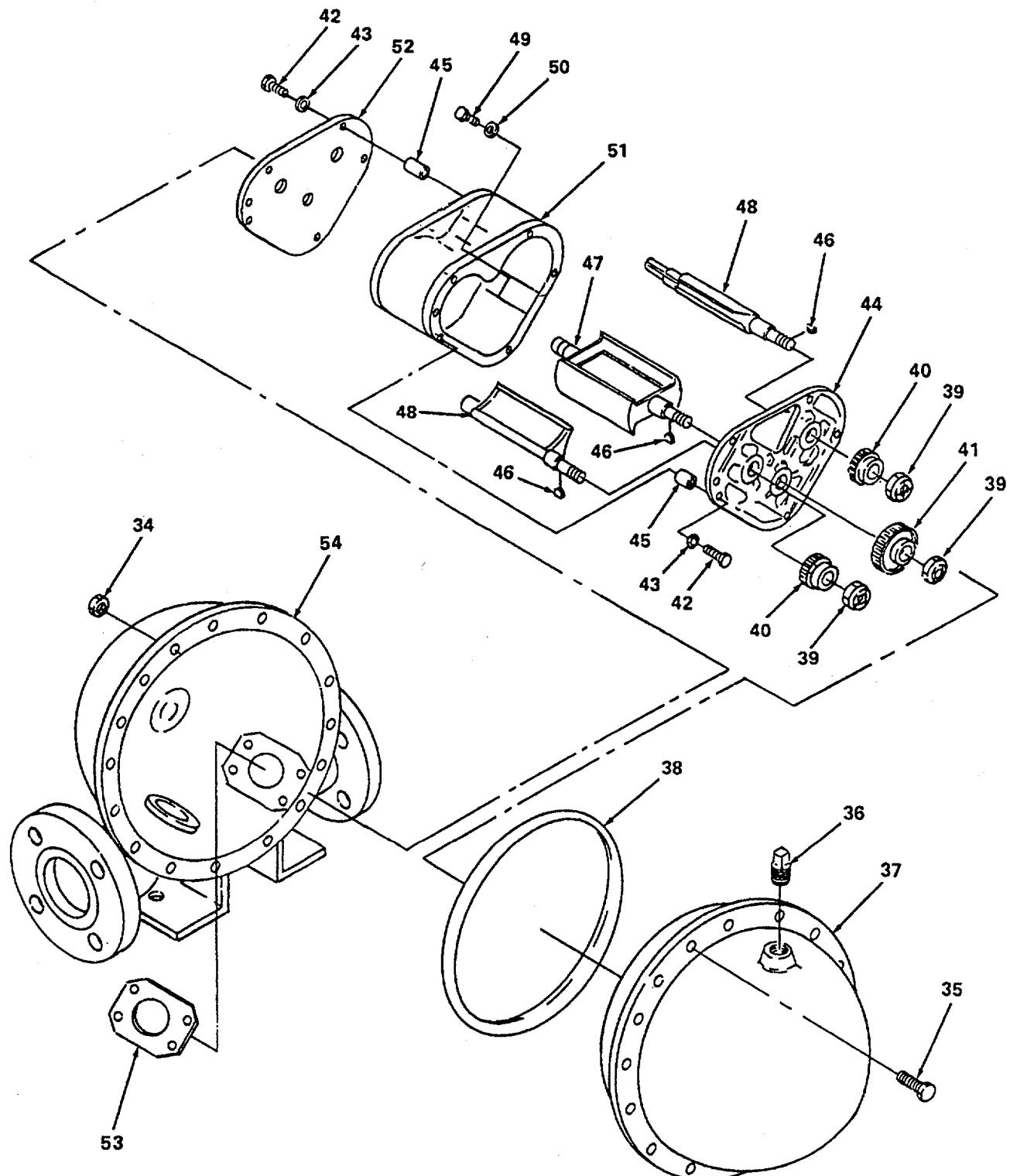


Figure 34. Fuel Oil Totalizer (Sheet 2 of 2).

| SECTION II (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) QTY | (6) |
|---------------------------------|--------------------|--------------|-----------------------|--------------------------------------------------------------|-----|
| GROUP 12 TRANSFER PIPING | | | | | |
| FIG. 34 FUEL OIL TOTALIZER | | | | | |
| | | | | | |
| 1 XDFHH | 04366 | | MS30A1 | TOTALIZER,FUEL OIL METER,3 IN. W/ ANSI 150 LB FLANGE..... | 1 |
| 2 XDHZZ | 04366 | | 306 | .SCREW,NAME PLATE ONE EACH CORNER | 4 |
| 3 XDHZZ | 04366 | | 40136 | .NAME PLATE ON DUST COVER | 1 |
| 4 XDHZZ | 04366 | | 6255 | .BOLT,DUST COVER ONE BOTTOM,TWO EACH CORNER TOP | 3 |
| 5 XDHZZ | 04366 | | 46126 | .PLATE,DUST COVER FORWARD END OF HOUSING | 1 |
| 6 XDHZZ | 04366 | | 2188 | .RETAINER,ADJUSTER DRIVE,INSIDE HOUSING..... | 2 |
| 7 XDHZZ | 04366 | | 6148 | .SET SCREW,LOWER LEFT CORNER HOUSING..... | 1 |
| 8 XDHZZ | 04366 | | 7224 | .PLUG,EXPANSION, BOTTOM OF HOUSING. | 1 |
| 9 XDHZZ | 04366 | | 41786 | .BUSHING,ADJUSTER DRIVE,BOTTOM DRIVE SHAFT..... | 2 |
| 10 PAHZZ | 04366 | | 40818 | .GEAR,SPUR DRIVE 2:1,INSIDE HOUSING | 1 |
| 11 XDHZZ | 04366 | | 46824 | .SHAFT,ADJUSTER DRIVE,BOTTOM OF HOUSING..... | 1 |
| 12 XDHZZ | 04366 | | 6840 | .SCREW,PACKING GLAND,PORT AND STBD OF GLAND | 2 |
| 13 XDHZZ | 04366 | | 41560 | .SEAL PLATE PACKING GLAND..... | 1 |
| 14 XDHZZ | 04366 | | 46609 | .GLAND,PACKING STANDARD,2:1 RATIO, VITON | 1 |
| 15 PAHZZ | 04366 | | 4294 | .PACKING,PREFORMED GLAND | 1 |
| 16 PAFZZ | 96906 | | MS51958-59 | .SCREW,MACHINE TALIZER..... | 2 |
| 17 XDHZZ | 79142 | | 01132 | .COUNTER,WHOLE GALLO N (GOVERNMENT) | 1 |
| 18 XDHZZ | 04366 | | 362 | .BOLT,ADJUSTER PLATE PORT AND STARBOARD | 2 |
| 19 XDHZZ | 04366 | | 7063 | .BOLT,ADJUSTER MOUNTING | 1 |
| 20 XDHZZ | 04366 | | 42660 | .PLATE,ADJUSTER ADAPTER..... | 1 |
| 21 PAHZZ | 04366 | | 42600 | .ADJUSTER ASSEMBLYY | 1 |
| 22 XDHZZ | 04366 | | 4494 | .BOLT,ADJUSTER COVER BOTTOM OF COVER | 1 |
| 23 XDHZZ | 04366 | | 46129 | .COVER,ADJUSTER FRONT END | 1 |
| 24 XDHZZ | 04366 | | 6754 | .BOLT,ADJUSTER ADAPTER,INSIDE HOUSING..... | 4 |
| 25 XDHZZ | 04366 | | 6081 | .WASHER,ADJUSTER ADAPTER,INSIDE HOUSING..... | 4 |
| 26 XDHZZ | 04366 | | 44074 | .ADAPTER,ADJUSTER..... | 1 |
| 27 XDHZZ | 04366 | | 7143 | .CLAMP,SUPPORT HOUSING PACKING GLAND..... | 1 |
| 28 XDHZZ | 04366 | | 6788 | .SCREW,SUPPORT WEIDMENT,INSIDE HOUSING | 4 |
| 29 XDHZZ | 04366 | | 6019 | .WASHER,SUPPORT WEIDMENT,ON SCREW INSIDE HSG..... | 4 |
| 30 XDHZZ | 04366 | | 4295 | .PIN,LOCATOR, INSIDE HOUSING..... | 2 |
| 31 XDHZZ | 04366 | | 46823 | .HOUSING,PACKING GLAND | 1 |
| 32 XDHZZ | 04366 | | 46803 | .HOUSING SUPPORT PACKING GLAND... | 1 |

| SECTION II | | (3) | (4) | (5) | (6) |
|------------|----------|-------|-------------|----------------------------------------------------|-----|
| ITEM NO | SMR CODE | CAGEC | PART NUMBER | DESCRIPTION AND USABLE ON CODES(UOC) | QTY |
| 33 | XDHZZ | 04366 | 6961 | .PLUG,WELDMENT PIPE, BOTTOM OF HOUSING..... | 1 |
| 34 | XDHZZ | 04366 | 6707 | .NUT COVER,REAR BEARING PLATE | 20 |
| 35 | XDHZZ | 04366 | 7294 | .BOLT,COVER UPPER REAR HEMISPHERE | 20 |
| 36 | XDHZZ | 04366 | 6461 | .PLUG1WELDMENT PIPE UPPER REAR HEMISPHERE..... | 1 |
| 37 | XDHZZ | 04366 | 46806 | .HEMISPHERE,STEEL UPPER REAR..... | 1 |
| 38 | XDHZZ | 04366 | 7176 | .O-RING,COVER UPPER REAR HEMISPHERE | 1 |
| 39 | XDHZZ | 04366 | 43817 | .NUT,ROTOR,CADMIUM PLD STEEL | 3 |
| 40 | PAHZZ | 04366 | 43816 | .GEAR,STAINLESS STEEL,ROTOR DISPLACEMENT..... | 2 |
| 41 | PAHZZ | 04366 | 43815 | .GEAR,N1-RESIST ROTOR BLOCKING..... | 1 |
| 42 | XDHZZ | 04366 | 4646 | .SCREW,CADMIUM PLD STEEL,FRONT BEARING PLATE | 16 |
| 43 | XDHZZ | 04366 | 4644 | .WASHER,CADMIUM PLD STEEL,FRONT 16 BEARING PLATE | |
| 44 | PBHZZ | 04366 | 44102 | .PLATE,N1-RESIST FRONT BEARING | 1 |
| 45 | XDHZZ | 04366 | 40099 | .DOWEL, BEARING PLATE..... | 4 |
| 46 | PAHZZ | 04366 | 4506 | .KEY,WOODRUFF STEEL,DISPLACEMENT ROTOR | 3 |
| 47 | PAHZZ | 04366 | 46802 | .ROTOR,CAST IRON BLOCKING..... | 1 |
| 48 | PBHZZ | 04366 | 40714 | .ROTOR,ANODIZED AL DISPLACEMENT . | 2 |
| 49 | XDHZZ | 04366 | 4444 | .SCREW METER RETAINING | 4 |
| 50 | XDHZZ | 04366 | 6054 | .WASHER METER RETAINING SCREWS. | 4 |
| 51 | XDHZZ | 04366 | 46800 | .HOUSING,ALUMINUM..... | 1 |
| 52 | PAHZZ | 04366 | 44102 | .PLATE,N1-RESIST REAR BEARING | 1 |
| 53 | XDHZZ | 04366 | 46835 | .GASKET,METER MOUNTING | 1 |
| 54 | XDHZZ | 04366 | 46805 | .HEMISPHERE,STEEL LOWER FRONT | 1 |

END OF FIGURE

SECTION III

(NOT APPLICABLE)

CROSS-REFERENCE INDEXES

| NATIONAL STOCK NUMBER INDEX | | | | | |
|-----------------------------|-----|------|------------------|------|------|
| STOCK NUMBER | FIG | ITEM | STOCK NUMBER | FIG. | ITEM |
| 5315-00-012-4553 | 19 | 8 | 5310-00-903-5966 | 26 | 1 |
| 4730-00-050-4208 | 19 | 48 | | 27 | 1 |
| | 19 | 52 | | 28 | 7 |
| 6680-00-053-4963 | 34 | 21 | 5310-00-933-8121 | 10 | 8 |
| 4730-00-054-6226 | 28 | 1 | | 25 | 9 |
| 5305-00-059-3655 | 34 | 16 | 5310-00-965-1800 | 22 | 1 |
| 5310-00-136-5712 | 19 | 47 | 5305-00-988-1721 | 19 | 49 |
| 4010-00-171-4512 | 31 | 4 | 3020-01-155-0184 | 34 | 10 |
| 5330-00-171-6817 | 19 | 51 | 2815-01-228-0228 | 23 | 40 |
| 4030-00-174-1243 | 31 | 3 | 2920-01-228-0229 | 23 | 43 |
| 5310-00-184-8628 | 22 | 2 | 2815-01-228-0230 | 23 | 28 |
| 5310-00-209-0786 | 19 | 27 | 2910-01-228-0231 | 33 | 1 |
| 5306-00-226-4822 | 19 | 38 | 2910-01-228-5761 | 33 | 2 |
| 5305-00-226-7234 | 25 | 10 | 3020-01-228-5762 | 34 | 41 |
| 2530-00-238-5307 | 19 | 30 | 2910-01-228-5763 | 34 | 44 |
| 2815-00-242-2866 | 19 | 3 | | 34 | 52 |
| 4730-00-253-4414 | 25 | 15 | 4320-01-228-5764 | 34 | 47 |
| 5315-00-282-1151 | 19 | 19 | 2910-01-228-5765 | 34 | 48 |
| 5365-00-285-6782 | 19 | 18 | 3110-01-228-5782 | 23 | 10 |
| 2520-00-347-3833 | 19 | 20 | 3110-01-228-5783 | 23 | 21 |
| 3040-00-354-6873 | 19 | 33 | 5315-01-229-6093 | 34 | 46 |
| 3130-00-354-6922 | 19 | 36 | 4320-01-230-0620 | 23 | 26 |
| 5310-00-371-6438 | 19 | 16 | 4320-01-230-0621 | 23 | 35 |
| 3020-00-374-7249 | 19 | 17 | | | |
| 3130-00-374-7260 | 19 | 37 | | | |
| 2520-00-374-7283 | 19 | 12 | | | |
| 3040-00-390-8843 | 19 | 9 | | | |
| 5315-00-411-8985 | 1 | 2 | | | |
| 5310-00-488-9327 | 26 | 8 | | | |
| 5305-00-543-2419 | 19 | 1 | | | |
| | 19 | 10 | | | |
| 5330-00-569-7664 | 18 | 3 | | | |
| 5360-00-597-3868 | 19 | 22 | | | |
| 5330-00-605-5824 | 34 | 15 | | | |
| 2520-00-620-5687 | 19 | 29 | | | |
| 5310-00-637-9541 | 19 | 2 | | | |
| | 19 | 7 | | | |
| | 19 | 11 | | | |
| 5310-00-680-6823 | 14 | 3 | | | |
| 5305-00-725-2317 | 19 | 4 | | | |
| | 19 | 6 | | | |
| 5310-00-763-8921 | 14 | 2 | | | |
| 5310-00-767-9425 | 1 | 3 | | | |
| 5310-00-768-0319 | 25 | 8 | | | |
| 5310-00-851-2674 | 10 | 7 | | | |
| | 18 | 1 | | | |
| 5310-00-865-6073 | 10 | 2 | | | |
| 5310-00-880-7745 | 12 | 2 | | | |
| 5330-00-899-4509 | 28 | 3 | | | |
| 5315-00-903-5944 | 1 | 4 | | | |

CROSS-REFERENCE INDEXES

PART NUMBER INDEX

| CAGEC | PART NUMBER | STOCK NUMBER | FIG. | ITEM |
|-------|----------------|------------------|------|------|
| 80204 | ANSIA106 | | 10 | 11 |
| | | | 31 | 6 |
| 80204 | ANSIB16.3 | | 30 | 5 |
| | | | 30 | 7 |
| | | | 30 | 8 |
| 80204 | ANSIB1613 | | 25 | 3 |
| 80204 | ANSIB31.1 | | 10 | 10 |
| | | | 18 | 4 |
| | | | 18 | 7 |
| | | | 25 | 12 |
| | | | 25 | 13 |
| | | | 26 | 5 |
| | | | 26 | 6 |
| | | | 26 | 7 |
| | | | 26 | 10 |
| | | | 26 | 12 |
| | | | 26 | 13 |
| | | | 26 | 14 |
| | | | 27 | 3 |
| | | | 27 | 5 |
| | | | 27 | 6 |
| | | | 29 | 2 |
| | | | 29 | 5 |
| 80204 | ANSIB163 | | 25 | 7 |
| 80204 | ANSIB31.1 | | 12 | 4 |
| | | | 18 | 6 |
| 80204 | ANS1516.3 | | 31 | 9 |
| 80204 | ANS15163 | | 25 | 2 |
| 81346 | ASTMA42375 | | 10 | 6 |
| 97403 | B-2463 | | 8 | 1 |
| 97403 | BG6222S5501 | | 15 | 1 |
| 53059 | CAP3AF250 | | 28 | 23 |
| 77873 | CL-6950 | 3020-00-374-7249 | 19 | 17 |
| 75665 | C280 | | 21 | 1 |
| 81348 | FFP386 | | 10 | 1 |
| 82666 | FIGB103 | | 25 | 5 |
| | | | 31 | 7 |
| 82666 | FIGB103-P | | 31 | 8 |
| 82666 | FIGB319 | | 30 | 9 |
| 82666 | FIG103/B13-175 | | 25 | 6 |
| 19548 | FIG161SZA21 | | 17 | 2 |
| 19548 | FIG162SZ14021 | | 17 | 4 |
| 82666 | FIG181 | | 30 | 1 |
| 82666 | FIG8103 | | 30 | 3 |
| 53059 | GAS3AF250 | | 28 | 25 |
| 75665 | GRSZNPLTD | | 21 | 3 |
| 75665 | HEXSOC-CUPPT | | 21 | 4 |
| 90854 | H0052 | | 25 | 1 |
| 97403 | H482 | | 16 | 1 |
| 97403 | H768-92 | | 6 | 2 |
| 97403 | H772 | | 6 | 3 |

CROSS-REFERENCE INDEXES

PART NUMBER INDEX

| CAGEC | PART NUMBER | STOCK NUMBER | FIG. | ITEM |
|-------|-------------------------------------|------------------|------|------|
| 73124 | IF4-P3 | | 3 | 1 |
| 63097 | LM3795903 | | 24 | 3 |
| 19548 | MDL113SZO | | 17 | 3 |
| 93115 | MDL143 | | 32 | 1 |
| | | | 32 | 9 |
| 81349 | MIL-H-370 TYPE 2 CLASS 1 STYLE A | | 33 | 4 |
| 97403 | MILG12803B | 5330-00-569-7664 | 18 | 3 |
| 81349 | MILG18014TYACLA | | 9 | 4 |
| 97403 | MILG23652 | | 1 | 5 |
| 21444 | M08265518 | | 20 | 3 |
| | | | 20 | 10 |
| | | | 20 | 11 |
| | | | 20 | 12 |
| | | | 20 | 13 |
| | | | 20 | 20 |
| | | | 20 | 20 |
| | | | 20 | 40 |
| 21444 | M08265518REF1 | | 20 | 26 |
| 21444 | M08265518REFIA | | 20 | 21 |
| 21444 | M08265518REFIAB2 -50 AND 51 | | 20 | 17 |
| 21444 | M08265518REF1AB2 | | 20 | 23 |
| | 52,53,54 | | | |
| 21444 | M08265518REF1AB2 55 | | 20 | 24 |
| 21444 | M08265518REFIAB2 57 | | 20 | 18 |
| 21444 | M08265518REFIAB2 62 | | 20 | 22 |
| 21444 | M08265518REFIAB2 64 | | 20 | 19 |
| 21444 | M08265518REF10 | | 20 | 42 |
| 21444 | M08265518REF100 | | 20 | |
| 21444 | M08265518REF12 | | 20 | 6 |
| 21444 | M08265518REF12A | | 20 | 39 |
| 21444 | M08265518REF13 | | 20 | 9 |
| 21444 | M08265518REF14 | | 20 | 5 |
| 21444 | M08265518REF15 | | 20 | 7 |
| 21444 | M08265518REF19 | | 20 | 25 |
| 21444 | M08265518REF2,RE F3 | | 20 | 15 |
| 21444 | M08265518REF20 | | 20 | 16 |
| 21444 | M08265518REF21 | | 20 | 8 |
| 21444 | M08265518REF21A | | 20 | 38 |
| 21444 | M08265518REF22 | | 20 | 4 |
| 21444 | M08265518REF23 | | 20 | 43 |
| 21444 | M08265518REF24 | | 20 | 44 |
| 21444 | M08265518REF4A1, 2 | | 20 | 34 |
| 21444 | M08265518REF4A10 | | 20 | 35 |
| 21444 | M08265518REF4A3 | | 20 | 37 |

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| 21444 | MO8265518REF4A5 | | 20 | 36 |
| 21444 | M08265518REF5 | | 20 | 14 |
| 21444 | MO8265518REF5A1, 5A2 | | 20 | 27 |
| 21444 | M08265518REF5A10 ,5AII | | 20 | 30 |
| 21444 | MO8265518REF5A3 | | 20 | 29 |
| 21444 | M08265518REF5A4 | | 20 | 33 |
| 21444 | MO8265518REF5A5 | | 20 | 32 |
| 21444 | MO8265518REF5A7 | | 20 | 28 |
| 21444 | M08265518REF5A9 | | 20 | 31 |
| 21444 | MO8265518REF7 | | 20 | 41 |
| 39004 | MSC1-7 | | 12 | 1 |
| 96906 | MS15003-1 | 4730-00-050-4208 | 19 | 48 |
| | | | 19 | 52 |
| 96906 | MS15795-816 | 5310-00-184-8628 | 22 | 2 |
| 96906 | MS15795-818 | 5310-00-767-9425 | 1 | 3 |
| 96906 | MS20392-4C41 | 5315-00-903-5944 | 1 | 4 |
| 96906 | MS27024-18 | 4730-00-054-6226 | 28 | 1 |
| 96906 | MS27029-18NPN | | 28 | 4 |
| 96906 | MS27030-9 | 5330-00-899-4509 | 28 | 3 |
| | | | 31 | 2 |
| 96906 | MS27950-24 | | 1 | 7 |
| 04366 | MS30A1 | | 34 | 1 |
| 96906 | MS35206-277 | 5305-00-988-1721 | 19 | 49 |
| 96906 | MS35302-6 | | 10 | 9 |
| 96906 | MS35307-319 | | 26 | 2 |
| | | | 27 | 2 |
| | | | 28 | 6 |
| 96906 | MS35335-33 | 5310-00-209-0786 | 19 | 27 |
| 96906 | t1S35338-108 | 5310-00-680-6823 | 14 | 3 |
| 96906 | MS35338-139 | 5310-00-933-8121 | 10 | 8 |
| | | | 25 | 9 |
| 96906 | MS35338-45 | | 19 | 39 |
| 96906 | MS35338-46 | 5310-00-637-9541 | 19 | 2 |
| | | | 19 | 7 |
| | | | 19 | 11 |
| 96906 | MS35650-3394 | 5310-00-488-9327 | 26 | 8 |
| 96906 | MS35691-1 | 5310-00-851-2674 | 10 | 7 |
| | | | 18 | 1 |
| 96906 | MS35756-17 | 5315-00-012-4553 | 19 | 8 |
| 96906 | MS35764-1449 | | 26 | 9 |
| 96906 | MS39230-4 | 4730-00-253-4414 | 25 | 15 |
| 96906 | MS51846A-60 | | 25 | 4 |
| 96906 | MS51953-270 | | 28 | 5 |
| 96906 | MS51958-59 | 5305-00-059-3655 | 34 | 16 |
| 96906 | MS51967-23 | 5310-00-763-8921 | 14 | 2 |
| 96906 | M551968-11 | 5310-00-880-7745 | 12 | 2 |
| 96906 | MS51968-2 | 5310-00-768-0319 | 25 | 8 |
| 96906 | MS51971-1 | 5310-00-903-5966 | 26 | 1 |
| | | | 27 | 1 |

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| CAGEC | PART NUMBER | STOCK NUMBER | FIG. | ITEM |
|-------|-----------------------------|------------------|------|------|
| 96906 | MS51971-1 | 5310-00-903-5966 | 28 | 7 |
| 96906 | MS51971-4 | 5310-00-965-1800 | 22 | 1 |
| 96906 | MS87006-2 | 4030-00-174-1243 | 31 | 3 |
| 96906 | MS9015-14 | | 28 | 21 |
| 96906 | MS90725-180 | | 14 | 4 |
| 96906 | MS90725-26 | 5305-00-226-7234 | 25 | 10 |
| 96906 | MS90725-35 | | 12 | 3 |
| 96906 | MS90728-29 | 5306-00-226-4822 | 19 | 38 |
| 96906 | MS90728-61 | 5305-00-543-2419 | 19 | 1 |
| | | | 19 | 10 |
| 96906 | MS90728-64 | 5305-00-725-2317 | 19 | 4 |
| | | | 19 | 6 |
| 96906 | MS9093-11 | | 28 | 22 |
| 96906 | MS9245-31 | 5315-00-411-8985 | 1 | 2 |
| 96906 | MS9284-18 | | 22 | 3 |
| 96906 | MS9490-37 | | 18 | 2 |
| 96906 | MS9552-206 | | 25 | 11 |
| 21444 | M08265518REF25 | | 20 | 2 |
| 05370 | M13D | | 2 | 1 |
| | | | 2 | 2 |
| 53059 | M16293C45 | | 28 | 20 |
| 05370 | M2D | | 2 | 3 |
| 81718 | OPW1290 | 2910-01-228-0231 | 33 | 1 |
| 89814 | PN39421/2INLEA | | 18 | 8 |
| 63097 | P332 | | 23 | 1 |
| 81348 | RR-C-271,TYPE 2, CLASS 3 | 4010-00-171-4512 | 31 | 4 |
| 53790 | RUL114.0-PP | | 9 | 3 |
| 79154 | SERIES700 | | 29 | 4 |
| 79154 | STYLE50 | | | 29 |
| | 6 | | | |
| 79154 | STYLE741 | | 28 | 27 |
| 79154 | STYLE77 | | | 28 |
| | 26 | | | |
| | | | 29 | 1 |
| | | | 29 | 3 |
| | | | 29 | 7 |
| 02056 | SN100 | | 26 | 15 |
| | | | 27 | 7 |
| 02056 | SIIN1003 | | 18 | 5 |
| 81996 | S1112 1300393 | | 5 | 4 |
| 81348 | TYPE2,CL2,TRADE NO.4 | | 28 | 2 |
| 53790 | UBC114.0 | | 9 | 2 |
| 25547 | U2503 | | 1 | 6 |
| 25547 | U2506F | | 4 | 1 |
| 81348 | WWP406 | | 30 | 2 |
| 81348 | WWU531-05-T-A | | 30 | 6 |
| 81348 | WWU5310STA | | 25 | 14 |
| 79142 | 01132 | | 34 | 17 |
| 72582 | 100018 | | 19 | 34 |
| 75665 | 1030113 | | 21 | 2 |
| 75665 | 1030114 | | 21 | 7 |

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| CAGEC | PART NUMBER | STOCK NUMBER | FIG. | ITEM |
|-------|------------------|------------------|------|------|
| 75665 | 1030115 | | 21 | 5 |
| 75665 | 1030123TYPESB | | 21 | 6 |
| 72582 | 114351 | | 19 | 26 |
| 93115 | 114707 | | 32 | 2 |
| 93115 | 115955 | | 32 | 3 |
| 53059 | 118PERFSS3AF250 | | 28 | 24 |
| 72582 | 122366 | 5310-00-136-5712 | 19 | 47 |
| 97403 | 13205E6221-2 | | 6 | 1 |
| 97403 | 13222E5954 | | 31 | 10 |
| 97403 | 13222E5955-FL1 | | 28 | 8 |
| 97403 | 13222E5955-FL2 | | 28 | 17 |
| 97403 | 13222E5955-F2 | | 28 | 15 |
| 97403 | 13222E5955-F3 | | 28 | 13 |
| 97403 | 13222E5955-F4 | | 28 | 10 |
| 97403 | 13222E5955-F5 | | 28 | 16 |
| 97403 | 13222E5955-F6 | | 28 | 18 |
| 97403 | 13222E5955-P1 | | 28 | 14 |
| 97403 | 13222E5955-P5 | | 28 | 19 |
| 97403 | 13222E5956 | | 9 | 1 |
| 72582 | 140855 | | 10 | 3 |
| 72582 | 142224 | | 19 | 43 |
| 33525 | 1590000420 | | 10 | 12 |
| 97403 | 193537 | | 16 | 2 |
| 81996 | 193537-29 | | 5 | 3 |
| 97403 | 193540 | | 11 | 1 |
| 93115 | 1949 | | 28 | 12 |
| 81996 | 198869-1 | | 5 | 2 |
| 81996 | 198869-2 | | 5 | 1 |
| 63097 | 2-005-001-406 | | 23 | 17 |
| 63097 | 2-082-014-100 | | 23 | 20 |
| 63097 | 2-133-004-492-05 | | 23 | 42 |
| 63097 | 2-134-001-454 | | 23 | 29 |
| 63097 | 2-140-014-100 | | 23 | 11 |
| 63097 | 2-150-031-255 | | 24 | 1 |
| 63097 | 2-150-036-255C | | 23 | 27 |
| 63097 | 2-150-050-255C | | 23 | 15 |
| 63097 | 2-261-001-100 | | 23 | 50 |
| 63097 | 2-283-042-378 | | 23 | 12 |
| 63097 | 2-288-027-210 | 3110-01-228-5782 | 23 | 10 |
| 63097 | 2-305-020-806-62 | | 24 | 7 |
| 63097 | 2-306-017-806-62 | | 24 | 9 |
| 63097 | 2-311-009-80608C | | 23 | 33 |
| 63097 | 2-314-007-80662C | | 23 | 4 |
| 63097 | 2-315-003-80615C | | 24 | 2 |
| 63097 | 2-315-004-806-15 | | 23 | 39 |
| 63097 | 2-406-003-100 | | 23 | 37 |
| 63097 | 2-425-001-100-70 | | 23 | 41 |
| 63097 | 2-448-002-281 | | 23 | 38 |
| 63097 | 2-460-018-375 | | 23 | 46 |
| 63097 | 2-465-015-100 | 4320-01-230-0620 | 23 | 26 |
| 63097 | 2-469-002-376C | | 23 | 13 |

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| CAGEC | PART NUMBER | STOCK NUMBER | FIG. | ITEM |
|-------|------------------|------------------|------|------|
| 63097 | 2-469-002-376C | | 23 | 31 |
| 63097 | 2-500-057-610C | | 23 | 49 |
| 63097 | 2-503-013-375C | | 23 | 2 |
| | | | 23 | 51 |
| 63097 | 2-505-010-375C | | 23 | 22 |
| 63097 | 2-506-011-150 | | 23 | 36 |
| 63097 | 2-507-011-375 | | 23 | 8 |
| 63097 | 2-520-020-830C | | 23 | 25 |
| 63097 | 2-526-003-100 | | 23 | 24 |
| 63097 | 2-537-006-240 | | 23 | 18 |
| 63097 | 2-542-001-376C | | 23 | 34 |
| 63097 | 2-542-004-376C | | 23 | 5 |
| 63097 | 2-542-008-110C | | 23 | 6 |
| 63097 | 2-542-013-110C | | 23 | 7 |
| 63097 | 2-542-015-376C | | 23 | 30 |
| 63097 | 2-580-002-100 | | 23 | 44 |
| 63097 | 2-589-004-100 | | 23 | 32 |
| 63097 | 2-595-012-376 | | 24 | 5 |
| 63097 | 2-595-208-610 | | 23 | 48 |
| 63097 | 2-596-035-376C | | 23 | 45 |
| 63097 | 2-732-002-250 | | 23 | 47 |
| 63097 | 2-762-024-100 | | 24 | 13 |
| 63097 | 2-765-006-371 | | 24 | 12 |
| 63097 | 2-765-007-371 | | 24 | 11 |
| 63097 | 2-782-017-255C | | 23 | 3 |
| 63097 | 2-782-018-255C | | 23 | 14 |
| 63097 | 2-782-023-375 | | 23 | 23 |
| 63097 | 2-795-031-100 | | 24 | 14 |
| 63097 | 2-797-013-100 | | 24 | 8 |
| 63097 | 2-798-015-100 | | 24 | 4 |
| 63097 | 2-799-033-376 | | 24 | 6 |
| 63097 | 2-799-040-100 | | 24 | 10 |
| 63097 | 2-806-014-375C | | 23 | 19 |
| 63097 | 2-807-013-375 | | 23 | 9 |
| 63097 | 2056-008-375 | 3110-01-228-5783 | 23 | 21 |
| 21444 | 2070YBXDZA/M0826 | | 20 | 1 |
| | 5518 | | | |
| 80064 | 211-463489-C1 | | 14 | 6 |
| 72582 | 214279 | | 19 | 35 |
| 04366 | 2188 | | 34 | 6 |
| 95019 | 230323 | | 22 | 8 |
| 97403 | 231B-7/2 | | 1 | 1 |
| 97403 | 231B-8 | | 8 | 2 |
| 97403 | 231B129 | | 17 | 1 |
| 97403 | 231B9-32 | | 26 | 11 |
| 97403 | 231B9-38 | | 26 | 3 |
| 97403 | 231B9-45 | | 27 | 4 |
| | | | 28 | 11 |
| 97403 | 231B9-46 | | 26 | 4 |
| | | | 28 | 9 |
| 81996 | 2351 21X | | 7 | 1 |

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| CAGEC | PART NUMBER | STOCK NUMBER | FIG. | ITEM |
|-------|-------------------------|------------------|------|------|
| 97403 | 2351-35X | | 14 | 1 |
| | | | 14 | 5 |
| 63097 | 3-005-002-640 | | 23 | 16 |
| 63097 | 3-406-003-015 | 4320-01-230-0621 | 23 | 35 |
| 63097 | 3-425-002-056-75 | 2815-01-228-0228 | 23 | 40 |
| 63097 | 3-580-151-031 | 2920-01-228-0229 | 23 | 43 |
| 63097 | 3-589-005-052 | 2815-01-228-0230 | 23 | 28 |
| 04366 | 306 | | 34 | 2 |
| 72582 | 3223379 | | 19 | 40 |
| 97403 | 32351-A83 | | 14 | 7 |
| 04366 | 362 | | 34 | 18 |
| 95019 | 3630626800X | | 22 | 13 |
| 72582 | 3796374 | | 10 | 4 |
| 04366 | 40099 | | 34 | 45 |
| 04366 | 40136 | | 34 | 3 |
| 04366 | 407142910-01-228-5765 | | 34 | 48 |
| 04366 | 408183020-01-155-0184 | | 34 | 10 |
| 04366 | 41560 | | 34 | 13 |
| 04366 | 41786 | | 34 | 9 |
| 04366 | 426006680-00-053-4963 | | 34 | 21 |
| 04366 | 42660 | | 34 | 20 |
| 04366 | 42945330-00-605-5824 | | 34 | 15 |
| 04366 | 4295 | | 34 | 30 |
| 04366 | 438153020-01-228-5762 | | 34 | 41 |
| 04366 | 43816 | | 34 | 40 |
| 04366 | 43817 | | 34 | 39 |
| 04366 | 44074 | | 34 | 26 |
| 04366 | 441022910-01-228-5763 | | 34 | 44 |
| | | | 34 | 52 |
| 72582 | 441294 | | 19 | 42 |
| 04366 | 4444 | | 34 | 49 |
| 04366 | 4494 | | 34 | 22 |
| 04366 | 45065315-01-229-6093 | | 34 | 46 |
| 04366 | 46126 | | 34 | 5 |
| 04366 | 46129 | | 34 | 23 |
| 04366 | 4644 | | 34 | 43 |
| 04366 | 4646 | | 34 | 42 |
| 04366 | 46609 | | 34 | 14 |
| 04366 | 46800 | | 34 | 51 |
| 04366 | 468024320-01-228-5764 | | 34 | 47 |
| 04366 | 46803 | | 34 | 32 |
| 04366 | 46805 | | 34 | 54 |
| 04366 | 46806 | | 34 | 37 |
| 04366 | 46823 | | 34 | 31 |
| 04366 | 46824 | | 34 | 11 |
| 04366 | 46835 | | 34 | 53 |
| 81718 | 5D2910-01-228-5761 | | 33 | 2 |
| 72582 | 51322012815-00-242-2866 | | 19 | 3 |
| 72582 | 5192119 | | 19 | 5 |
| 72582 | 51921425365-00-285-6782 | | 19 | 18 |
| 72582 | 5192147 | | 19 | 53 |

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|-------|-------------|------------------|------|------|
| 72582 | 5192149 | | 19 | 41 |
| 72582 | 5192150 | 2520-00-374-7283 | 19 | 12 |
| 72582 | 5192153 | | 19 | 15 |
| 72582 | 5192154 | 5310-00-371-6438 | 19 | 16 |
| 72582 | 5192156 | | 19 | 45 |
| 72582 | 5192176 | | 19 | 31 |
| 72582 | 5192251 | 3040-00-390-8843 | 19 | 9 |
| 72582 | 5192295 | | 19 | 13 |
| 72582 | 5192416 | 5330-00-171-6817 | 19 | 51 |
| 72582 | 5193420 | | 19 | 32 |
| 72582 | 5193421 | 3040-00-354-6873 | 19 | 33 |
| 72582 | 5193422 | 5315-00-282-1151 | 19 | 19 |
| 72582 | 5193431 | 5360-00-597-3868 | 19 | 22 |
| 72582 | 5193432 | 3130-00-374-7260 | 19 | 37 |
| 72582 | 5193450 | | 19 | 44 |
| 72582 | 5194138 | | 19 | 23 |
| 72582 | 5194140 | 2520-00-347-3833 | 19 | 20 |
| 72582 | 5194141 | | 19 | 21 |
| 72582 | 5194261 | | 19 | |
| 72582 | 5194290 | 2520-00-620-5687 | 19 | 29 |
| 72582 | 5194581 | | 19 | 46 |
| 72582 | 5196715 | 3130-00-354-6922 | 19 | 36 |
| 72582 | 5196867 | | 19 | 28 |
| 72582 | 5197881 | | 19 | 14 |
| 72582 | 5197882 | | 19 | 24 |
| 72582 | 5197883 | | 19 | 25 |
| 72582 | 5197884 | 2530-00-238-5307 | 19 | 30 |
| 72582 | 5199835 | | 19 | 50 |
| 95019 | 5281X | | 22 | 10 |
| 93115 | 56175 | | 32 | 7 |
| 93115 | 56176 | | 32 | 8 |
| 95019 | 6.51113 | | 22 | 4 |
| 95019 | 6.52329 | | 22 | 9 |
| 95019 | 6.528117 | | 22 | 12 |
| 95019 | 6.531351KX | | 22 | 11 |
| 95019 | 6.540201 | | 22 | 14 |
| 95019 | 6.58638 | | 22 | 7 |
| 04366 | 6019 | | 34 | 29 |
| 04366 | 6054 | | 34 | 50 |
| 04366 | 6081 | | 34 | 25 |
| 04366 | 6148 | | 34 | 7 |
| 04366 | 6255 | | 34 | 4 |
| 04366 | 6461 | | 34 | 36 |
| 04366 | 6707 | | 34 | 34 |
| 95019 | 673311 | | 22 | 6 |
| 04366 | 6754 | | 34 | 24 |
| 04366 | 6788 | | 34 | 28 |
| 04366 | 6840 | | 34 | 12 |
| 04366 | 6961 | | 34 | 33 |
| 96906 | 7521306-1 | 5310-00-865-6073 | 10 | 2 |
| 97403 | 7W18828 | | 13 | 1 |

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| CAGEC | PART NUMBER | STOCK NUMBER | FIG. | ITEM |
|-------|----------------|--------------|------|------|
| 04366 | 7063 | | 34 | 19 |
| 82666 | 71G103/B13-175 | | 30 | 4 |
| 04366 | 7143 | | 34 | 27 |
| 04366 | 7176 | | 34 | 38 |
| 04366 | 7224 | | 34 | 8 |
| 24181 | 7239 | | 31 | 1 |
| 24181 | 723918 | | 31 | 5 |
| 04366 | 7294 | | 34 | 35 |
| 93115 | 75661 | | 32 | 6 |
| 33525 | 80308 | | 10 | 5 |
| 95019 | 9057442400 | | 22 | 5 |
| 24161 | 9200SB | | 33 | 3 |
| 93115 | 934039 | | 32 | 4 |
| 93115 | 934046 | | 32 | 5 |

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| FIG. | ITEM | STOCK NUMBER | CAGEC | PART NO. |
|------|------|------------------|-------|-----------------|
| 1 | 1 | | 97403 | 231B-7/2 |
| 1 | 2 | 5315-00-411-8985 | 96906 | MS9245-31 |
| 1 | 3 | 5310-00-767-9425 | 96906 | MS15795-818 |
| 1 | 4 | 5315-00-903-5944 | 96906 | MS20392-4C41 |
| 1 | 5 | | 97403 | MILG23652 |
| 1 | 6 | | 25547 | U2503 |
| 1 | 7 | | 96906 | MS27950-24 |
| 2 | 1 | | 05370 | M13D |
| 2 | 2 | | 05370 | M13D |
| 2 | 3 | | 05370 | M2D |
| 3 | 1 | | 73124 | IF4-P3 |
| 4 | 1 | | 25547 | U2506F |
| 5 | 1 | | 81996 | 198869-2 |
| 5 | 2 | | 81996 | 198869-1 |
| 5 | 3 | | 81996 | 193537-29 |
| 5 | 4 | | 81996 | S1112 1300393 |
| 6 | 1 | | 97403 | 13205E6221-2 |
| 6 | 2 | | 97403 | H768-92 |
| 6 | 3 | | 97403 | H772 |
| 7 | 1 | | 81996 | 2351 21X |
| 8 | 1 | | 97403 | B-2463 |
| 8 | 2 | | 97403 | 231B-8 |
| 9 | 1 | | 97403 | 13222E5956 |
| 9 | 2 | | 53790 | UBC114.0 |
| 9 | 3 | | 53790 | RUL114.0-PP |
| 9 | 4 | | 81349 | MILG18014TYACLA |
| 10 | 1 | | 81348 | FFP386 |
| 10 | 2 | 5310-00-865-6073 | 96906 | 7S21306-1 |
| 10 | 3 | | 72582 | 140855 |
| 10 | 4 | | 72582 | 3796374 |
| 10 | 5 | | 33525 | 80308 |
| 10 | 6 | | 81346 | ASTMA42375 |
| 10 | 7 | 5310-00-851-2674 | 96906 | MS35691-1 |
| 10 | 8 | 5310-00-933-8121 | 96906 | MS35338-139 |
| 10 | 9 | | 96906 | MS35302-6 |
| 10 | 10 | | 80204 | ANSIB31.1 |
| 10 | 11 | | 80204 | ANSIA106 |
| 10 | 12 | | 33525 | 1590000420 |
| 11 | 1 | | 97403 | 193540 |
| 12 | 1 | | 39004 | MSC1-7 |
| 12 | 2 | 5310-00-880-7745 | 96906 | MS51968-11 |
| 12 | 3 | | 96906 | MS90725-35 |
| 12 | 4 | | 80204 | ANS1B31.1 |
| 13 | 1 | | 97403 | 7W18828 |
| 14 | 1 | | 97403 | 2351-35X |
| 14 | 2 | 5310-00-763-8921 | 96906 | MS51967-23 |
| 14 | 3 | 5310-00-680-6823 | 96906 | MS35338-108 |
| 14 | 4 | | 96906 | MS90725-180 |
| 14 | 5 | | 97403 | 2351-35X |
| 14 | 6 | | 80064 | 211-463489-C1 |
| 14 | 7 | | 97403 | 32351-A83 |

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| FIG. | ITEM | STOCK NUMBER | CAGEC | PART NO. |
|------|------|------------------|-------|----------------|
| 15 | 1 | | 97403 | BG6222S5501 |
| 16 | 1 | | 97403 | H482 |
| 16 | 2 | | 97403 | 193537 |
| 17 | 1 | | 97403 | 231B129 |
| 17 | 2 | | 19548 | FIG161SZA21 |
| 17 | 3 | | 19548 | MDL113SZO |
| 17 | 4 | | 19548 | FIG162SZ14021 |
| 18 | 1 | 5310-00-851-2674 | 96906 | MS35691-1 |
| 18 | 2 | | 96906 | MS9490-37 |
| 18 | 3 | 5330-00-569-7664 | 97403 | MILG12803B |
| 18 | 4 | | 80204 | ANSIB31.1 |
| 18 | 5 | | 02056 | S11N1003 |
| 18 | 6 | | 80204 | ANS1B31.1 |
| 18 | 7 | | 80204 | ANSIB31.1 |
| 18 | 8 | | 89814 | PN39421/2INLEA |
| 19 | | | 72582 | 5194261 |
| 19 | 1 | 5305-00-543-2419 | 96906 | MS90728-61 |
| 19 | 2 | 5310-00-637-9541 | 96906 | MS35338-46 |
| 19 | 3 | 2815-00-242-2866 | 72582 | 5132201 |
| 19 | 4 | 5305-00-725-2317 | 96906 | MS90728-64 |
| 19 | 5 | | 72582 | 5192119 |
| 19 | 6 | 5305-00-725-2317 | 96906 | MS90728-64 |
| 19 | 7 | 5310-00-637-9541 | 96906 | MS35338-46 |
| 19 | 8 | 5315-00-012-4553 | 96906 | MS35756-17 |
| 19 | 9 | 3040-00-390-8843 | 72582 | 5192251 |
| 19 | 10 | 5305-00-543-2419 | 96906 | MS90728-61 |
| 19 | 11 | 5310-00-637-9541 | 96906 | MS35338-46 |
| 19 | 12 | 2520-00-374-7283 | 72582 | 5192150 |
| 19 | 13 | | 72582 | 5192295 |
| 19 | 14 | | 72582 | 5197881 |
| 19 | 15 | | 72582 | 5192153 |
| 19 | 16 | 5310-00-371-6438 | 72582 | 5192154 |
| 19 | 17 | 3020-00-374-7249 | 77873 | CL-6950 |
| 19 | 18 | 5365-00-285-6782 | 72582 | 5192142 |
| 19 | 19 | 5315-00-282-1151 | 72582 | 5193422 |
| 19 | 20 | 2520-00-347-3833 | 72582 | 5194140 |
| 19 | 21 | | 72582 | 5194141 |
| 19 | 22 | 5360-00-597-3868 | 72582 | 5193431 |
| 19 | 23 | | 72582 | 5194138 |
| 19 | 24 | | 72582 | 5197882 |
| 19 | 25 | | 72582 | 5197883 |
| 19 | 26 | | 72582 | 114351 |
| 19 | 27 | 5310-00-209-0786 | 96906 | MS35335-33 |
| 19 | 28 | | 72582 | 5196867 |
| 19 | 29 | 2520-00-620-5687 | 72582 | 5194290 |
| 19 | 30 | 2530-00-238-5307 | 72582 | 5197884 |
| 19 | 31 | | 72582 | 5192176 |
| 19 | 32 | | 72582 | 5193420 |
| 19 | 33 | 3040-00-354-6873 | 72582 | 5193421 |
| 19 | 34 | | 72582 | 100018 |
| 19 | 35 | | 72582 | 214279 |

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| FIG. | ITEM | STOCK NUMBER | CAGEC | PART NO. |
|-------------|-------------|---------------------|--------------|--------------------------------|
| 19 | 36 | 3130-00-354-6922 | 72582 | 5196715 |
| 19 | 37 | 3130-00-374-7260 | 72582 | 5193432 |
| 19 | 38 | 5306-00-226-4822 | 96906 | MS90728-29 |
| 19 | 39 | | 96906 | MS35338-45 |
| 19 | 40 | | 72582 | 3223379 |
| 19 | 41 | | 72582 | 5192149 |
| 19 | 42 | | 72582 | 441294 |
| 19 | 43 | | 72582 | 142224 |
| 19 | 44 | | 72582 | 5193450 |
| 19 | 45 | | 72582 | 5192156 |
| 19 | 46 | | 72582 | 5194581 |
| 19 | 47 | 5310-00-136-5712 | 72582 | 122366 |
| 19 | 48 | 4730-00-050-4208 | 96906 | MS15003-1 |
| 19 | 49 | 5305-00-988-1721 | 96906 | MS35206-277 |
| 19 | 50 | | 72582 | 5199835 |
| 19 | 51 | 5330-00-171-6817 | 72582 | 5192416 |
| 19 | 52 | 4730-00-050-4208 | 96906 | MS15003-1 |
| 19 | 53 | | 72582 | 5192147 |
| 20 | | | 21444 | MO8265518REF100 |
| 20 | 1 | | 21444 | 2070YBXDZA/M0826 5518 |
| 20 | 2 | | 21444 | M08265518REF25 |
| 20 | 3 | | 21444 | M08265518 |
| 20 | 4 | | 21444 | M08265518REF22 |
| 20 | 5 | | 21444 | M08265518REF14 |
| 20 | 6 | | 21444 | M08265518REF12 |
| 20 | 7 | | 21444 | M08265518REF15 |
| 20 | 8 | | 21444 | M08265518REF21 |
| 20 | 9 | | 21444 | M08265518REF13 |
| 20 | 10 | | 21444 | M08265518 |
| 20 | 11 | | 21444 | M08265518 |
| 20 | 12 | | 21444 | M08265518 |
| 20 | 13 | | 21444 | M08265518 |
| 20 | 14 | | 21444 | M08265518REF5 |
| 20 | 15 | | 21444 | M08265518REF2,RE F3 |
| 20 | 16 | | 21444 | M08265518REF20 |
| 20 | 17 | | 21444 | M08265518REF1AB2 -50 AND 51 |
| 20 | 18 | | 21444 | M08265518REF1AB2 57 |
| 20 | 19 | | 21444 | M08265518REF1AB2 64 |
| 20 | 20 | | 21444 | M08265518 |
| 20 | 21 | | 21444 | M08265518REF1A |
| 20 | 22 | | 21444 | M08265518REF1AB2 62 |
| 20 | 23 | | 21444 | M08265518REF1AB2 52,53,54 |
| 20 | 24 | | 21444 | M08265518REF1AB2 55 |

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| FIG. | ITEM | STOCK NUMBER | CAGEC | PART NO. |
|------|------|------------------|-------|---------------------------|
| 20 | 25 | | 21444 | M08265518REF19 |
| 20 | 26 | | 21444 | M08265518REF1 |
| 20 | 27 | | 21444 | M08265518REF5A1, 5A2 |
| 20 | 28 | | 21444 | M08265518REF5A7 |
| 20 | 29 | | 21444 | M08265518REF5A3 |
| 20 | 30 | | 21444 | M08265518REF5A10 ,5A11 |
| 20 | 31 | | 21444 | M08265518REF5A9 |
| 20 | 32 | | 21444 | M08265518REF5A5 |
| 20 | 33 | | 21444 | M08265518REF5A4 |
| 20 | 34 | | 21444 | M08265518REF4A1, 2 |
| 20 | 35 | | 21444 | M08265518REF4A10 |
| 20 | 36 | | 21444 | M08265518REF4A5 |
| 20 | 37 | | 21444 | M08265518REF4A3 |
| 20 | 38 | | 21444 | M08265518REF21A |
| 20 | 39 | | 21444 | M08265518REF12A |
| 20 | 40 | | 21444 | M08265518 |
| 20 | 41 | | 21444 | M08265518REF7 |
| 20 | 42 | | 21444 | M08265518REF10 |
| 20 | 43 | | 21444 | M08265518REF23 |
| 20 | 44 | | 21444 | M08265518REF24 |
| 21 | 1 | | 75665 | C280 |
| 21 | 2 | | 75665 | 1030113 |
| 21 | 3 | | 75665 | GRSZNPLTD |
| 21 | 4 | | 75665 | HEXSOC-CUPPT |
| 21 | 5 | | 75665 | 1030115 |
| 21 | 6 | | 75665 | 1030123TYPESXB |
| 21 | 7 | | 75665 | 1030114 |
| 22 | 1 | 5310-00-965-1800 | 96906 | MS51971-4 |
| 22 | 2 | 5310-00-184-8628 | 96906 | MS15795-816 |
| 22 | 3 | | 96906 | MS9284-18 |
| 22 | 4 | | 95019 | 6.51113 |
| 22 | 5 | | 95019 | 9057442400 |
| 22 | 6 | | 95019 | 673311 |
| 22 | 7 | | 95019 | 6.58638 |
| 22 | 8 | | 95019 | 230323 |
| 22 | 9 | | 95019 | 6.52329 |
| 22 | 10 | | 95019 | 5281X |
| 22 | 11 | | 95019 | 6.531351KX |
| 22 | 12 | | 95019 | 6.528117 |
| 22 | 13 | | 95019 | 3630626800X |
| 22 | 14 | | 95019 | 6.540201 |
| 23 | 1 | | 63097 | P332 |
| 23 | 2 | | 63097 | 2-503-013-375C |
| 23 | 3 | | 63097 | 2-782-017-255C |
| 23 | 4 | | 63097 | 2-314-007-80662C |
| 23 | 5 | | 63097 | 2-542-004-376C |
| 23 | 6 | | 63097 | 2-542-008-110C |
| 23 | 7 | | 63097 | 2-542-013-110C |

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| FIG. | ITEM | STOCK NUMBER | CAGEC | PART NO. |
|------|------|------------------|-------|------------------|
| 23 | 8 | | 63097 | 2-507-011-375 |
| 23 | 9 | | 63097 | 2-807-013-375 |
| 23 | 10 | 3110-01-228-5782 | 63097 | 2-288-027-210 |
| 23 | 11 | | 63097 | 2-140-014-100 |
| 23 | 12 | | 63097 | 2-283-042-378 |
| 23 | 13 | | 63097 | 2-469-002-376C |
| 23 | 14 | | 63097 | 2-782-018-255C |
| 23 | 15 | | 63097 | 2-150-050-255C |
| 23 | 16 | | 63097 | 3-005-002-640 |
| 23 | 17 | | 63097 | 2-005-001-406 |
| 23 | 18 | | 63097 | 2-537-006-240 |
| 23 | 19 | | 63097 | 2-806-014-375C |
| 23 | 20 | | 63097 | 2-082-014-100 |
| 23 | 21 | 3110-01-228-5783 | 63097 | 2056-008-375 |
| 23 | 22 | | 63097 | 2-505-010-375C |
| 23 | 23 | | 63097 | 2-782-023-375 |
| 23 | 24 | | 63097 | 2-526-003-100 |
| 23 | 25 | | 63097 | 2-520-020-830C |
| 23 | 26 | 4320-01-230-0620 | 63097 | 2-465-015-100 |
| 23 | 27 | | 63097 | 2-150-036-255C |
| 23 | 28 | 2815-01-228-0230 | 63097 | 3-589-005-052 |
| 23 | 29 | | 63097 | 2-134-001-454 |
| 23 | 30 | | 63097 | 2-542-015-376C |
| 23 | 31 | | 63097 | 2-469-002-376C |
| 23 | 32 | | 63097 | 2-589-004-100 |
| 23 | 33 | | 63097 | 2-311-009-80608C |
| 23 | 34 | | 63097 | 2-542-001-376C |
| 23 | 35 | 4320-01-230-0621 | 63097 | 3-406-003-015 |
| 23 | 36 | | 63097 | 2-506-011-150 |
| 23 | 37 | | 63097 | 2-406-003-100 |
| 23 | 38 | | 63097 | 2-448-002-281 |
| 23 | 39 | | 63097 | 2-315-004-806-15 |
| 23 | 40 | 2815-01-228-0228 | 63097 | 3-425-002-056-75 |
| 23 | 41 | | 63097 | 2-425-001-100-70 |
| 23 | 42 | | 63097 | 2-133-004-492-05 |
| 23 | 43 | 2920-01-228-0229 | 63097 | 3-580-151-031 |
| 23 | 44 | | 63097 | 2-580-002-100 |
| 23 | 45 | | 63097 | 2-596-035-376C |
| 23 | 46 | | 63097 | 2-460-018-375 |
| 23 | 47 | | 63097 | 2-732-002-250 |
| 23 | 48 | | 63097 | 2-595-208-610 |
| 23 | 49 | | 63097 | 2-500-057-610C |
| 23 | 50 | | 63097 | 2-261-001-100 |
| 23 | 51 | | 63097 | 2-503-013-375C |
| 24 | 1 | | 63097 | 2-150-031-255 |
| 24 | 2 | | 63097 | 2-315-003-80615C |
| 24 | 3 | | 63097 | LM3795903 |
| 24 | 4 | | 63097 | 2-798-015-100 |
| 24 | 5 | | 63097 | 2-595-012-376 |
| 24 | 6 | | 63097 | 2-799-033-376 |
| 24 | 7 | | 63097 | 2-305-020-806-62 |

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| FIG. | ITEM | STOCK NUMBER | CAGEC | PART NO. |
|------|------|------------------|-------|-------------------------|
| 24 | 8 | | 63097 | 2-797-013-100 |
| 24 | 9 | | 63097 | 2-306-017-806-62 |
| 24 | 10 | | 63097 | 2-799-040-100 |
| 24 | 11 | | 63097 | 2-765-007-371 |
| 24 | 12 | | 63097 | 2-765-006-371 |
| 24 | 13 | | 63097 | 2-762-024-100 |
| 24 | 14 | | 63097 | 2-795-031-100 |
| 25 | 1 | | 90854 | H0052 |
| 25 | 2 | | 80204 | ANS15163 |
| 25 | 3 | | 80204 | ANSIB1613 |
| 25 | 4 | | 96906 | MS51846A-60 |
| 25 | 5 | | 82666 | FIGB103 |
| 25 | 6 | | 82666 | FIG103/B13-175 |
| 25 | 7 | | 80204 | ANSIB163 |
| 25 | 8 | 5310-00-768-0319 | 96906 | MS51968-2 |
| 25 | 9 | 5310-00-933-8121 | 96906 | MS35338-139 |
| 25 | 10 | 5305-00-226-7234 | 96906 | MS90725-26 |
| 25 | 11 | | 96906 | MS9552-206 |
| 25 | 12 | | 80204 | ANSIB31.1 |
| 25 | 13 | | 80204 | ANSIB31.1 |
| 25 | 14 | | 81348 | WWU5310STA |
| 25 | 15 | 4730-00-253-4414 | 96906 | MS39230-4 |
| 26 | 1 | 5310-00-903-5966 | 96906 | MS51971-1 |
| 26 | 2 | | 96906 | MS35307-319 |
| 26 | 3 | | 97403 | 231B9-38 |
| 26 | 4 | | 97403 | 231B9-46 |
| 26 | 5 | | 80204 | ANSIB31.1 |
| 26 | 6 | | 80204 | ANSIB31.1 |
| 26 | 7 | | 80204 | ANSIB31.1 |
| 26 | 8 | 5310-00-488-9327 | 96906 | MS35650-3394 |
| 26 | 9 | | 96906 | MS35764-1449 |
| 26 | 10 | | 80204 | ANSIB31.1 |
| 26 | 11 | | 97403 | 231B9-32 |
| 26 | 12 | | 80204 | ANSIB31.1 |
| 26 | 13 | | 80204 | ANSIB31.1 |
| 26 | 14 | | 80204 | ANSIB31.1 |
| 26 | 15 | | 02056 | SIINIO0 |
| 27 | 1 | 5310-00-903-5966 | 96906 | MS51971-1 |
| 27 | 2 | | 96906 | MS35307-319 |
| 27 | 3 | | 80204 | ANSIB31.1 |
| 27 | 4 | | 97403 | 231B9-45 |
| 27 | 5 | | 80204 | ANSIB31.1 |
| 27 | 6 | | 80204 | ANSIB31.1 |
| 27 | 7 | | 02056 | SIIN100 |
| 28 | 1 | 4730-00-054-6226 | 96906 | MS27024-18 |
| 28 | 2 | | 81348 | TYPE2,CL2,TRADE NO.4 |
| 28 | 3 | 5330-00-899-4509 | 96906 | MS27030-9 |
| 28 | 4 | | 96906 | MS27029-18NPN |
| 28 | 5 | | 96906 | MS51953-270 |
| 28 | 6 | | 96906 | MS35307-319 |

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| FIG. | ITEM | STOCK NUMBER | CAGEC | PART NO. |
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| 28 | 7 | 5310-00-903-5966 | 96906 | MS51971-1 |
| 28 | 8 | | 97403 | 13222E5955-FL1 |
| 28 | 9 | | 97403 | 231B9-46 |
| 28 | 10 | | 97403 | 13222E5955-F4 |
| 28 | 11 | | 97403 | 231B9-45 |
| 28 | 12 | | 93115 | 1949 |
| 28 | 13 | | 97403 | 13222E5955-F3 |
| 28 | 14 | | 97403 | 13222E5955-P1 |
| 28 | 15 | | 97403 | 13222E5955-F2 |
| 28 | 16 | | 97403 | 13222E5955-F5 |
| 28 | 17 | | 97403 | 13222E5955-FL2 |
| 28 | 18 | | 97403 | 13222E5955-F6 |
| 28 | 19 | | 97403 | 13222E5955-P5 |
| 28 | 20 | | 53059 | M16293C45 |
| 28 | 21 | | 96906 | MS9015-14 |
| 28 | 22 | | 96906 | MS9093-11 |
| 28 | 23 | | 53059 | CAP3AF250 |
| 28 | 24 | | 53059 | 118PERFSS3AF250 |
| 28 | 25 | | 53059 | GAS3AF250 |
| 28 | 26 | | 79154 | STYLE77 |
| 28 | 27 | | 79154 | STYLE741 |
| 29 | 1 | | 79154 | STYLE77 |
| 29 | 2 | | 80204 | ANSIB31.1 |
| 29 | 3 | | 79154 | STYLE77 |
| 29 | 4 | | 79154 | SERIES700 |
| 29 | 5 | | 80204 | ANSIB31.1 |
| 29 | 6 | | 79154 | STYLE50 |
| 29 | 7 | | 79154 | STYLE77 |
| 30 | 1 | | 82666 | FIG181 |
| 30 | 2 | | 81348 | WWP406 |
| 30 | 3 | | 82666 | FIG8103 |
| 30 | 4 | | 82666 | 716G103/B13-175 |
| 30 | 5 | | 80204 | ANSIB16.3 |
| 30 | 6 | | 81348 | WWU531-05-T-A |
| 30 | 7 | | 80204 | ANSIB16.3 |
| 30 | 8 | | 80204 | ANSIB16.3 |
| 30 | 9 | | 82666 | FIGB31? |
| 31 | 1 | | 24181 | 7239 |
| 31 | 2 | | 96906 | MS27030-9 |
| 31 | 3 | 4030-00-174-1243 | 96906 | MS87006-2 |
| 31 | 4 | 4010-00-171-4512 | 81348 | RR-C-271,TYPE 2, • CLASS 3 |
| 31 | 5 | | 24181 | 723918 |
| 31 | 6 | | 80204 | ANSIA106 |
| 31 | 7 | | 82666 | FIGB103 |
| 31 | 8 | | 82666 | FIGB103-P |
| 31 | 9 | | 80204 | ANS1516.3 |
| 31 | 10 | | 97403 | 13222E5954 |
| 32 | 1 | | 93115 | MDL143 |
| 32 | 2 | | 93115 | 114707 |
| 32 | 3 | | 93115 | 115955 |

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| FIG. | ITEM | STOCK NUMBER | CAGEC | PART NO. |
|------|------|------------------|-------|-------------------------------------|
| 32 | 4 | | 93115 | 934039 |
| 32 | 5 | | 93115 | 934046 |
| 32 | 6 | | 93115 | 75661 |
| 32 | 7 | | 93115 | 56175 |
| 32 | 8 | | 93115 | 56176 |
| 32 | 9 | | 93115 | MDL143 |
| 33 | 1 | 2910-01-228-0231 | 81718 | OPW1290 |
| 33 | 2 | 2910-01-228-5761 | 81718 | 5D |
| 33 | 3 | | 24161 | 9200SB |
| 33 | 4 | | 81349 | MIL-H-370 TYPE 2 CLASS 1 STYLE A |
| 34 | 1 | | 04366 | MS30A1 |
| 34 | 2 | | 04366 | 306 |
| 34 | 3 | | 04366 | 40136 |
| 34 | 4 | | 04366 | 6255 |
| 34 | 5 | | 04366 | 46126 |
| 34 | 6 | | 04366 | 2188 |
| 34 | 7 | | 04366 | 6148 |
| 34 | 8 | | 04366 | 7224 |
| 34 | 9 | | 04366 | 41786 |
| 34 | 10 | 3020-01-155-0184 | 04366 | 40818 |
| 34 | 11 | | 04366 | 46824 |
| 34 | 12 | | 04366 | 6840 |
| 34 | 13 | | 04366 | 41560 |
| 34 | 14 | | 04366 | 46609 |
| 34 | 15 | 5330-00-605-5824 | 04366 | 4294 |
| 34 | 16 | 5305-00-059-3655 | 96906 | MS51958-59 |
| 34 | 17 | | 79142 | 01132 |
| 34 | 18 | | 04366 | 362 |
| 34 | 19 | | 04366 | 7063 |
| 34 | 20 | | 04366 | 42660 |
| 34 | 21 | 6680-00-053-4963 | 04366 | 42600 |
| 34 | 22 | | 04366 | 4494 |
| 34 | 23 | | 04366 | 46129 |
| 34 | 24 | | 04366 | 6754 |
| 34 | 25 | | 04366 | 6081 |
| 34 | 26 | | 04366 | 44074 |
| 34 | 27 | | 04366 | 7143 |
| 34 | 28 | | 04366 | 6788 |
| 34 | 29 | | 04366 | 6019 |
| 34 | 30 | | 04366 | 4295 |
| 34 | 31 | | 04366 | 46823 |
| 34 | 32 | | 04366 | 46803 |
| 34 | 33 | | 04366 | 6961 |
| 34 | 34 | | 04366 | 6707 |
| 34 | 35 | | 04366 | 7294 |
| 34 | 36 | | 04366 | 6461 |
| 34 | 37 | | 04366 | 46806 |
| 34 | 38 | | 04366 | 7176 |
| 34 | 39 | | 04366 | 43817 |
| 34 | 40 | | 04366 | 43816 |

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| FIG. | ITEM | STOCK NUMBER | CAGEC | PART NO. |
|-------------|-------------|---------------------|--------------|-----------------|
| 34 | 41 | 3020-01-228-5762 | 04366 | 43815 |
| 34 | 42 | | 04366 | 4646 |
| 34 | 43 | | 04366 | 4644 |
| 34 | 44 | 2910-01-228-5763 | 04366 | 44102 |
| 34 | 45 | | 04366 | 40099 |
| 34 | 46 | 5315-01-229-6093 | 04366 | 4506 |
| 34 | 47 | 4320-01-228-5764 | 04366 | 46802 |
| 34 | 48 | 2910-01-228-5765 | 04366 | 40714 |
| 34 | 49 | | 04366 | 4444 |
| 34 | 50 | | 04366 | 6054 |
| 34 | 51 | | 04366 | 46800 |
| 34 | 52 | 2910-01-228-5763 | 04366 | 44102 |
| 34 | 53 | | 04366 | 46835 |
| 34 | 54 | | 04366 | 46805 |

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*Brigadier General, United States Army
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The Metric System and Equivalents

Linear Measure

1 centimeter = 10 millimeters = .39 inch
 1 decimeter = 10 centimeters = 3.94 inches
 1 meter = 10 decimeters = 39.37 inches
 1 dekameter = 10 meters = 32.8 feet
 1 hectometer = 10 dekameters = 328.08 feet
 1 kilometer = 10 hectometers = 3,280.8 feet

Liquid Measure

1 centiliter = 10 milliliters = .34 fl. ounce
 1 deciliter = 10 centiliters = 3.38 fl. ounces
 1 liter = 10 deciliters = 33.81 fl. ounces
 1 dekaliter = 10 liters = 2.64 gallons
 1 hectoliter = 10 dekaliters = 26.42 gallons
 1 kiloliter = 10 hectoliters = 264.18 gallons

Weights

1 centigram = 10 milligrams = .15 grain
 1 decigram = 10 centigrams = 1.54 grains
 1 gram = 10 decigram = .035 ounce
 1 dekagram = 10 grams = .35 ounce
 1 hectogram = 10 dekagrams = 3.52 ounces
 1 kilogram = 10 hectograms = 2.2 pounds
 1 quintal = 100 kilograms = 220.46 pounds
 1 metric ton = 10 quintals = 1.1 short tons

Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch
 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet
 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres
 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches
 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

Approximate Conversion Factors

| To change | To | Multiply by | To change | To | Multiply by |
|------------------|--------------------|--------------------|--------------------|---------------|--------------------|
| inches | centimeters | 2.540 | ounce-inches | newton-meters | .007062 |
| feet | meters | .305 | centimeters | inches | .394 |
| yards | meters | .914 | meters | feet | 3.280 |
| miles | kilometers | 1.609 | meters | yards | 1.094 |
| square inches | square centimeters | 6.451 | kilometers | miles | .621 |
| square feet | square meters | .093 | square centimeters | square inches | .155 |
| square yards | square meters | .836 | square meters | square feet | 10.764 |
| square miles | square kilometers | 2.590 | square meters | square yards | 1.196 |
| acres | square hectometers | .405 | square kilometers | square miles | .386 |
| cubic feet | cubic meters | .028 | square hectometers | acres | 2.471 |
| cubic yards | cubic meters | .765 | cubic meters | cubic feet | 35.315 |
| fluid ounces | milliliters | 29,573 | cubic meters | cubic yards | 1.308 |
| pints | liters | .473 | milliliters | fluid ounces | .034 |
| quarts | liters | .946 | liters | pints | 2.113 |
| gallons | liters | 3.785 | liters | quarts | 1.057 |
| ounces | grams | 28.349 | liters | gallons | .264 |
| pounds | kilograms | .454 | grams | ounces | .035 |
| short tons | metric tons | .907 | kilograms | pounds | 2.205 |
| pound-feet | newton-meters | 1.356 | metric tons | short tons | 1.102 |
| pound-inches | newton-meters | .11296 | | | |

Temperature (Exact)

| | | | | |
|--------------------|---------------------------|-------------------------------|------------------------|--------------------|
| $^{\circ}\text{F}$ | Fahrenheit temperature | 5/9 (after subtracting 32) | Celsius temperature | $^{\circ}\text{C}$ |
|--------------------|---------------------------|-------------------------------|------------------------|--------------------|

PIN: 055542-000