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**TECHNICAL MANUAL**

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

**LOADER, SCOOP TYPE, DED 4 X 4  
ARTICULATED FRAME STEER, 4 1/2 TO  
5 CU. YD., (CCE)**

**ARMY MODEL H100C RB**

**TYPE I WITH 4 1/2 CU. YD. ROCK  
BUCKET  
NSN 3805-01-052-9042**

**ARMY MODEL H100C GPB**

**TYPE II WITH 5 CU. YD.  
GENERAL PURPOSE BUCKET  
NSN 3805-01-052-9043**

**SUPERSEDES COPY DATED 1 May 1986 AND ALL CHANGES.  
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**HEADQUARTERS, DEPARTMENT OF THE ARMY  
SEPTEMBER 1988**

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Current as of 2 June 1988.

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

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## SECTION I

## UNIT MAINTENANCE

## REPAIR PARTS AND SPECIAL TOOLS LIST

## SECTION I. INTRODUCTION

**1. Scope.**

This RPSTL lists and authorizes spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE); and other special support equipment required for performance of Unit Maintenance of the Loader, Scoop Type. It authorizes the requisitioning, Issue, and disposition of spares, repair parts and special tools as indicated by the source, maintenance and recoverability (SMR) codes.

**2. General.**

In addition to Section I. Introduction, this Repair Parts and Special Tools List is divided into the following sections:

a. *Section II. Repair Parts List.* A list of spares and repair parts authorized by this RPSTL for use in the performance of maintenance. 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 kits are listed separately in their own functional group within Section II. Repair parts for reparable special tools are also listed in the section. Items listed are shown on the associated illustration(s)/figure(s).

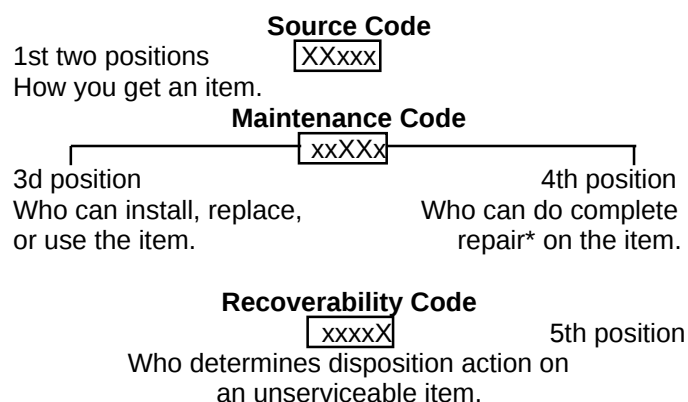
b. *Section III. Special Tools List.* A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE column) for the performance of maintenance.

c. *Section IV Cross-reference 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 numbers in alphanumeric sequence and cross-references NSN, FSCM or CAGE, and part numbers.

**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 instructions, 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.

## SECTION I

(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                                           | Application/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 3d position of the SMR code.                                                                                                                                                                                                                                                                                  |
| PB                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| PC**                                           | ** Items coded PC are subject to deterioration.                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| PD                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| PE                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| PF                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| PG                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 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 3d position of the SMR code. The complete kit must be requisitioned and applied.                                                                                                                                                                                                                                |
| KF                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| KB                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MO-(Made at UM/ 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 3d 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                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ML-(Made at Specialized Repair Activity (SRA)) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MD-(Made at Depot)                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| AO-(Assembled by UM/ 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 3d position code of the SMR code authorizes you to replace the item, but the source code indicates the item is assembled at a higher level, order the item from the higher level of maintenance.                                           |
| AF-(Assembled by DS/AVIM Level)                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| AH-(Assembled by GS Category)                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| AL-(Assembled by SRA)                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| AD-(Assembled by Depot)                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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

XB - If an "XB" item is not available from salvage, order it using the FSCM or CAGE and part number given.

XC- Installation drawing, diagram, instruction sheet, field service drawing, that is identified by the manufacturer's part number.

XD - Item is not stocked. Order an "XD"-coded item through normal supply channels using the FSCM or CAGE 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 700-42.

(2) *Maintenance Code.* Maintenance codes tell you the level(s) of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the SMR code as follows:

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

| Code | Application/Explanation                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C -  | Crew or operator maintenance done within unit maintenance or aviation unit maintenance.                                                                                                                                                                                                                                                                                                                                                                                       |
| O -  | Unit maintenance or aviation unit category 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: |
| O -  | Unit maintenance 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 than can do complete repair of the item.                                                                                                                                                                                                                                                                                                                                                                          |
| H-   | Intermediate General support is the lowest level that can do complete repair of the item.                                                                                                                                                                                                                                                                                                                                                                                     |

## SECTION I

- D - Depot 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.
- 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:

| <u>Code</u> | <u>Application/Explanation</u>                                                                                                                                                                                                                        |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Z-          | Nonreparable item. When unserviceable, condemn and dispose of the item at the level of maintenance shown in the 3d position of the SMR code.                                                                                                          |
| O -         | Reparable item. When uneconomically reparable, condemn and dispose of the item at unit maintenance or aviation unit level.                                                                                                                            |
| F -         | Reparable item. When uneconomically reparable, condemn and dispose of the item at the direct support or aviation intermediate level.                                                                                                                  |
| H -         | Reparable item. When uneconomically reparable, condemn and dispose of the item at the general support level.                                                                                                                                          |
| D -         | Reparable item. When beyond lower level repair capability, return to depot. Condemnation and disposal of item not authorized below depot level.                                                                                                       |
| L -         | Reparable item. Condemnation and disposal of item 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. *FSCM or CAGEC (Column (3))*. The Federal Supply Code for Manufacturer (FSCM) or The Commercial and Government Entity (CAGE) Code (C) is a 5-digit alphanumeric 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) Physical security classification. Not Applicable.

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

(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 III and SECTION IIII.

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 the quantity may vary from application to application.

#### 4. Explanation of Columns (SECTION IIV).

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

## SECTION I

(1) **STOCK NUMBER column.** This column lists the NSN by National Item Identification Number (NIIN) sequence. The NIIN consists of the last nine

NSN  
digits of the NSN (i.e., 5305-01-674-1467). When  
NIIN  
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 III and SECTION IIII.

(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 (CAGE) Code (C) is a 5-digit alphanumeric 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 FSCM or CAGE 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 the 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 Sections 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 (CAGE) Code (C) is a 5-digit alphanumeric 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 left corner of the Description column heading. Usable on codes are shown as "UOC:....." in the Description column (justified left) on the first line following applicable item description/nomenclature. Uncoded items are applicable to all models. Identification of the usable on codes used in the RPSTL are:

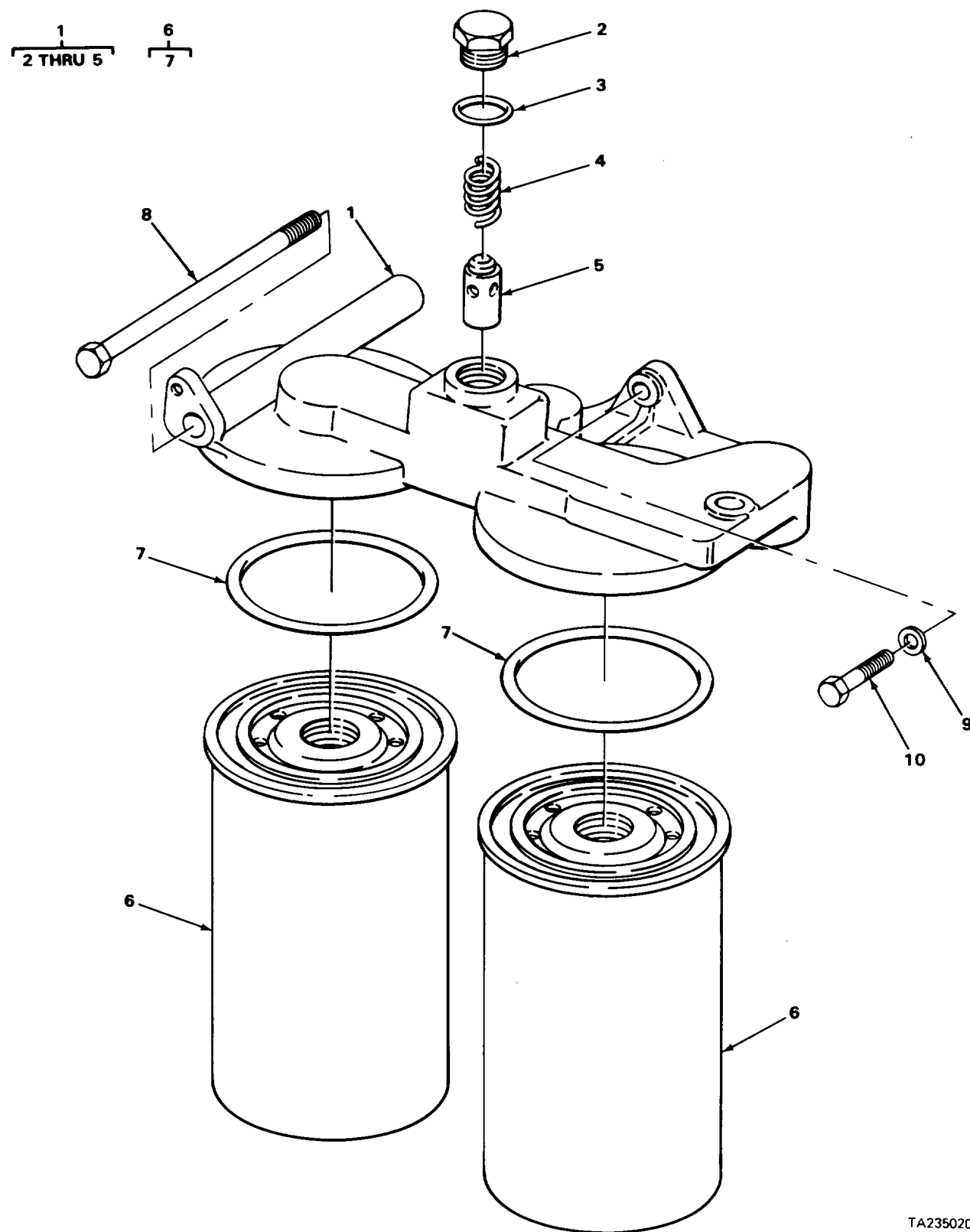
| <u>Code</u> | <u>Used On</u>  |
|-------------|-----------------|
| U93         | Model H100C GPB |
| U94         | Model H100C RB  |

b. **FABRICATION INSTRUCTIONS.** Bulk materials required to manufacture items are listed in the Bulk Material Functional Group of this RPSTL. Part numbers for bulk materials are also referenced in the Description column of the line item entry for the item to be manufactured/fabricated. Detailed fabrication instructions for items source coded to be manufactured or fabricated are found in TM 5-3805-255-14&P.

c. **ASSEMBLY INSTRUCTIONS.** Detailed assembly instructions for items source coded to be assembled from component spare/repair parts are found in TM 5-3805-255-14&P. Items that make up the assembly "entry or reference is made to the applicable figure.

d. **KITS.** Line item entries for repair parts kits appear in group 9401 in SECTION III.

e. **INDEX NUMBERS.** Items which have the word BULK in the figure column will have an index number



TA235020

FIGURE 2. LUBRICATING OIL FILTER

## SECTION II

TM 5-3805-255-20PC01

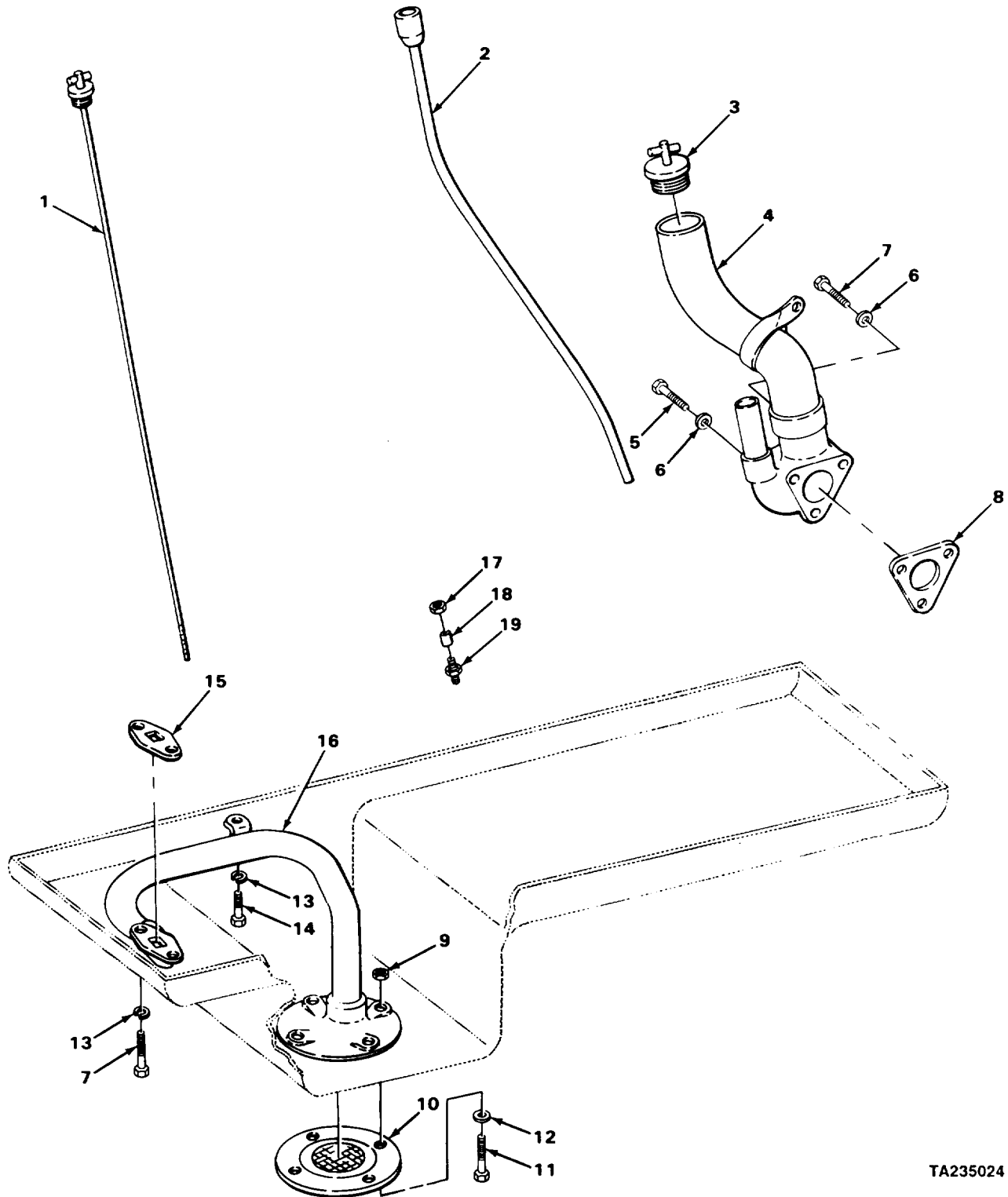
| (1)<br>ITEM<br>NO | (2)<br>SMR<br>CODE | (3)<br>CAGEC | (4)<br>PART<br>NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODES (UOC) | (6)<br>QTY |
|-------------------|--------------------|--------------|-----------------------|----------------------------------------------|------------|
|-------------------|--------------------|--------------|-----------------------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

## GROUP 0106 ENGINE LUBRICATION SYSTEM

## FIG. 2 LUBRICATION OIL FILTER

|     |       |       |           |                                      |   |
|-----|-------|-------|-----------|--------------------------------------|---|
| 1   | XDOOO | 29510 | 684452C91 | HEADER LUB OIL FILTER.. .....        | 1 |
| 2   | PFOZZ | 29510 | 278466R1  | .NUT, LUBRICATING OIL VALVE .....    | 1 |
| * 3 | XDOZZ | 29510 | 120428C1  | .GASKET .....                        | 1 |
| 4   | XDOZZ | 29510 | 601916C1  | .SPRING.....                         | 1 |
| 5   | PFOZZ | 92679 | 601917C1  | .VALVE LUBRICATING O.....            | 1 |
| * 6 | PFOZZ | 64829 | 6693736   | FILTER ELEMENTVFLUI .....            | 2 |
| 7   | PFOZZ | 81321 | 6693625   | RETAINER,PACKING LUB OIL FILTER..... | 2 |
| 8   | PFOZZ | 29510 | 25303R1   | SCREW,CAP,HEXAGON H.....             | 1 |
| 9   | PFOZZ | 29510 | 26273R1   | WASHER, FLAT.....                    | 1 |
| 10  | PFOZZ | 29510 | 24863R1   | BOLT,MACHINE .....                   | 1 |

END OF FIGURE



TA235024 |

FIGURE 2A. OIL GAGE, FILLER PIPE, LUBRICATING SUCTION PIPING AND RELATED PARTS.

| SECTION II |      |       | TM 5-3805-255-20PC01 |                                       |     |
|------------|------|-------|----------------------|---------------------------------------|-----|
| (1)        | (2)  | (3)   | (4)                  | (5)                                   | (6) |
| ITEM       | SMR  |       | PART                 |                                       |     |
| NO         | CODE | CAGEC | NUMBER               | DESCRIPTION AND USABLE ON CODES (UOC) | QTY |

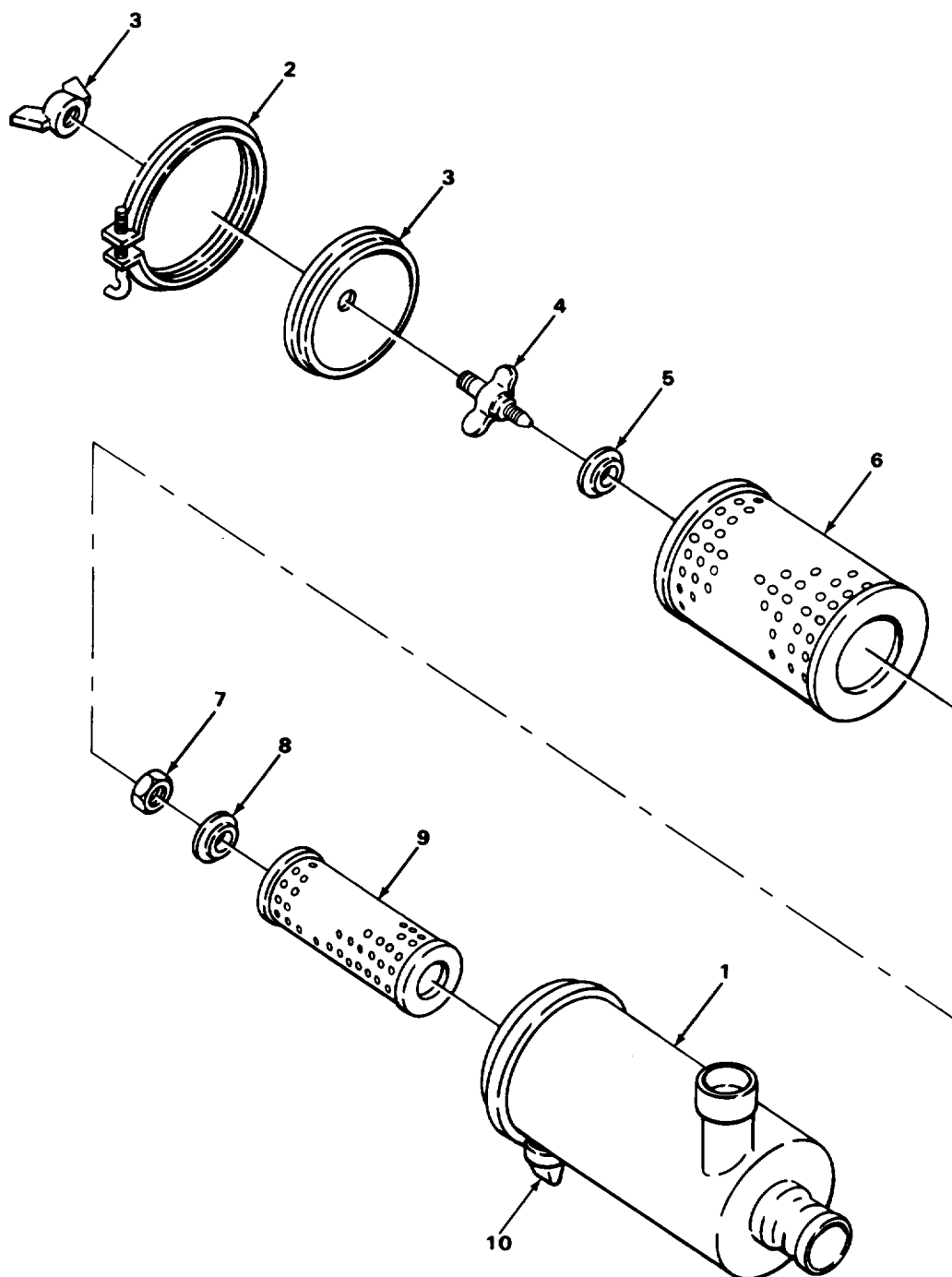
GROUP 0106 ENGINE LUBRICATION SYSTEM  
FIG. 2A OIL GAGE, FILLER PIPE,  
LUBRICATING SUCTION PIPING AND  
RELATED PARTS

|    |       |       |                 |                                            |   |
|----|-------|-------|-----------------|--------------------------------------------|---|
| 1  | PFOZZ | 29510 | 307932R91       | GAUGE, ROD-CAP, LIQU .....                 | 1 |
| 2  | PFOZZ | 29510 | 601242C11       | FILLER NECK .....                          | 1 |
| 3  | PFOZZ | 29510 | 303761R91       | CAP, FILLER OPENING .....                  | 1 |
| 4  | PFOZZ | 29510 | 332699R91       | FILLER NECK .....                          | 1 |
| 5  | PFOZZ | 89346 | 24840R1         | BOLT .....                                 | 1 |
| 6  | PFOZZ | 29510 | 25896R1         | WASHER, FLAT .....                         | 3 |
| 7  | PFOZZ | 80204 | B1821BH038CZ75N | SCREW, CAP, HEXAGON H .....                | 4 |
| 8  | PFOZZ | 29510 | 278603R1        | GASKET .....                               | 1 |
| 17 | PFOZZ | 29510 | 265067R1        | NUT, OIL LEVEL GAUGE .....                 | 1 |
| 18 | PFOZZ | 29510 | 265066R1        | SLEEVE, COMPRESSION, OIL LEVEL GAUGE ..... | 1 |
| 19 | XDOZZ | 29510 | 319816R1        | ADAPTER, STRAIGHT, PI .....                | 1 |

END OF FIGURE

2A-1

1  
2 THRU 10



TA235032

FIGURE 3. AIR CLEANER

## SECTION II

TM 5-3805-255-20PC01

| (1)<br>ITEM<br>NO      | (2)<br>SMR<br>CODE | (3)<br>CAGEC | (4)<br>PART<br>NUMBER | (5)<br>DESCRIPTION AND USABLE ON CODES (UOC) | (6)<br>QTY |
|------------------------|--------------------|--------------|-----------------------|----------------------------------------------|------------|
| GROUP 03 FUEL SYSTEM   |                    |              |                       |                                              |            |
| GROUP 0304 AIR CLEANER |                    |              |                       |                                              |            |
| FIG. 3 AIR CLEANER     |                    |              |                       |                                              |            |
| 1                      | X0000              | 29510        | 929376C91             | CLEANER ASSEMBLY AIR.....                    | 1          |
| 2                      | XDOZZ              | 29510        | 702668C91             | .CLAMP COVER .....                           | 1          |
| 3                      | XDOZZ              | 29510        | 929642C1              | .COVER WITH WINGNUT .....                    | 1          |
| 4                      | XDOZZ              | 29510        | 929641C1              | .BOLT, WING .....                            | 1          |
| 5                      | PFOZZ              | 29510        | 920718C1              | .WASHER,SPRING TENS.....                     | 1          |
| 6                      | PFOZZ              | 00736        | CD1628500-826         | .FILTER ELEMENT,INTA.....                    | 1          |
| 7                      | PFOZZ              | 96906        | MS21083N12            | .NUT, SELF-LOCKING,HE .....                  | 1          |
| * 8                    | XDOZZ              | 29510        | 619052C1              | .WASHER1SHOULDERED .....                     | 1          |
| 9                      | PFOZZ              | 29510        | 702673C1              | .FILTER ELEMENT,INTA.....                    | 1          |
| 10                     | XDOZZ              | 29510        | 615679C1              | .UNLOADER .....                              | 1          |

END OF FIGURE