*This manual supersedes M44A1 and M44A2 series data in TM 9-2320-209-20P. Retain TM 9-2320-209-20P for supporting M35 and M44 series trucks.

# TECHNICAL MANUAL

# UNIT MAINTENANCE
# REPAIR PARTS AND SPECIAL TOOLS LIST

# FOR

# TRUCK, 2 1/2-TON, 6X6, M44A1 AND M44A2 SERIES (MULTIFUEL)

| MODEL | | EIC NSN WITHOUT WINCH | EIC NSN WITH WINCH |
|---|---|---|---|
| TRUCK, CARGO | M35A1 | BM5 2320-00-542-5633 | BM6 2320-00-542-5634 |
| | M35A2 | BMA 2320-00-077-1616 | BMB 2320-00-077-1617 |
| TRUCK, CARGO, XLWB | M36A2 | BMC 2320-00-077-1618 | BMD 2320-00-077-1619 |
| TRUCK, CARGO, DROPSIDE | M35A2C | BMR 2320-00-926-0873 | BMS 2320-00-926-0875 |
| TRUCK, DUMP | M342A2 | BMN 2320-00-077-1643 | BMP 2320-00-077-1644 |
| TRUCK, TRACTOR | M275A1 | BM4 2320-00-446-2479 | |
| | M275A2 | BML 2320-00-077-1640 | BMB 2320-00-077-1641 |
| TRUCK, TANK, FUEL SERVICING | M49A1C | BMX 2320-00-440-3394 | BMB 2320-00-440-3346 |
| | M49A2C | BME 2320-00-077-1631 | BMF 2320-00-077-1632 |
| TRUCK, TANK, WATER | M50A1 | BMZ 2320-00-440-8307 | |
| | M50A2 | BMG 2320-00-077-1633 | |
| | M50A3 | BMT 2320-00-937-4036 | BMU 2320-00-937-5264 |
| TRUCK, PIPELINE CONSTRUCTION | M756A2 | | BMQ 2320-00-904-3277 |
| TRUCK, MAINTENANCE, EARTH BORING MACHINE AND POLE SETTER | M764 | | BMV 2320-00-937-5980 |
| TRUCK, VAN, SHOP | M109A2 | BM3 2320-00-440-8313 | BM2 2320-00-440-8308 |
| | M109A3 | BMJ 2320-00-077-1636 | BMK 2320-00-077-1637 |
| TRUCK, VAN, REPAIR | M185A2 | BM8 4940-00-987-8799 | |
| | M185A3 | BMW 4940-00-007-1638 | |

DISTRIBUTION STATEMENT A. Approved for Public Release; Distribution is Unlimited.

HEADQUARTERS, DEPARTMENT OF THE ARMY OCTOBER 1993

**TECHNICAL MANUAL**
**NO. 9-2320-361-20P**

**TECHNICAL ORDER**
**NO. 36A12-1B-1114**

**HEADQUARTERS**
**DEPARTMENT OF THE ARMY**
**Washington D. C., *25 October 1993***

# UNIT MAINTENANCE
# REPAIR PARTS AND SPECIAL TOOLS LIST

## TRUCK, 2 1/2-TON, 6X6, M44A1 AND M44A2 SERIES (MULTIFUEL)

| Model | | NSN Without Winch | NSN With Winch |
|---|---|---|---|
| TRUCK, CARGO | M35A1 | 2320-00-542-5633 | 2320-00-542-5634 |
| | M35A2 | 2320-00-077-1616 | 2320-00-077-1617 |
| TRUCK, CARGO, XLWB | M36A2 | 2320-00-077-1618 | 2320-00-077-1619 |
| TRUCK, CARGO, DROPSIDE | M35A2C | 2320-00-926-0873 | 2320-00-926-0875 |
| TRUCK, DUMP | M342A2 | 2320-00-077-1643 | 2320-00-077-1644 |
| TRUCK, TRACTOR | M275A1 | 2320-00-446-2479 | |
| | M275A2 | 2320-00-077-1640 | 2320-00-077-1641 |
| TRUCK, TANK, FUEL SERVICING | M49A1C | 2320-00-440-3349 | 2320-00-440-3346 |
| | M49A2C | 2320-00-077-1631 | 2320-00-077-1632 |
| TRUCK, TANK, WATER | M50A1 | 2320-00-440-8307 | |
| | M50A2 | 2320-00-077-1633 | |
| | M50A3 | 2320-00-937-4036 | 2320-00-937-5264 |
| TRUCK, PIPELINE CONSTRUCTION | M756A2 | | 2320-00-904-3277 |
| TRUCK, MAINTENANCE, EARTH BORING MACHINE AND POLE SETTER | M764 | | 2320-00-937-5980 |
| TRUCK, VAN, SHOP | M109A2 | 2320-00-440-8313 | 2320-00-440-8308 |
| | M109A3 | 2320-00-077-1636 | 2320-00-077-1637 |
| TRUCK, VAN, REPAIR | M185A2 | 4940-00-987-8799 | |
| | M185A3 | 4940-00-077-1638 | |

* This manual supersedes M44A1 and M44A2 series data in TM 9-2320-209-20P. Retain TM 9-2320-209-20P for supporting M35 and M44 series trucks.

**Current as of 29 January 1993**

**REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS**

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in the back of this manual direct to: Commander, U.S. Army Tank-Automotive Command, ATTN: AMSTA-MB, Warren, MI 48397-5000. A reply will be furnished to you.

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# UNIT MAINTENANCE
# REPAIR PARTS AND SPECIAL TOOLS LIST

## SECTION I. INTRODUCTION

### 1. Scope.

This Repair Parts and Special Tools List (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 2-1/2-ton, 6x6, M44A1 and M44A2 series vehicles. 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 parts kits are listed separately in their own functional group within Section II. Repair parts for reparable special tools are also listed in this section. Items listed are shown on the associated illustration(s)/figure(s).

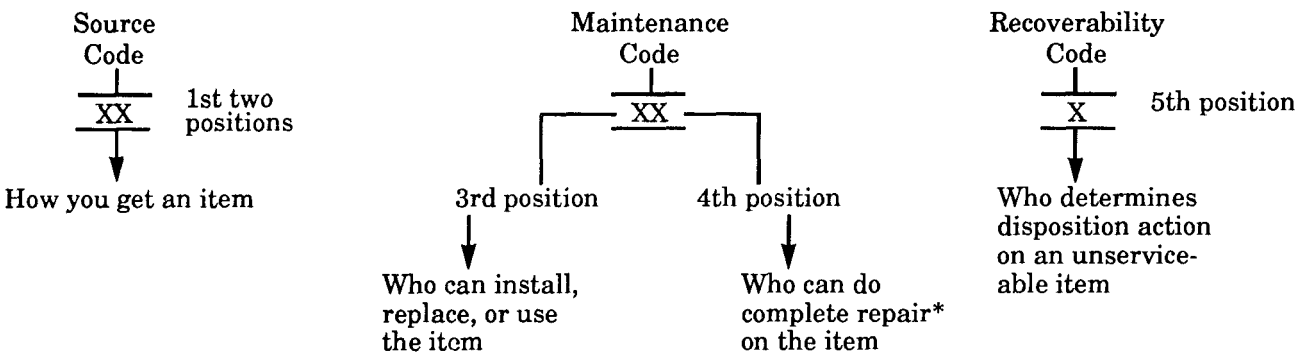
**b. Section III. Special Tools List.** A list of special tools, special TMDE, and other special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in DESCRIPTION AND USABLE ON CODE column) for the performance of maintenance.

**c. Section IV. Cross-Reference Index.** A list, in National Item Identification Number (NIIN) sequence, of all National Stock Numbered (NSN) 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, Commercial and Government Entity Code (CAGEC), 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.

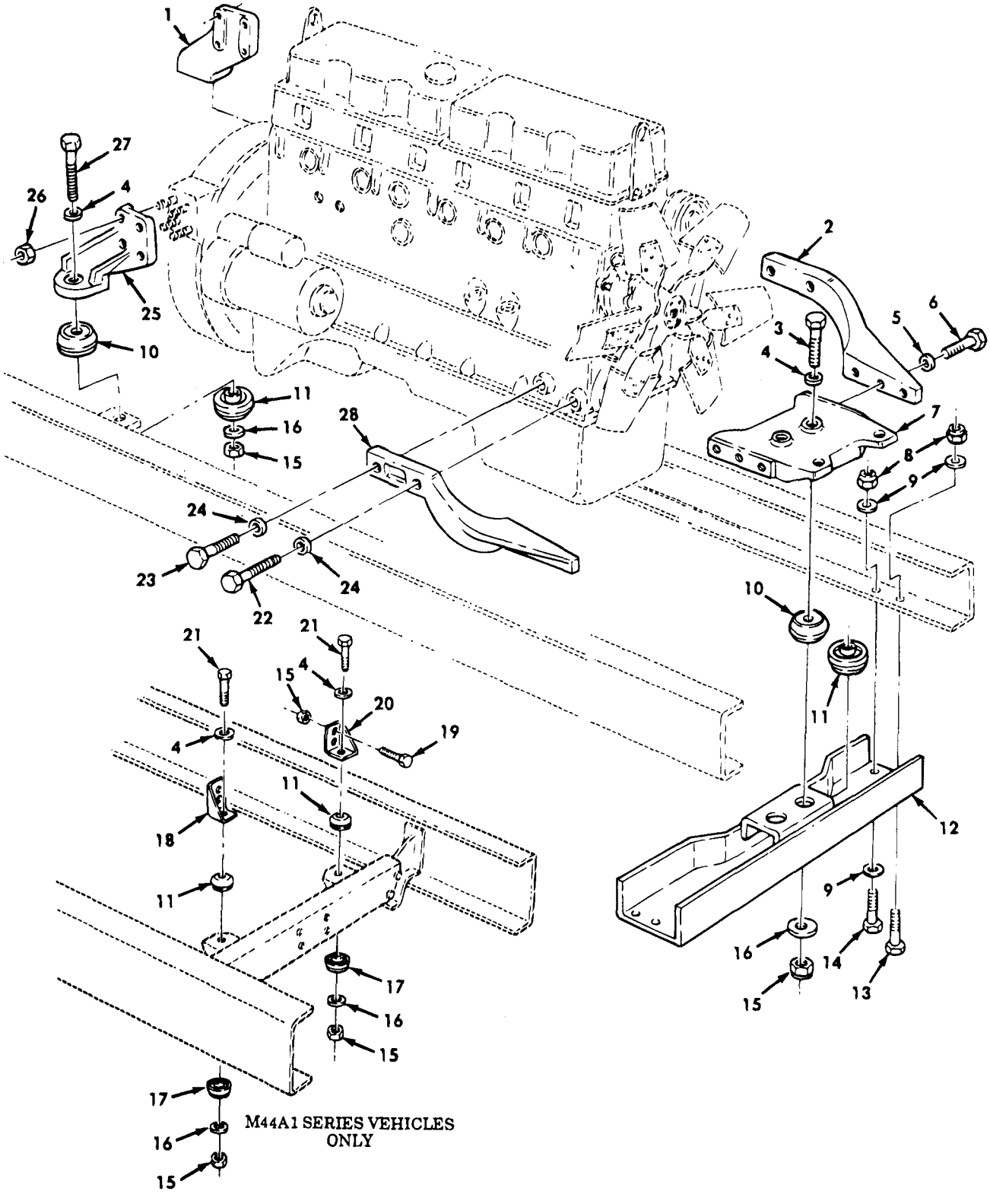



*Figure 2. Engine Mounting and Related Parts.*

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|---|---|---|---|---|---|
| | | | | GROUP 0100 ENGINE ASSEMBLY | |
| | | | | FIG. 2 ENGINE MOUNTING AND RELATED PARTS | |
| 3 | PAOZZ | 19207 | 10872152-1 | BOLT,SHOULDER | 2 |
| 4 | PAOZZ | 19207 | 10872160 | WASHER,FLAT | 4 |
| 5 | PAOZZ | 19207 | 10937969-2 | WASHER,FLAT | 6 |
| 6 | PAOZZ | 96906 | MS35764-1295 | BOLT,SELF-LOCKING | 6 |
| 7 | PFOZZ | 19207 | 11609698 | PLATE,MOUNTING,ENGI | 1 |
| 10 | PAOZZ | 19207 | 7538641 | MOUNT,RESILIENT UPPER | 4 |
| 11 | PAOZZ | 19207 | 7538640 | MOUNT,RESILIENT LOWER | 4 |
| 15 | PAOZZ | 96906 | MS51943-40 | NUT,SELF-LOCKING,HE<br>UOC:435,436,490,493,512,526,537,538,542 | 4 |
| 15 | PAOZZ | 96906 | MS51943-40 | NUT,SELF-LOCKING,HE<br>UOC:B48,B95,B96,437,438,444,445,446,455,456,470,483,484,503,506,507,510,511,516,527 | 8 |
| 16 | PAOZZ | 19207 | 10897126 | WASHER,FLAT | 4 |
| 17 | PAOZZ | 06853 | 397A1 | MOUNT,RESILIENT<br>UOC:435,436,490,493,512,526,537,538,542 | 2 |
| 21 | PAOZZ | 56442 | 2391B1 | BOLT,SHOULDER<br>UOC:435,436,490,493,512,526,537,538,542 | 2 |
| | | | | END OF FIGURE | |

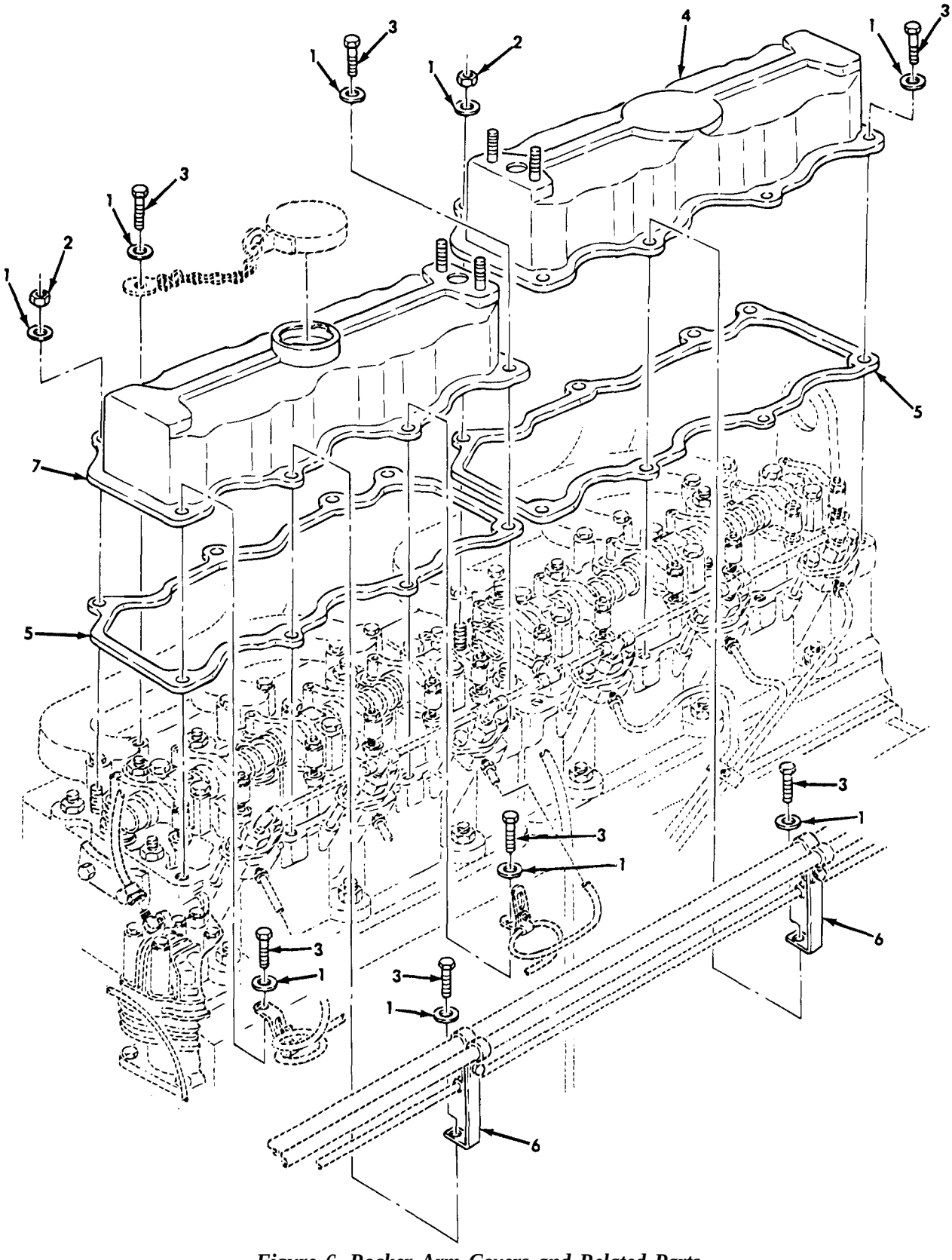



*Figure 6. Rocker Arm Covers and Related Parts.*

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|---|---|---|---|---|---|
| | | | | GROUP 0105 VALVES, CAMSHAFTS, AND TIMING SYSTEM | |
| | | | | FIG. 6 ROCKER ARM COVERS AND RELATED PARTS | |
| 1 | PAOZZ | 96906 | MS27183-12 | WASHER,FLAT | 16 |
| 2 | PAOZZ | 96906 | MS51943-33 | NUT,SELF-LOCKING,HE | 2 |
| 3 | PAOZZ | 19207 | 10912494 | BOLT,SELF-LOCKING | 14 |
| 4 | PAOZZ | 19207 | 10951263 | COVER,ENGINE POPPET | 1 |
| 5 | PAOZZ | 19207 | 10899080 | GASKET | 2 |
| 6 | PAOZZ | 19207 | 10896326 | BRACKET,ANGLE | 2 |
| 7 | PAOZZ | 19207 | 10951262 | COVER,ACCESS | 1 |
| | | | | END OF FIGURE | |

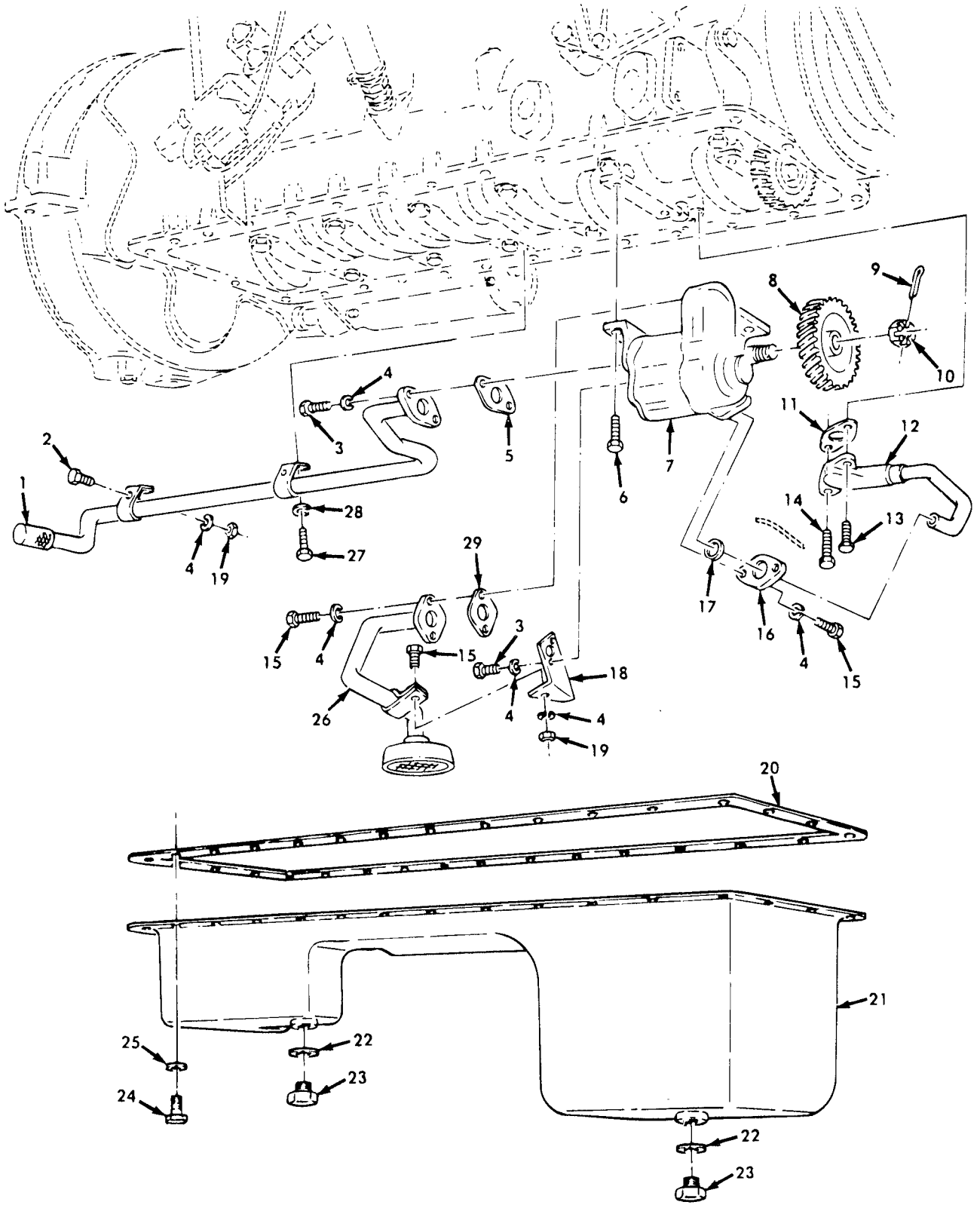



*Figure 10. Oil Pan, Pump Assembly, and Related Parts.*

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|---|---|---|---|---|---|
| | | | | GROUP 0106 ENGINE LUBRICATION SYSTEM | |
| | | | | FIG. 10 OIL PAN, PUMP ASSEMBLY, AND RELATED PARTS | |
| 22 | PAOZZ | 88044 | AN901-10C | SPACER,RING | 2 |
| 23 | PAOZZ | 19207 | 7748969 | PLUG,MACHINE THREAD | 2 |
| | | | | END OF FIGURE | |

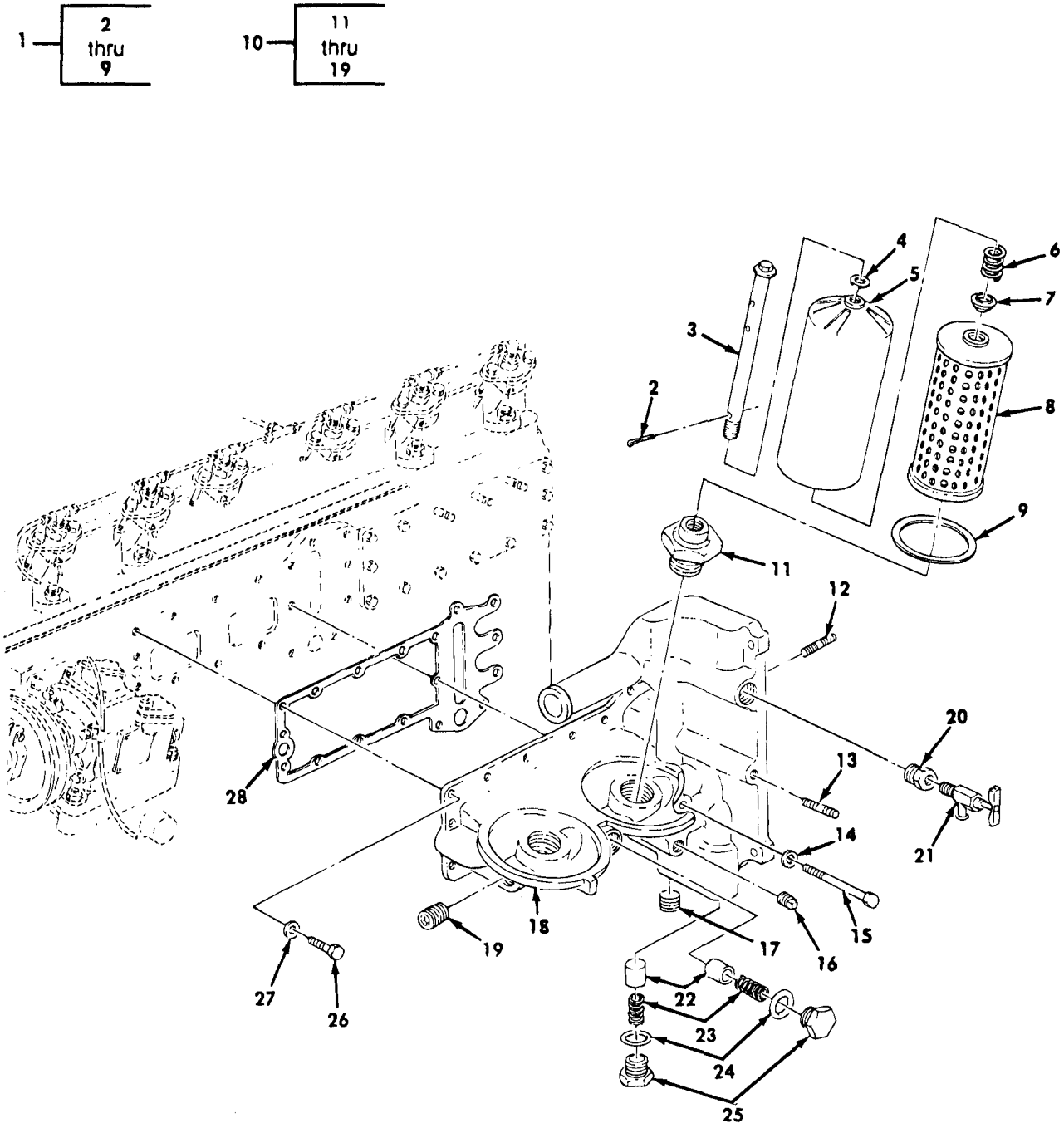



*Figure 11. Oil Filters and Housing Assembly.*

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES(UOC) | (6) QTY |
|---|---|---|---|---|---|
| | | | | GROUP 0106 ENGINE LUBRICATION SYSTEM | |
| | | | | FIG. 11 OIL FILTERS AND HOUSING ASSEMBLY | |
| 1 | PAOZZ | 19207 | 7748873 | FILTER,FLUID | 2 |
| 2 | PAOZZ | 96906 | MS24665-138 | PIN,COTTER PART OF KIT P/N 5702659 | 1 |
| 3 | PAOZZ | 19207 | 10951012 | BOLT,FLUID PASSAGE | 1 |
| 4 | KFOZZ | 19207 | 7748905 | GASKET PART OF KIT P/N 5702659 | 1 |
| 5 | XAOZZ | 19207 | 10951015 | FILTER BODY FLUID | 1 |
| 6 | PAOZZ | 19207 | 10951016 | SPRING,HELICAL,COMP | 1 |
| 7 | PAOZZ | 19207 | 10951017 | CUP,FLUID FILTER | 1 |
| 8 | KFOZZ | 90005 | 051596 | FILTER ELEMENT PART OF KIT P/N 5702659 | 1 |
| 9 | PAOZZ | 19207 | 7748870 | GASKET PART OF KIT P/N 5702659 | 1 |
| 16 | PAOZZ | 81348 | WW-P-471AASBCC | PLUG,PIPE | 1 |
| 20 | PAOZZ | 96906 | MS14315-9X | BUSHING,PIPE | 1 |
| 21 | PAOZZ | 96906 | MS35783-2 | COCK,DRAIN | 1 |
| | | | | END OF FIGURE | |