

TECHNICAL MANUAL
UNIT, DIRECT SUPPORT
AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST

MIXER, ROTARY TILLER

SEAMAN-MAXON, INC.
MODEL T0730H-KEG

NSN
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HEADQUARTERS, DEPARTMENT OF THE ARMY
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TECHNICAL MANUAL

No. 5-3895-369-24P

TM5-3895-369-24P**HEADQUARTERS****DEPARTMENT OF THE ARMY****WASHINGTON, D.C., 7 August 1992****UNIT, DIRECT SUPPORT AND
GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST****FOR****SEAMAN-MAXON, INC.****MODEL T0730H-KEG****MIXER, ROTARY TILLER****(3895-01-331-8560)**

Current as of 15 April 1992

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, 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 mixer, rotary tiller. 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 by item name in FIG BULK at the end of the section. Repair parts kits or sets are listed separately in their own functional group within Section II. Repair parts for repairable special tools are also listed in the section.
- 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 (UOC) 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 listings, 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, CAGE, and part numbers.

3. EXPLANATION OF COLUMNS (SECTION 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:

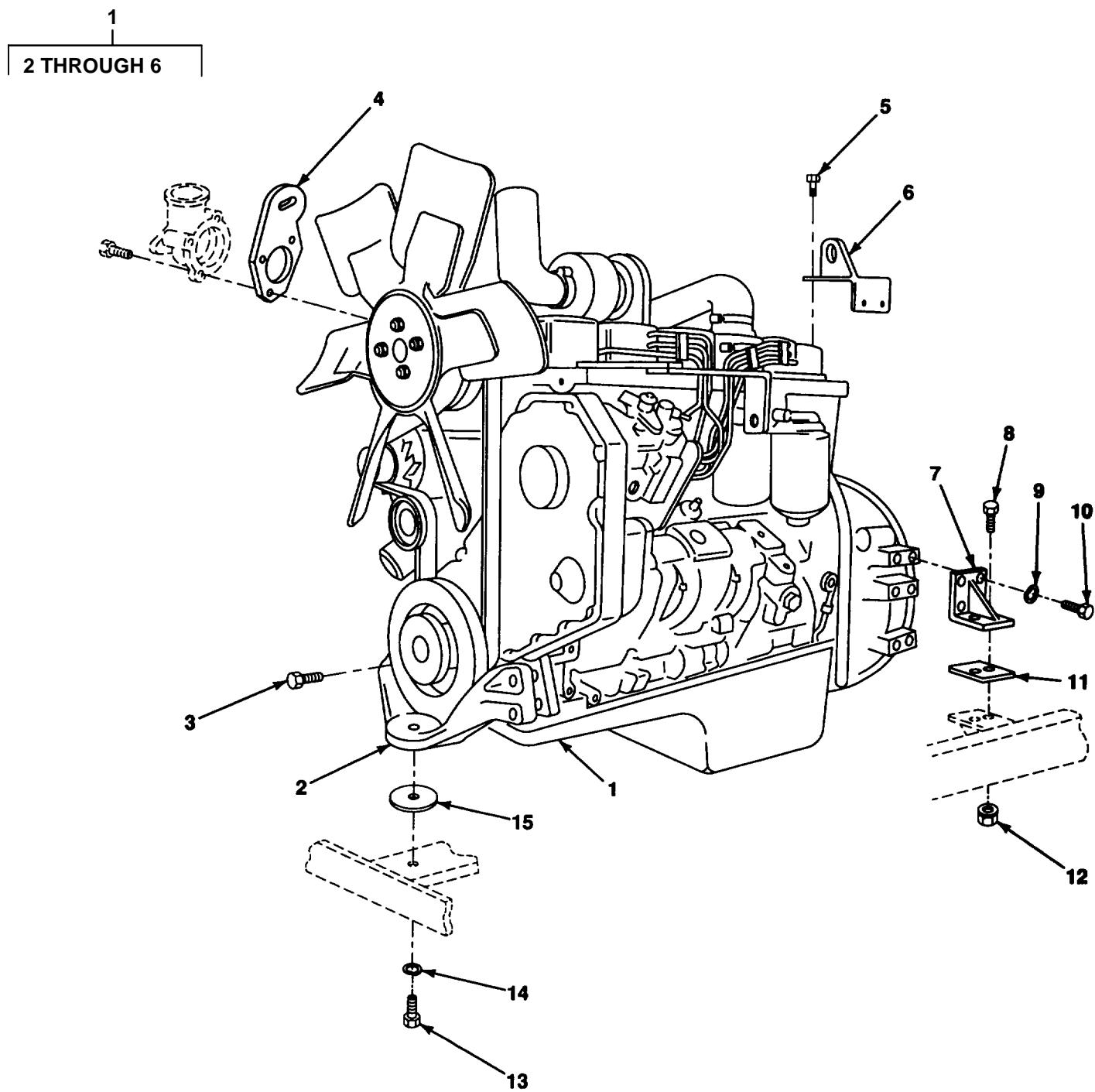


Figure 1. Drive Engine Assembly

| SECTION II | | | (4) | (5) | (6) |
|------------------------------|--------------------|--------------|---|---------------------------------------|-----|
| ITEM NO | (2) SMR CODE | (3) CAGEC | PART NUMBER | DESCRIPTION AND USABLE ON CODES (UOC) | QTY |
| GROUP 01 ENGINE | | | | | |
| GROUP 0100 ENGINE ASSEMBLY | | | | | |
| FIG. 1 DRIVE ENGINE ASSEMBLY | | | | | |
| 1 PBFHH 15434 | 44514568 | | ENGINE, DIESEL..... | | 1 |
| 2 XDFZZ 15434 | 3916665 | | .SUPPORT, FRONT ENGINE..... | | 1 |
| 3 PAFZZ 15434 | 3278480 | | .SCREW, CAP, HEXAGON H M12 X 1.75 X 70MM | | 4 |
| 4 PFOZZ 15434 | 3903757 | | .BRACKET, ENGINE LIFT | | 1 |
| 5 PAOZZ 15434 | 3901249 | | .SCREW, CAP, HEXAGON H M12 X 1, 75 X 25MM | | 2 |
| 6 XDOZZ 64559 | 74002518 | | .EAR, LIFT (MODIFIED) | | 1 |
| 7 XDFZZ 64559 | 74000023 | | MOUNT, ENG UPPER..... | | 2 |
| 8 PAFZZ 96906 | MS90728-114 | | SCREW, CAP, HEXAGON H 1/2-13 UNC X 1 3/4 GR8 | | 4 |
| 9 PAFZZ 96906 | MS35338-48 | | WASHER, LOCK 1/2..... | | 8 |
| 10 PAFZZ 24617 | 11500731 | | SCREW, CAP, HEXAGON H 12M X 1.75 X 30MM | | 8 |
| 11 MFFZZ 64559 | 74001930 | | PAD, ENGINE, REAR CUT FROM P/N 47-71760-24 (3X125)..... | | 2 |
| 12 PAFZZ 96906 | MS51922-33 | | NUT, SELF-LOCKING, HE 1/2-13 UNC-2B..... | | 4 |
| 13 PAFZZ 24617 | 11501718 | | SCREW, CAP, HEXAGON H 16M X 2.0 X 35MM | | 1 |
| 14 PAFZZ 96906 | MS35338-48 | | WASHER, LOCK 1/2..... | | 1 |
| 15 MFFZZ 64559 | 74001929 | | PAD, ENGINE, FRONT CUT FROM P/N 47-71760-24 (3X125)..... | | 1 |

END OF FIGURE

10

11 THROUGH 17

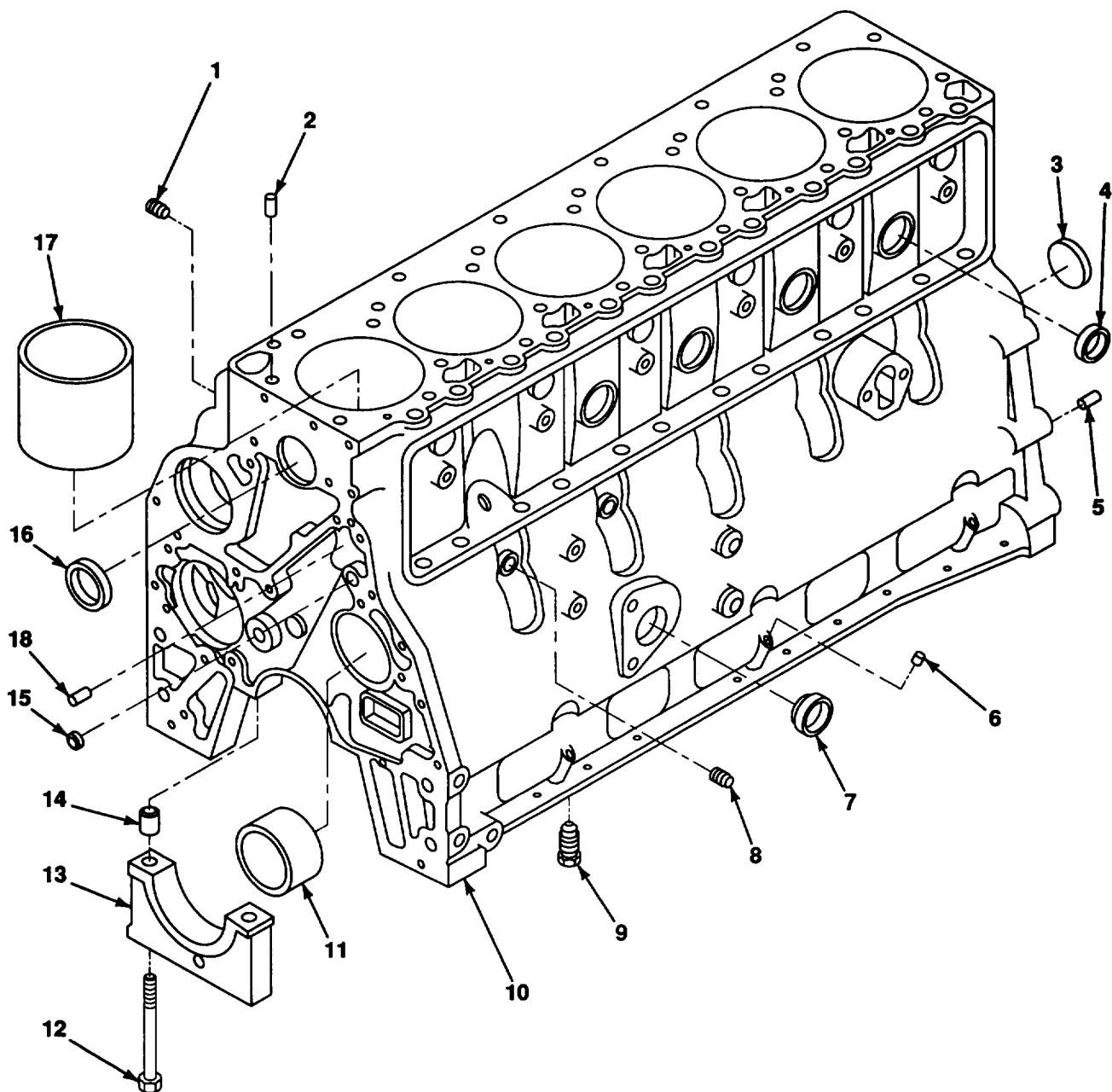


Figure 2. Cylinder Block

SECTION II

TM5-3895-369-24P

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES (UOC) | (6) QTY |
|--|--------------------|--------------|-----------------------|---|------------|
| GROUP 0101 CRANKCASE, BLOCK, CYLINDER HEAD | | | | | |
| FIG. 2 CYLINDER BLOCK | | | | | |
| 1 | PAFZZ | 15434 | 3008468 | PLUG, PIPE 1/2 NPT | 1 |
| 2 | PAFZZ | 15434 | 3902343 | PIN, STRAIGHT, HEADLE M16 X 10MM | 2 |
| 3 | PAFZZ | 15434 | 3900687 | PLUG, EXPANSION..... | 1 |
| 4 | PAFZZ | 15434 | 3007635 | PLUG, EXPANSION 1 INCH..... | 4 |
| * | 5 | PAFZZ | 15434 | 3900068 BEARING, SLEEVE M18 X 10MM..... | 2 |
| 6 | PAFZZ | 15434 | 3900955 | PLUG, EXPANSION..... | 2 |
| 7 | PAFZZ | 15434 | 3900958 | PLUG, EXPANSION..... | 1 |
| 8 | PAFZZ | 15434 | 3906619 | PLUG, PIPE 1/8 NPT | 2 |
| * | 9 | KFHZZ | 15434 | 3919002 NOZZLE, PISTON COOL, PART OF KIT P/N 3802376 | 6 |
| 10 | PFHHH | 15434 | 3916255 | ENGINE BLOCK, DIESEL..... | 1 |
| 11 | PAHZZ | 15434 | 3901306 | .CAMBEARING | 1 |
| 11 | PAHZZ | 15434 | 3904369 | .BEARING, SLEEVE | 1 |
| 11 | PAHZZ | 15434 | 3903242 | .BUSHING, SLEEVE | 1 |
| 12 | PAHZZ | 15434 | 3904217 | .SCREW, CAP, HEXAGON H M14 X 2.00 X 119MM | 14 |
| * | 13 | PFHZZ | 15434 | .CAP, MAIN BEARING..... | 7 |
| * | 14 | PAHZZ | 15434 | .BEARING, SLEEVE M18 X 10MM..... | 14 |
| 15 | PAHZZ | 15434 | 3900956 | .PLUG, EXPANSION 17.73MM..... | 3 |
| 16 | PAHZZ | 15434 | 3900965 | .PLUG, EXPANSION 17.73MM..... | 6 |
| 17 | PFHZZ | 15434 | 3904166 | .CYLINDER SLEEVE | 6 |
| 18 | PAFZZ | 15434 | 3900257 | PIN, STRAIGHT, HEADLE M10 X 16MM | 2 |

END OF FIGURE

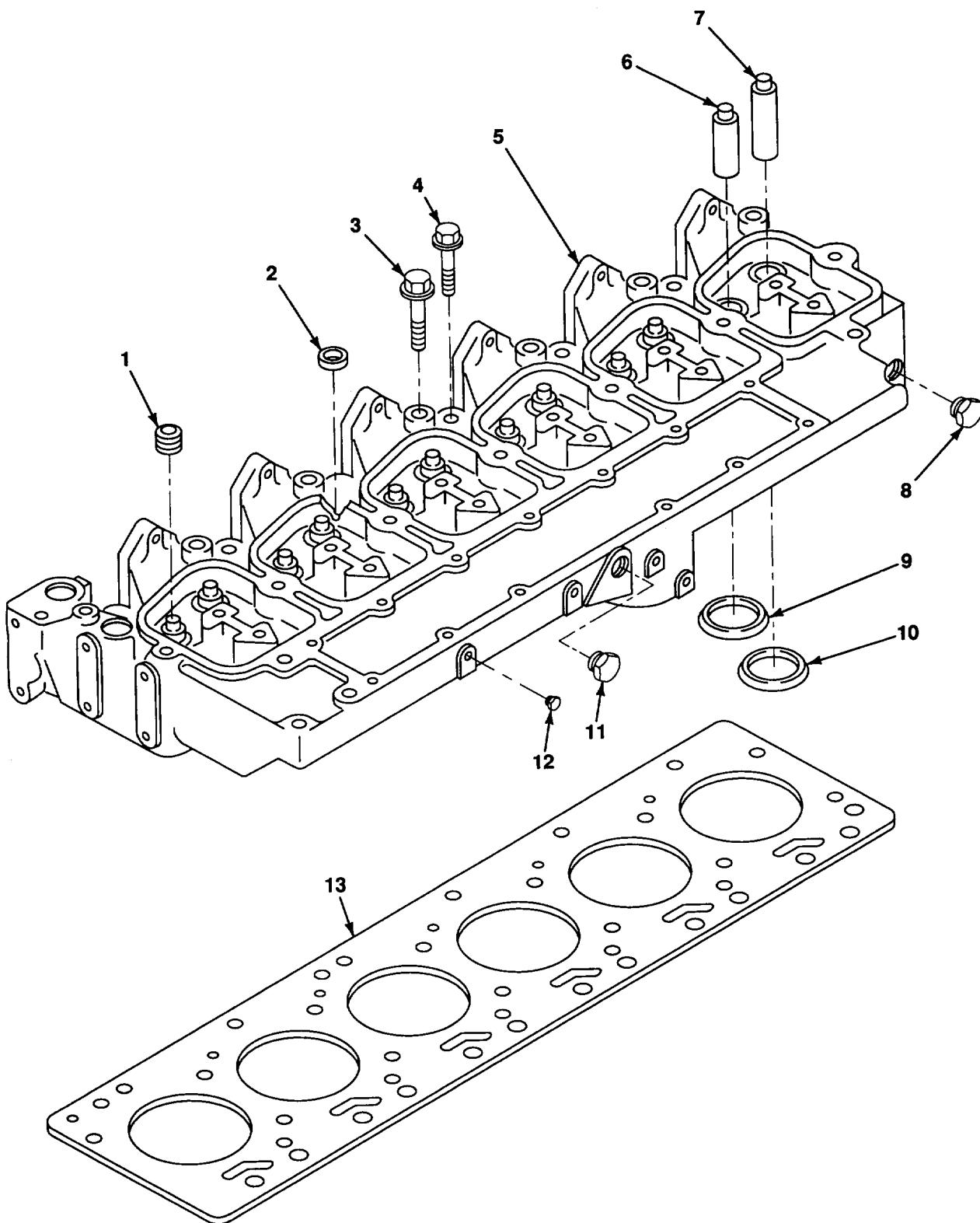


Figure 3. Cylinder Head

SECTION II

TM5-3895-369-24PC01

| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES (UOC) | (6) QTY |
|---|--------------------|--------------|-----------------------|--|--|
| GROUP 0101 CRANKCASET, BLOCK, CYLINDER HEAD | | | | | |
| FIG. 3 CYLINDER HEAD | | | | | |
| * | 1 | PFHZZ | 15434 | 3901097 | SEAL, VALVE STEM PART OF KIT P/N 3802226 PART... OF KIT P/N 3802227 PART OF KIT P/N 3802228 |
| * | 2 | PFHZZ | 15434 | 3902606 | PLUG, EXPANSION..... |
| 3 | PAFZZ | 15434 | 3920780 | BOLT, MACHINE | |
| 4 | PAFZZ | 15434 | 3920779 | SCREW, CAP, HEXAGON H..... | |
| 5 | PFFHH | 15434 | 3920486 | CYLINDER HEAD, DIESE | |
| 6 | PAHZZ | 15434 | 3904408 | .GUIDE, VALVE STEM THICK WALL 60.50MM LONG INTAKE | |
| 7 | PAHZZ | 15434 | 3904409 | .GUIDE, VALVE STEM THICK WALL 51.75MM LONG EXHAUST | |
| 7 | PAHZZ | 15434 | 3906206 | .GUIDE, VALVE STEM THIN WALL USED ON BOTH INTAKE AND EXHAUST..... | |
| 8 | PAHZZ | 15434 | 3008469 | .PLUG, PIPE | |
| 9 | PAHZZ | 15434 | 3906854 | .SEAT. VALVE | |
| 10 | PAHZZ | 15434 | 3904105 | .SEAT, VALVE | |
| 11 | PAHZZ | 15434 | 3008468 | .PLUG. PIPE 1/2 NPT | |
| 12 | PAHZZ | 15434 | 3008465 | .PLUG, PIPE | |
| 13 | KFFZZ | 15434 | 3917357 | GASKET, CYLINDER HO PART OF KIT P/N 3802226..... | |
| * | 13 | PFFZZ | 15434 | 3915723 | GASKET 0.15MM OVERSIZE PART OF KIT P/N 3802227 |
| * | 13 | PFFZZ | 15434 | 3915724 | GASKET 0.50MM OVERSIZE PART OF KIT P/N 3802 |
| | | | | | 1 |

END OF FIGURE

5

6 THROUGH 8

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11 AND 12

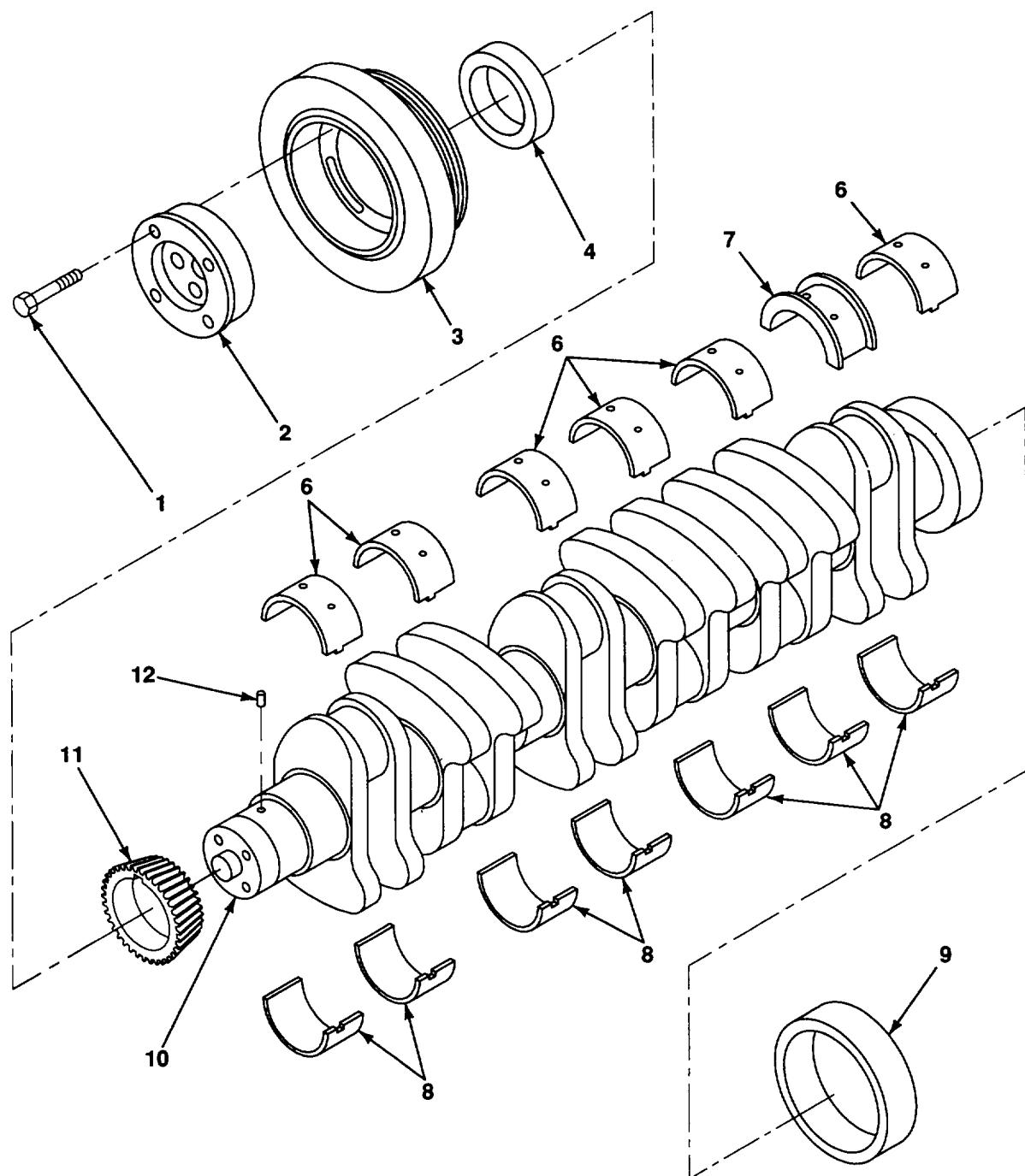


Figure 4. Crankshaft, Vibration Dampener

| SECTION II | | | | TM5-3895-369-24PC01 | |
|---------------------------------------|--------------------|--------------|---|--|------------|
| (1) ITEM NO | (2) SMR CODE | (3) CAGEC | (4) PART NUMBER | (5) DESCRIPTION AND USABLE ON CODES (UOC) | (6) QTY |
| GROUP 0102 CRANKSHAFT | | | | | |
| FIG. 4 CRANKSHAFT, VIBRATION DAMPENER | | | | | |
| 1 PAFZZ 15434 | 3903857 | | BOLT, MACHINE M12 X 1.25 X 36MM | | 4 |
| 2 PAFZZ 15434 | 3903829 | | PLATE, RETAINING, SHA | | 1 |
| 3 PAFZZ 15434 | 3914454 | | DAMPENER, VIBRATION..... | | 1 |
| 4 PAHZZ 15434 | 3906080 | | BEARING, SLEEVE | | 1 |
| 5 PAHZZ 15434 | 3802070 | | BEARING SET, SLEEVE STANDARD | | 1 |
| 5 PAHZZ 15434 | 3802071 | | BEARING HALF SET, SL 0.010 OVERSIZE | | 1 |
| 5 PAHZZ 15434 | 3802072 | | BEARING HALF SET, SL 0.020 OVERSIZE | | 1 |
| 5 PAHZZ 15434 | 3802073 | | BEARING SET, SLEEVE 0.030 OVERSIZE..... | | 1 |
| 5 PAHZZ 15434 | 3802074 | | BEARING SET, SLEEVE 0.040 OVERSIZE..... | | 1 |
| 6 XAHZZ 15434 | 3901090 | | .BEARING, SLEEVE | | 6 |
| 7 XAHZZ 15434 | 3802010 | | .BEARING HALF SET. SL | | 1 |
| 8 XAHZZ 15434 | 3901150 | | .BEARING, SLEEVE | | 7 |
| 9 PAHZZ 15434 | 3906081 | | BEARING, SLEEVE | | 1 |
| 10 PAHHH 15434 | 3908032 | | CRANKSHAFT, ENGINE | | 1 |
| 11 PAHZZ 15434 | 3919680 | | .GEAR, SPUR | | 1 |
| 12 PAHZZ 15434 | 3904483 | | .PIN, STRAIGHT, HEADLE M10 X 60MM | | 1 |

END OF FIGURE

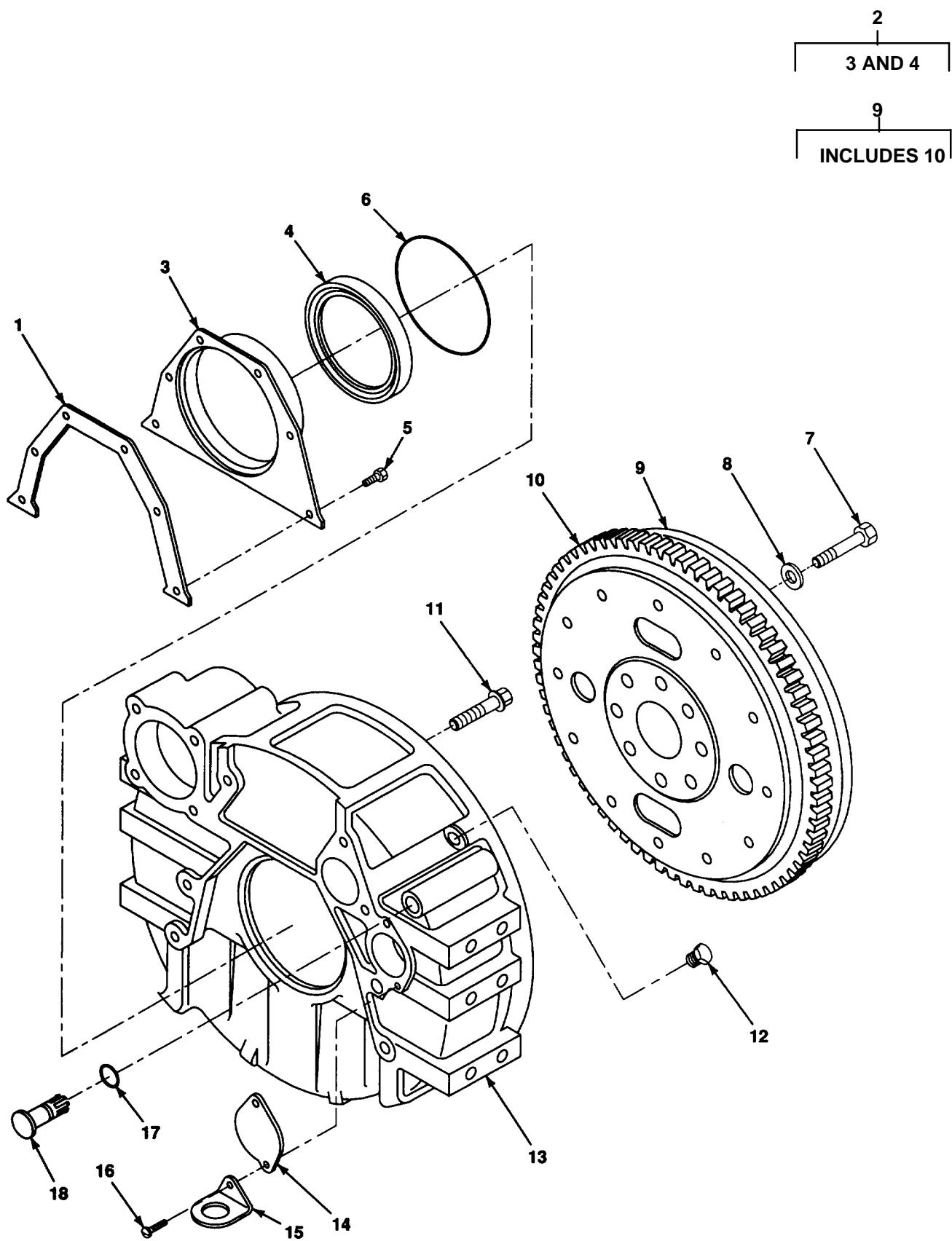


Figure 5. Flywheel, Flywheel Housing

| SECTION II | | | (4) | (5) | (6) |
|-----------------------------------|--------------------|--------------|----------------|---|-----|
| ITEM NO | (2) SMR CODE | (3) CAGEC | PART NUMBER | DESCRIPTION AND USABLE ON CODES (UOC) | QTY |
| GROUP 0103 FLYWHEEL ASSEMBLY | | | | | |
| FIG. 5 FLYWHEEL, FLYWHEEL HOUSING | | | | | |
| * | 1 | PFFZZ | 15434 | 3914386 GASKET PART OF KIT P/N 3802376 | 1 |
| | 2 | PFFFF | 15434 | 3910619 COVER, ACCESS..... | 1 |
| | 3 | XDFZZ | 15434 | 3921043 .COVER, REAR..... | 1 |
| | 4 | KFFZZ | 15434 | 3904087 .SEAL, OIL PART OF KIT P/N 3802376 | 1 |
| | 5 | PAFZZ | 15434 | 3913638 SCREW, CAP, HEXAGON H M6 X 1.00 X 15 | 6 |
| * | 6 | PFFZZ | 15434 | 3912473 PACKING, PREFORMED PART OF KIT P/N 3802376..... | 1 |
| | 7 | PAFZZ | 15434 | 3901395 SCREW, CAP, HEXAGON H M12 X 1.25 X 32MM | 8 |
| | 8 | PAFZZ | 15434 | 3900269 WASHER, FLAT M12..... | 8 |
| | 9 | PFFHH | 15434 | 3914432 FLYWHEEL, ENGINE | 1 |
| | 10 | PAHZZ | 15434 | 3901774 .GEAR, INTERNAL | 1 |
| | 11 | PAFZZ | 15434 | 3920447 SCREW, CAP, HEXAGON, H M12 X 1.75 X 40MMM..... | 8 |
| | 12 | PAFZZ | 15434 | 3904181 PLUG, PIPE 3/4-16 UNF..... | 1 |
| * | 13 | PFFZZ | 15434 | 3903282 HOUSING..... | 1 |
| | 14 | PAFZZ | 15434 | 3908095 COVER, ACCESS..... | 1 |
| | 15 | PAFZZ | 15434 | 3909670 CLAMP, LOOP | 1 |
| | 16 | PAFZZ | 15434 | 3912072 SCREW M8 X 1.25 X 21 | 2 |
| | 17 | PAFZZ | 15434 | 3910260 PACKING, PREFORMED | 1 |
| | 18 | PAFZZ | 15434 | 3910248 PLUG, FLYWHEEL HOUSI..... | 1 |

END OF FIGURE