

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
3895-01-331-8560

Approved for public release; distribution is unlimited

HEADQUARTERS, DEPARTMENT OF THE ARMY

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

FOR

SEAMAN-MAXON, INC.

MODEL TO730H-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:

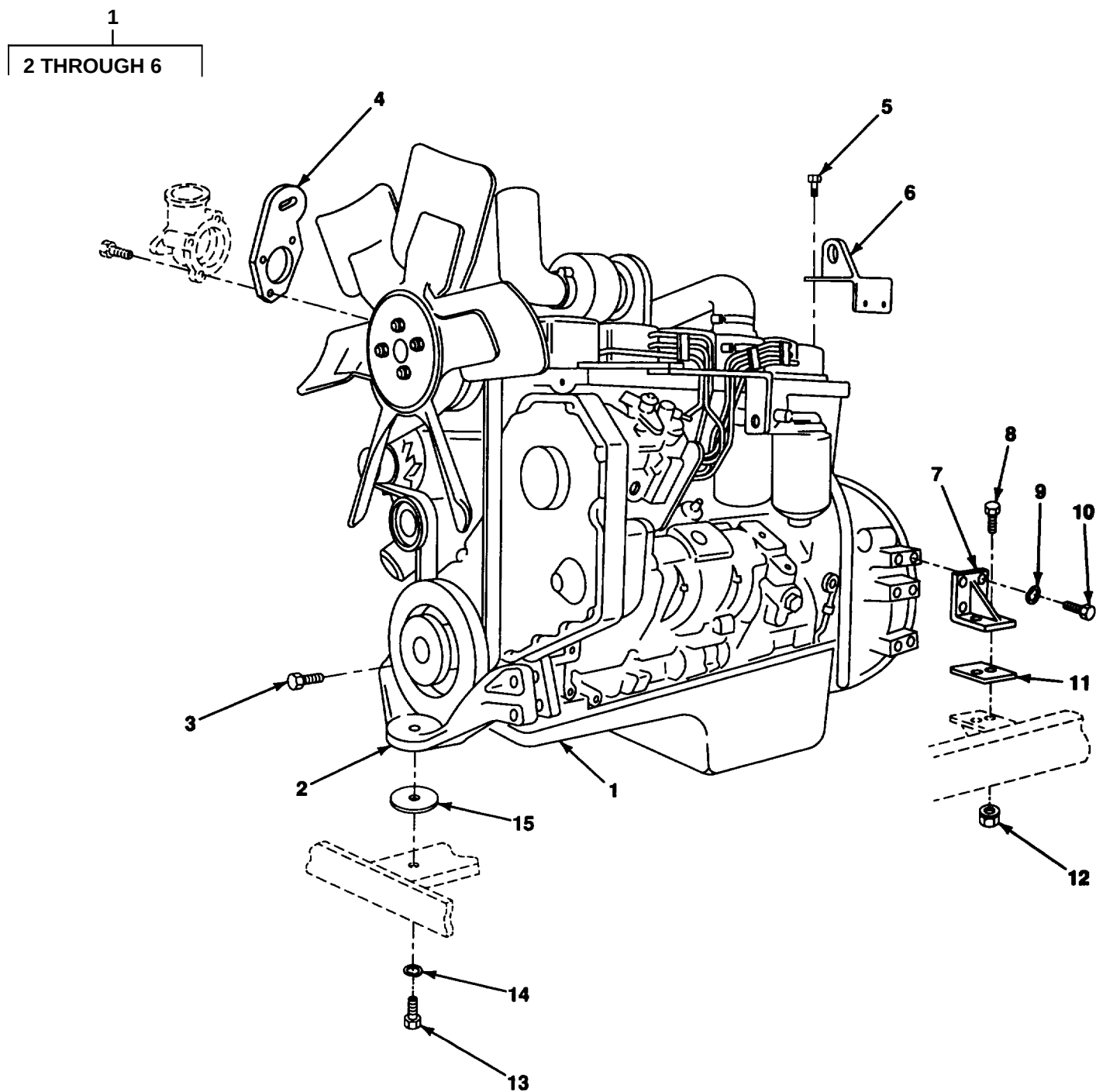


Figure 1. Drive Engine Assembly

SECTION II				TM5-3895-369-24P	
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR		PART		
NO	CODE	CAGEC	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

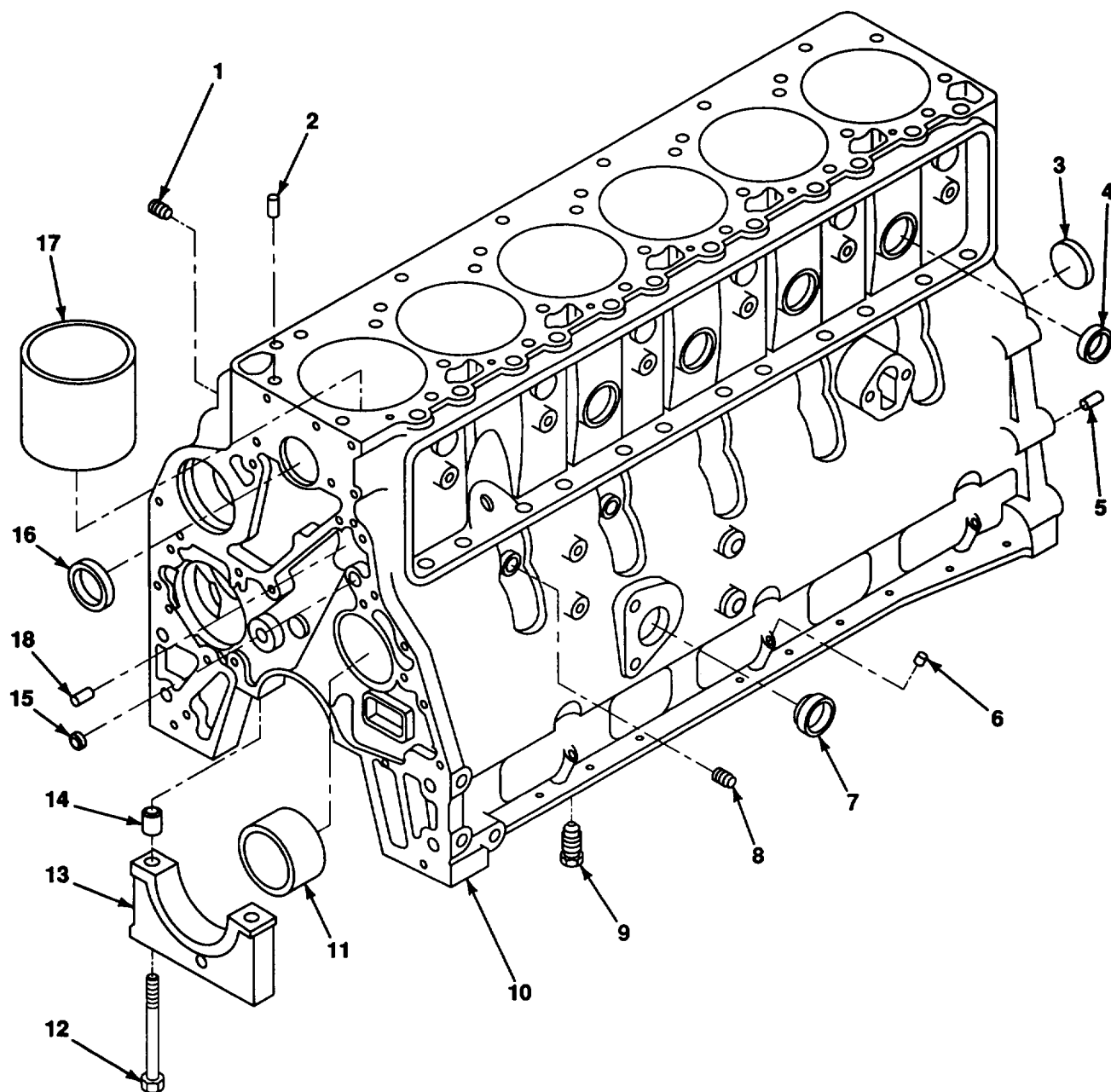


Figure 2. Cylinder Block

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	NOZZLE, PISTON COOL	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	3900967	.CAP, MAIN BEARING.....	7
* 14	PAHZZ	15434	3900068	.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

5

6 THROUGH 12

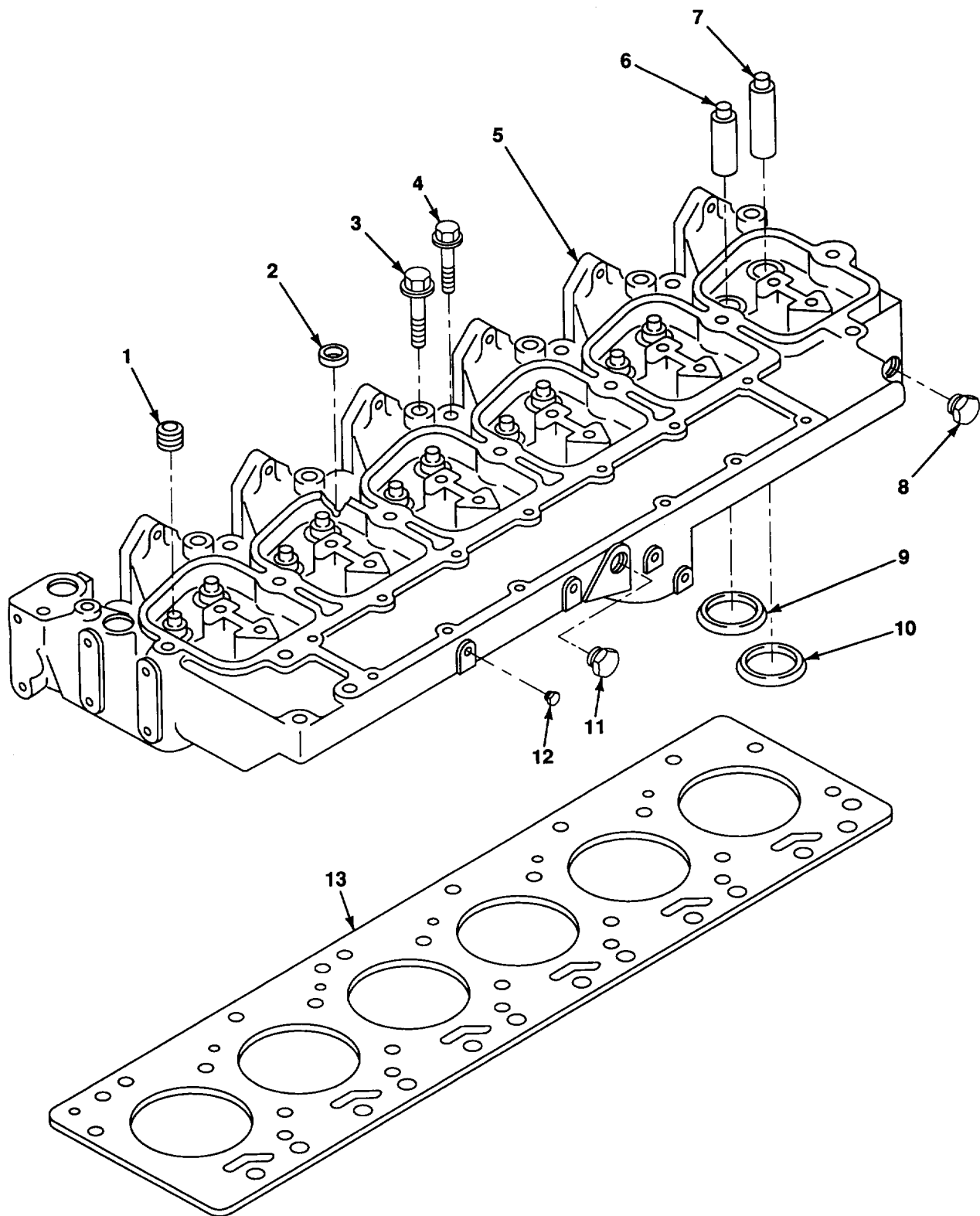


Figure 3. Cylinder Head

SECTION II

TM5-3895-369-24PCO1

(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. 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	12
* 2	PFHZZ	15434	3902606	PLUG, EXPANSION.....	5
3	PAFZZ	15434	3920780	BOLT, MACHINE	14
4	PAFZZ	15434	3920779	SCREW, CAP, HEXAGON H.....	6
5	PFFHH	15434	3920486	CYLINDER HEAD, DIESE	1
6	PAHZZ	15434	3904408	.GUIDE, VALVE STEM THICK WALL 60.50MM LONG INTAKE	6
7	PAHZZ	15434	3904409	.GUIDE, VALVE STEM THICK WALL 51.75MM LONG EXHAUST	6
7	PAHZZ	15434	3906206	.GUIDE, VALVE STEM THIN WALL USED ON BOTH INTAKE AND EXHAUST.....	12
8	PAHZZ	15434	3008469	.PLUG, PIPE	1
9	PAHZZ	15434	3906854	.SEAT, VALVE	6
10	PAHZZ	15434	3904105	.SEAT, VALVE	6
11	PAHZZ	15434	3008468	.PLUG, PIPE 1/2 NPT	5
12	PAHZZ	15434	3008465	.PLUG, PIPE	2
13	KFFZZ	15434	3917357	GASKET, CYLINDER HO PART OF KIT P/N 3802226.....	1
* 13	PFFZZ	15434	3915723	GASKET 0.15MM OVERSIZE PART OF KIT P/N 3802227	1
* 13	PFFZZ	15434	3915724	GASKET 0.50MM OVERSIZE PART OF KIT P/N 3802	1

END OF FIGURE

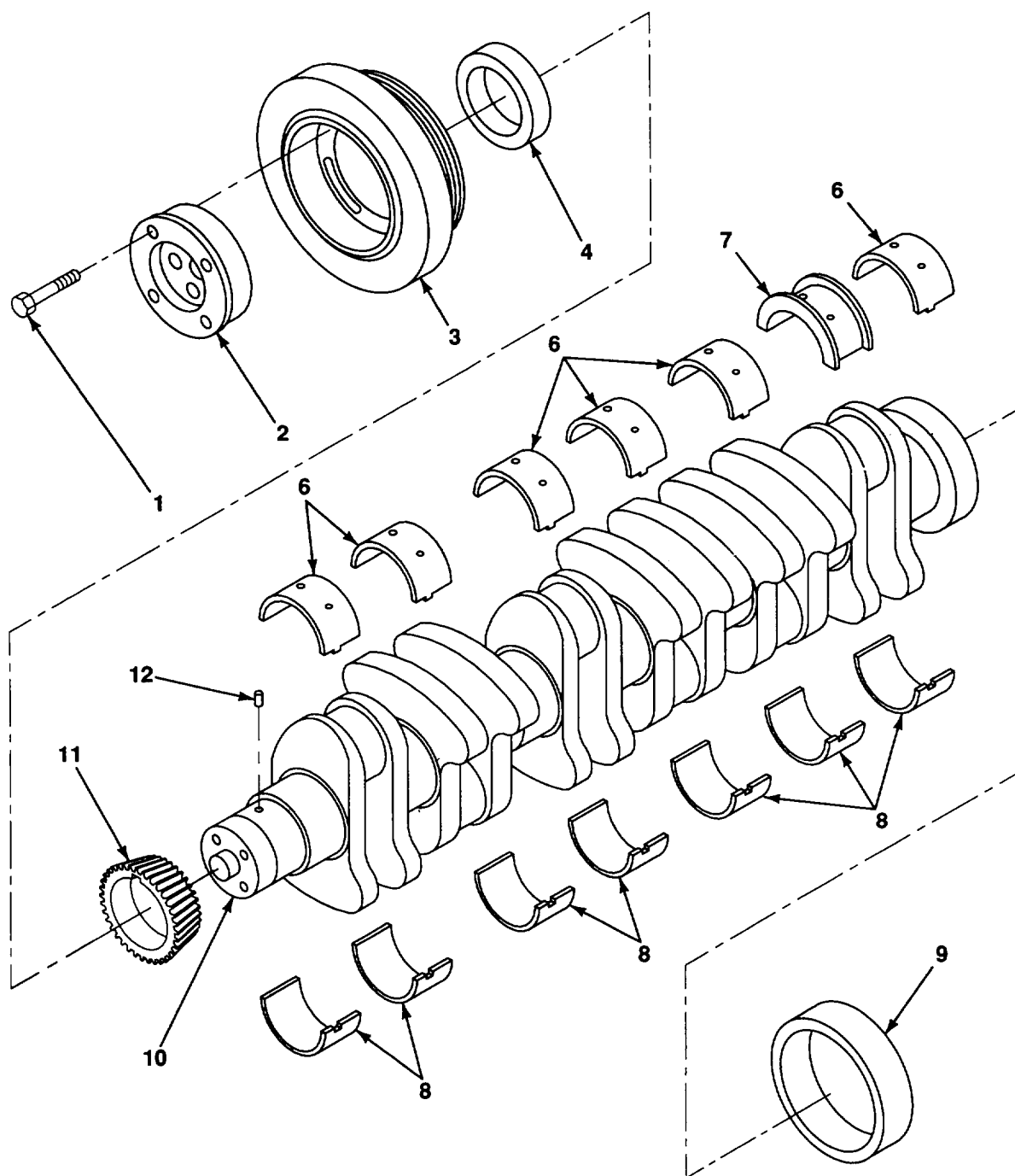
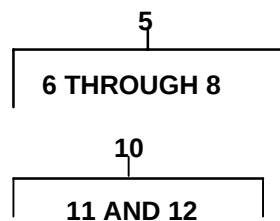


Figure 4. Crankshaft, Vibration Dampener

SECTION II

TM5-3895-369-24PCO1

(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

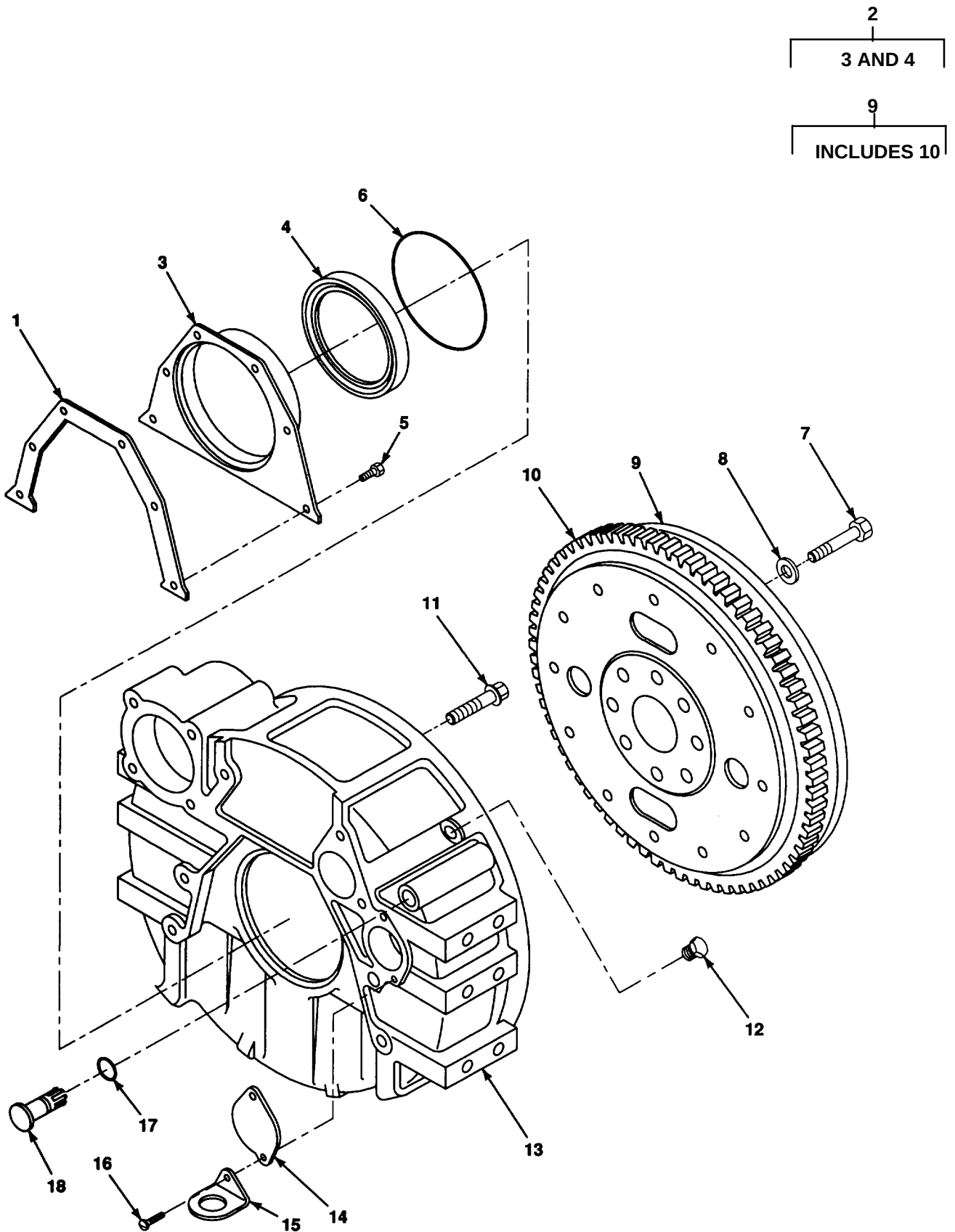


Figure 5. Flywheel, Flywheel Housing

SECTION II				TM5-3895-369-24P	
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR		PART		
NO	CODE	CAGEC	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