

TECHNICAL MANUAL

UNIT, DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)

LOADER, SCOOP TYPE, DED 4X4, ARTICULATED FRAME STEER, 2-1/2 CUBIC YARD (J.I. CASE MODEL MW24C) (NSN 3805-01-150-4814)

This manual supersedes TM 5-3805-262-24P, dated 1 September 1987

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TECHNICAL MANUAL

TM 5-3805-262-24P

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington D. C., 30 July 1992

**UNIT MAINTENANCE
DIRECT SUPPORT AND
GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST
(INCLUDING DEPOT MAINTENANCE REPAIR
PARTS AND SPECIAL TOOLS)
FOR**

**LOADER, SCOOP TYPE, DED,
4X4, ARTICULATED FRAME STEER,
2-1/2 CUBIC YARD**

(J. 1. CASE MODEL MW24C)

(NSN 3805-01-150-4814)

CURRENT AS OF 1 JULY 1992

REPORTING OF ERRORS

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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BULK

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UNIT, DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS

SECTION 1. 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 Loader, Model MW24C. 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 1. 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 repairable 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.

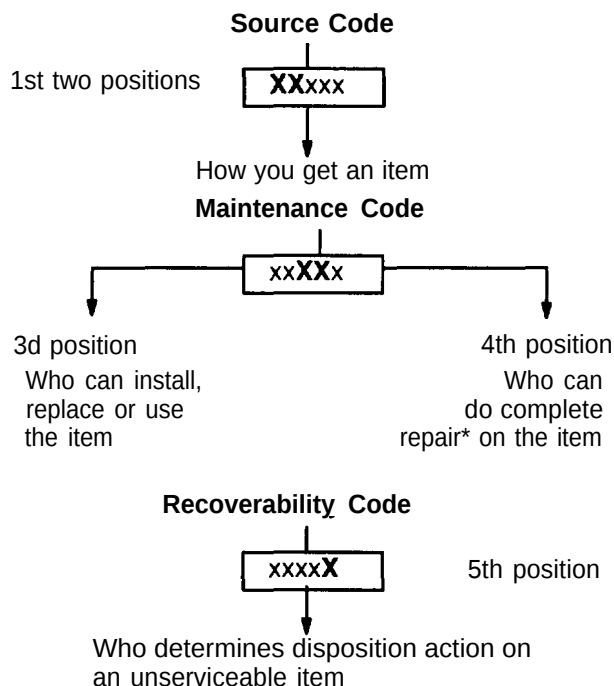
c. Cross-reference Indexes. A list, in National Item Identification Number (NIIN) sequence, of all National stock numbered items appearing in the listing, followed by a list in alphanumeric sequence of all part numbers appearing; in the listings. National stock numbers and part numbers are cross-referenced 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, CAGE and part numbers.

3. Explanation of Columns (Sections II and III).

a. ITEM NO. (Column (I)). 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.

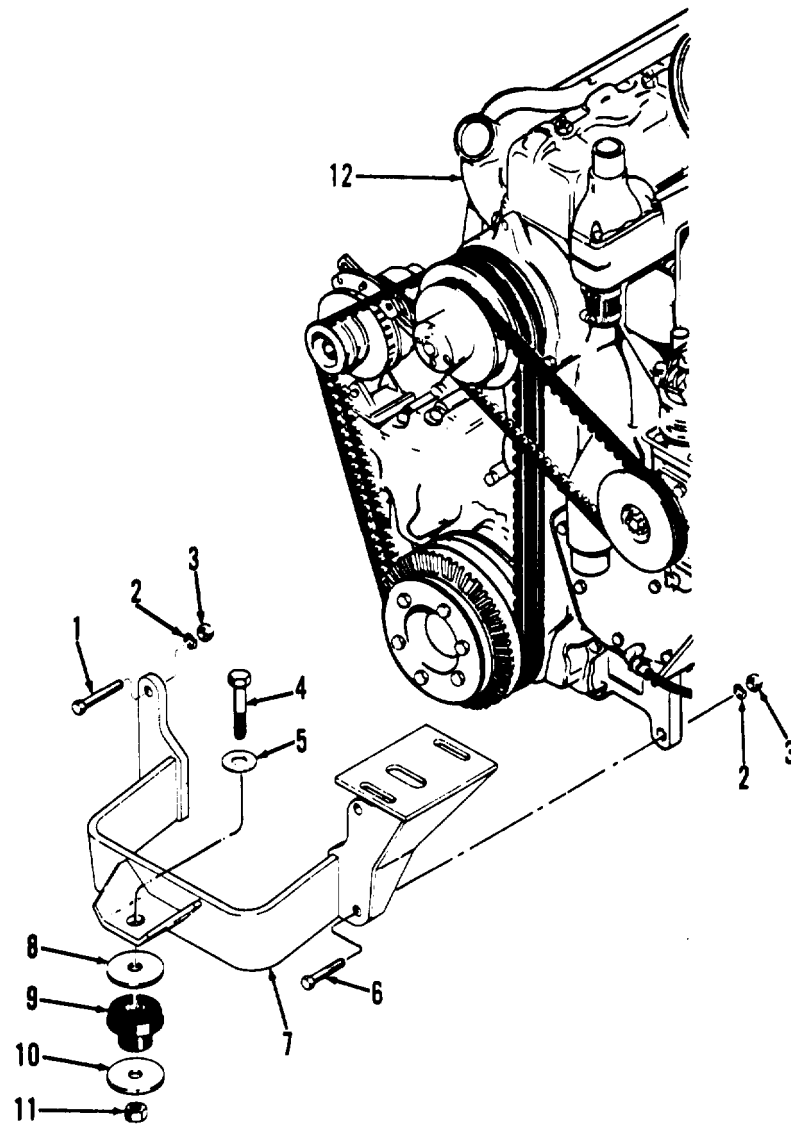


Figure 1. Engine mounting.

SECTION II

TM5-3805-262-24P

C01

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
GROUP 01 ENGINE					
GROUP 0100 ENGINE ASSEMBLY					
FIG.1 ENGINE MOUNTING					
* 1	PAFZZ	80204	B1821BH050C225N	SCREW,CAP,HEXAGON H	2
2	PAFZZ	96906	MS35338-51	WASHER, LOCK	4
3	PAFZZ	96906	MS51967-23	NUT, PLAIN, HEXAGON	4
4	PAFZZ	96906	MS90725-195	SCREW,CAP,HEXAGON H	1
5	PAFZZ	10988	L79179	WASHER, FLAT	1
* 6	PFFZZ	80204	B1821BH075C275N	SCREW,CAP,HEXAGON H	2
7	PFFZZ	10988	L76732	BRACKET,ENGINE MOUN	1
8	PAFZZ	10988	L100884	WASHER, FLAT	1
9	PAFZZ	10988	A19066	MOUNT, RESILIENT	1
10	PAFZZ	10988	A19068	WASHER, FLAT	1
11	PAFZZ	10988	131-699	NUT,SELF LOCKING	1
12	PAFHD	10988	A166206	ENGINE,DIESEL ASSEMBLY	1
END OF FIGURE					

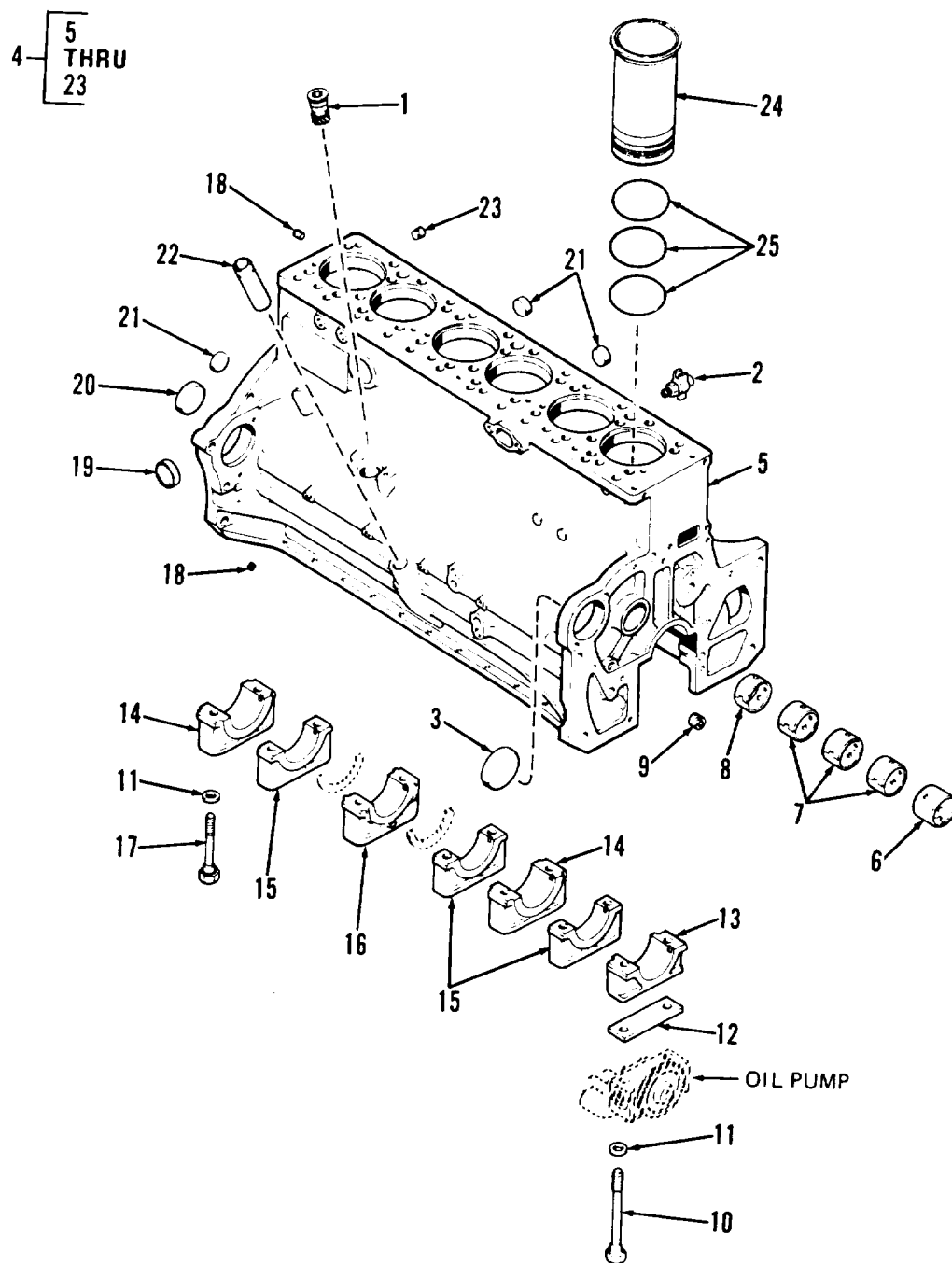


Figure 2. Cylinder block assembly.

SECTION II

TM5-3805-262-24P

C01

(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 ASSEMBLY					
1	PAFZZ	10988	A166212	TACHOMETER, MECHANIC	1
2	PAOZZ	10988	A23656	COCK, DRAIN	1
3	PAFZZ	10988	41-1052	PLUG, EXPANSION	1
* 4	XBHHD	10988	A152986	ENGINE, DIESEL	1
5	XAHZZ	10988	A46002	.ENGINE BLOCK	1
6	PFHZZ	10988	A23487	.BEARING, SLEEVE	1
7	PFHZZ	10988	A21019	.BEARING, SLEEVE	3
8	PFHZZ	10988	A21018	.BEARING, SLEEVE	1
9	PAHZZ	10988	221-1843	.PLUG, PIPE	1
10	PFHZZ	10988	A66949	.BOLT, MACHINE	2
11	PFHZZ	10988	A58629	.WASHER, FLAT	14
12	PAHZZ	10988	A58859	.SHIM	V
13	PFHZZ	10988	A154389	.CAP, PILLOW BLOCK	1
14	PFHZZ	10988	A154398	.CAP, PILLOW BLOCK	2
15	PFHZZ	10988	A154397	.CAP, PILLOW BLOCK	3
16	PFHZZ	10988	A154392	.CAP, PILLOW BLOCK	1
17	PFHZZ	10988	A66948	.SCREW, CAP, HEXAGON H	12
18	PAHZZ	10988	221-1849	.PLUG, PIPE	5
19	PAHZZ	10988	A58569	.PLUG, EXPANSION	1
20	PAHZZ	10988	A24361	.PLUG, EXPANSION	1
21	PAHZZ	10988	A58568	.PLUG, EXPANSION	3
22	PAHZZ	10988	A34540	.FILLER NECK	1
23	PFHZZ	81348	ACABUE	.PLUG, PIPE	1
* 24	PFHZZ	10988	A153638	CYLINDER SLEEVE INCLUDED W P/N A166134, FIGURE 6	6
* 25	PFHZZ	10988	A144667	PACKING, PREFORMED INCLUDED W P/N A166134, FIGURE 6	6

END OF FIGURE

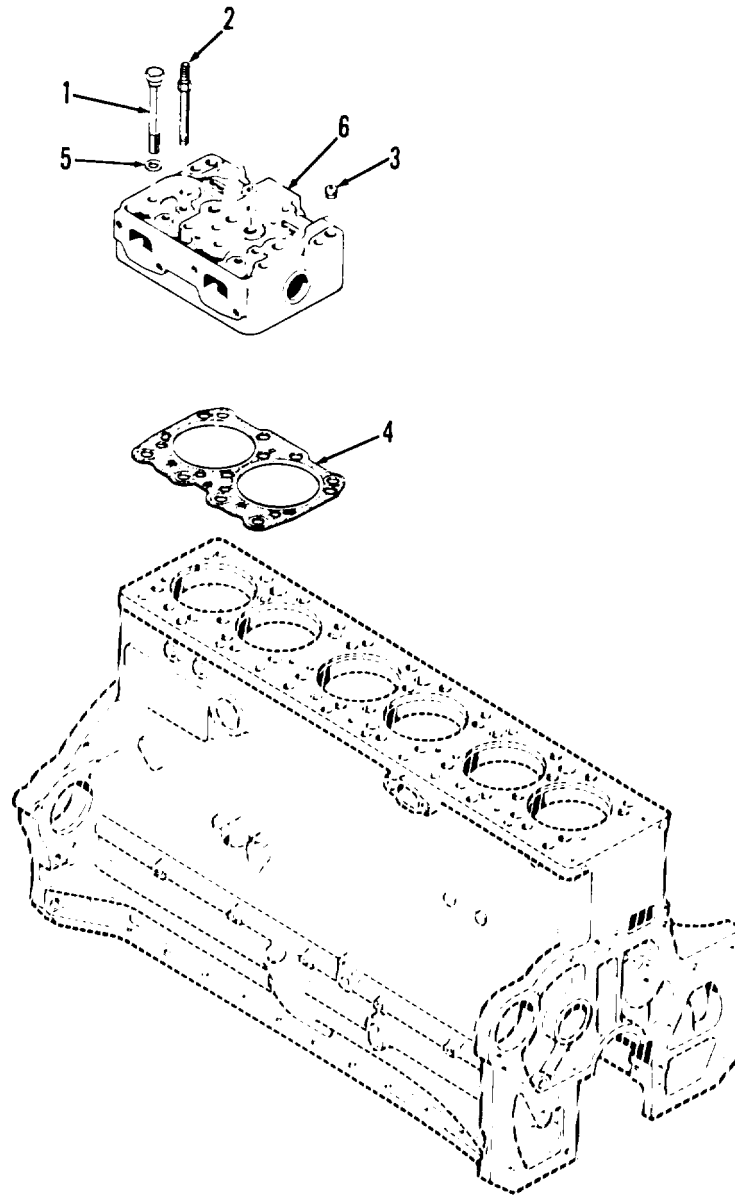


Figure 3. Cylinder head.

SECTION II

TM5-3805-262-24P

(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.3 CYLINDER HEAD	
1	PFFZZ	10988	A76638	BOLT, MACHINE	30
2	PFFZZ	10988	A67121	STUD, SHOULDERED	6
3	PFFZZ	10988	221-1843	PLUG, PIPE	6
4	PAFZZ	10988	A138397	GASKET PART OF KIT P/N A189544	3
5	PFFZZ	10988	A58629	WASHER, FLAT	30
6	PFFHH	10988	A67352	CYLINDER HEAD, DIESE	3

END OF FIGURE

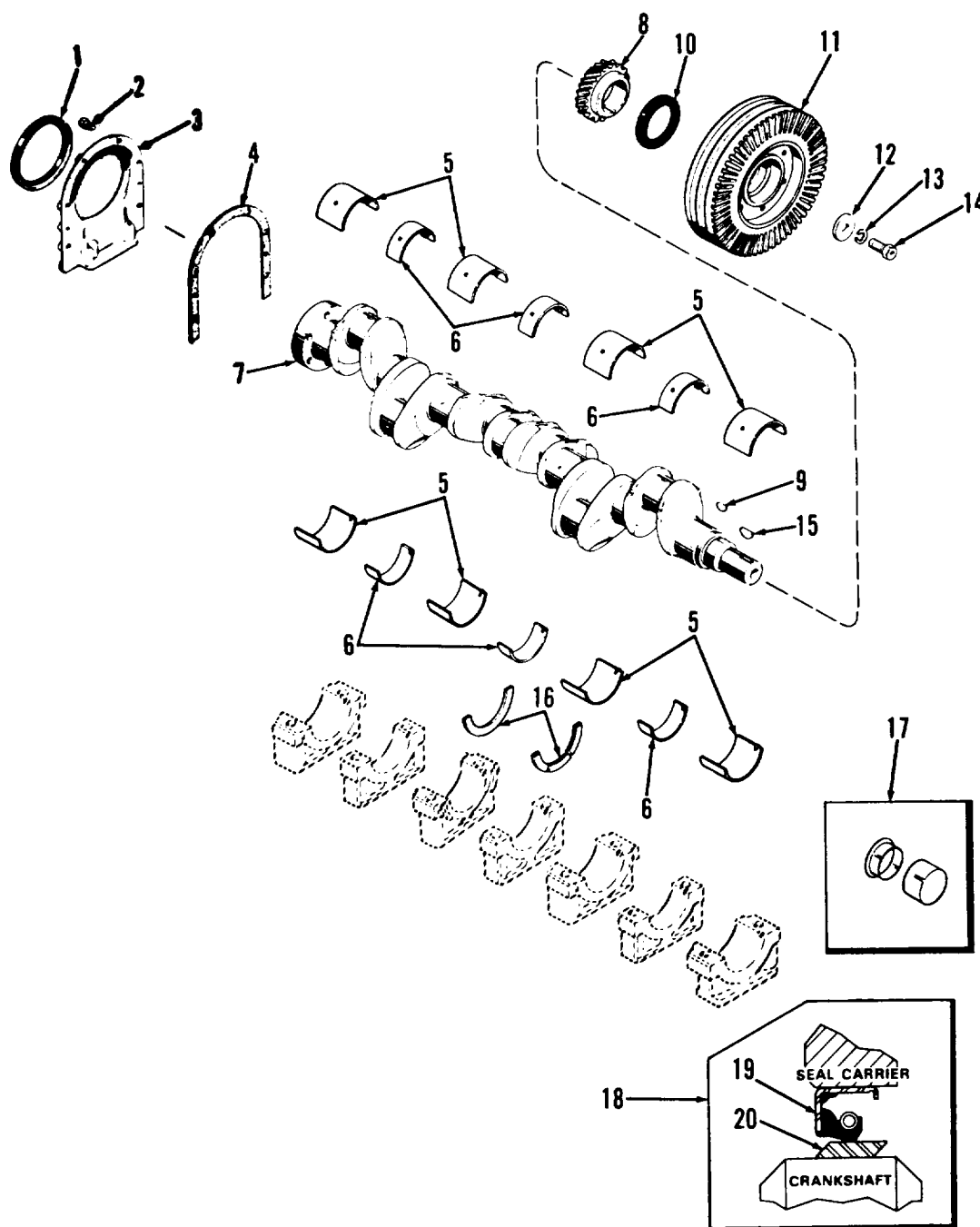


Figure 4. Crankshaft.

SECTION II		TM5-3805-262-24P		C02	
(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					
1	PAHZZ	10988	A62050	SEAL,PLAIN ENCASED PART OF KIT P/N 51-5110	1
2	PFHZZ	10988	193-554	SCREW,ASSEMBLED WAS	6
3	PFHZZ	10988	A57457	RETAINER,OIL SEAL	1
* 4	PFHZZ	10988	A32830	GASKET PART OF KIT P/N 51-5110	1
5	PFHZZ	10988	A43163	BEARING,MAIN STANDARD,SET OF 2	4
5	PFHZZ	10988	A43164	BEARING,SLEEVE 0.002 INCH UNDERSIZE, SET OF 2	4
5	PFHZZ	10988	A43165	LINER 0.010 INCH UNDERSIZE, SET OF 2	4
5	PFHZZ	10988	A43166	BEARING,SLEEVE 0.020 INCH UNDERSIZE, SET OF 2	4
5	PFHZZ	10988	A43167	BEARING,SLEEVE 0.030 INCH UNDERSIZE, SET OF 2	4
6	PFHZZ	10988	A43158	BEARING,MAIN STANDARD, SET OF 2	3
6	PFHZZ	10988	A43159	SHIM SET 0.002 INCH UNDERSIZE. SET OF 2	3
6	PFHZZ	10988	A43160	BEARING,SLEEVE 0.010 INCH UNDERSIZE, SET OF 2	3
6	PFHZZ	10988	A43161	BEARING,SLEEVE 0.020 INCH UNDERSIZE, SET OF 2	3
6	PFHZZ	10988	A43162	PARTS KIT,BEARING R 0.030 INCH UNDERSIZE, SET OF 2	3
7	PFHHH	10988	A154305	CRANKSHAFT,ENGINE	1
8	PAHZZ	10988	A66404	GEAR,HELICAL	1
9	PAHZZ	10988	126-129	KEY	1
* 10	PFHZZ	80201	26204	SEAL,PLAIN ENCASED PART OF KIT P/N 51-5110	1
11	PAFZZ	10988	A135580	PULLEY,GROOVE	1
12	PFFZZ	10988	A156428	WASHER,FLAT	1
13	PFFZZ	96906	MS35338-50	WASHER,LOCK	1
14	PFFZZ	96906	MS90727-162	SCREW,CAP,HEXAGON H	1
15	PAFZZ	10988	126-129	KEY	1
16	PAHZZ	10988	A62573	BEARING,WASHER,THRU STANDARD	2
16	PFHZZ	10988	A42932	BEARING,WASHER,THRU OVERSIZE	2
17	PAFZZ	10988	A154684	REPAIR KIT,DIESEL E	1
18	PAHZZ	10988	A43194	SEAL KIT	1
* 19	XBHZZ	10988	A65871	SEAL,PLAIN ENCASED	1
* 20	XBHZZ	10988	A65872	RING,WEARING	1

END OF FIGURE

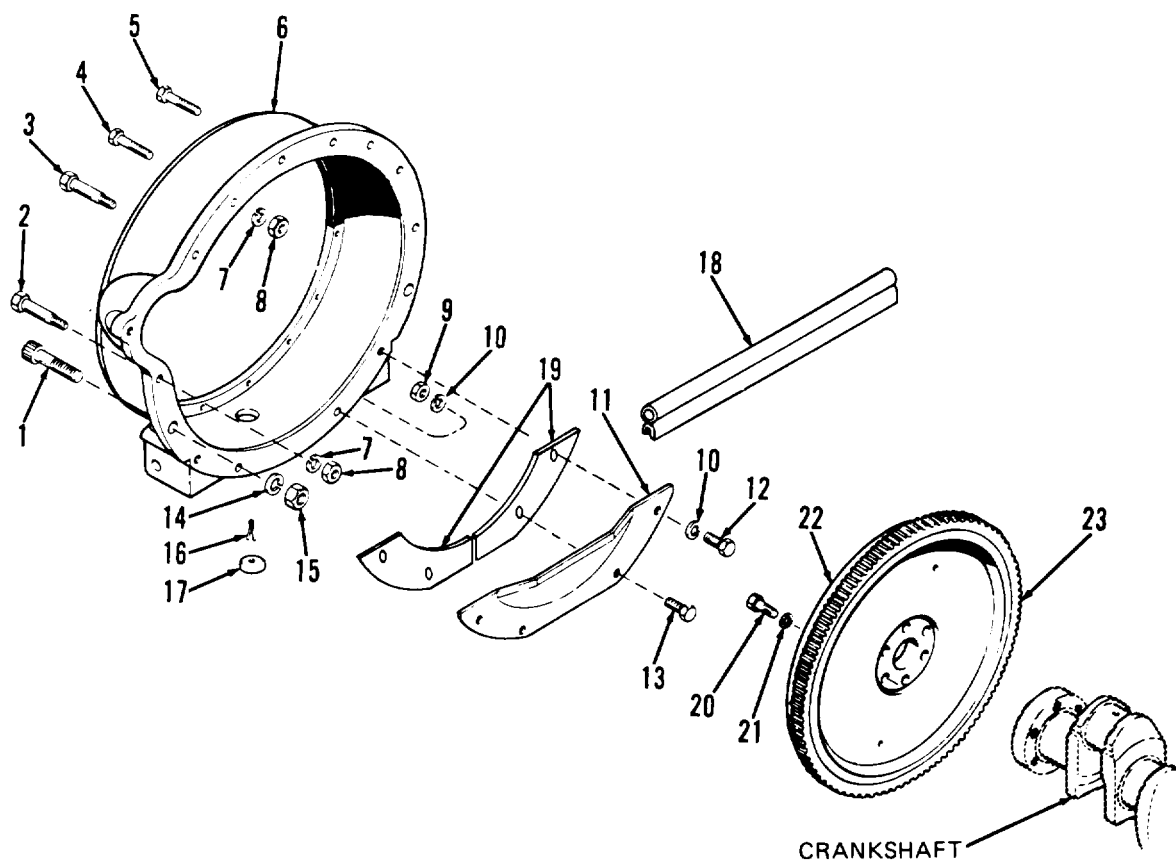


Figure 5. Flywheel and housing.

SECTION II

TM5-3805-262-24P

C01

(1) ITEM NO	(2) SMR CODE	(3) CAGEC	(4) PART NUMBER	(5) DESCRIPTION AND USABLE ON CODES (UOC)	(6) QTY
GROUP 0103 FLYWHEEL ASSEMBLY FIG.5 FLYWHEEL AND HOUSING					
1	PFFZZ	10988	166-138	BOLT, MACHINE	2
2	PFFZZ	10988	A149765	BOLT, SHOULDER	1
3	PFFZZ	10988	A149764	BOLT, SHOULDER	1
4	PFFZZ	80204	B1821BH050C150N	SCREW, CAP, HEXAGON H	3
* 5	PFFZZ	80204	B1821BH050C250N	SCREW, CAP, HEXAGON H	3
6	PFFZZ	10988	A166156	HOUSING, FLYWHEEL	1
7	PFFZZ	96906	MS35338-48	WASHER, LOCK	8
8	PF0ZZ	29930	120378	NUT, PLAIN, HEXAGON	3
9	PFFZZ	96906	MS51967-14	NUT, PLAIN, HEXAGON	2
10	PFFZZ	96906	MS35338-48	WASHER, LOCK	4
11	PAFZZ	10988	A58931	SHIELD, DUST, FLYWHEEL	1
12	PFFZZ	80204	B1821BH050C075N	SCREW, CAP, HEXAGON H	2
13	PFFZZ	80204	B1821BH050C150N	SCREW, CAP, HEXAGON H	2
14	PFFZZ	96906	MS35338-51	WASHER, LOCK	2
15	PFFZZ	96906	MS51967-23	NUT, PLAIN, HEXAGON	2
* 16	PAFZZ	96906	MS24665-351	PIN, COTTER	1
17	PAFZZ	10988	L111041	PLUG, PROTECTIVE, DUS	1
18	PAFZZ	10988	L109461	NONMETALLIC SPECIAL	1
19	PAFZZ	10988	L111430	GASKET	1
20	PFFZZ	96906	MS90727-162	SCREW, CAP, HEXAGON H	6
21	PFFZZ	10988	A58629	WASHER, FLAT	6
22	PAFFF	10988	A154190	FLYWHEEL, ENGINE	1
23	PFFZZ	10988	A27920	GEAR, SPUR	1

END OF FIGURE