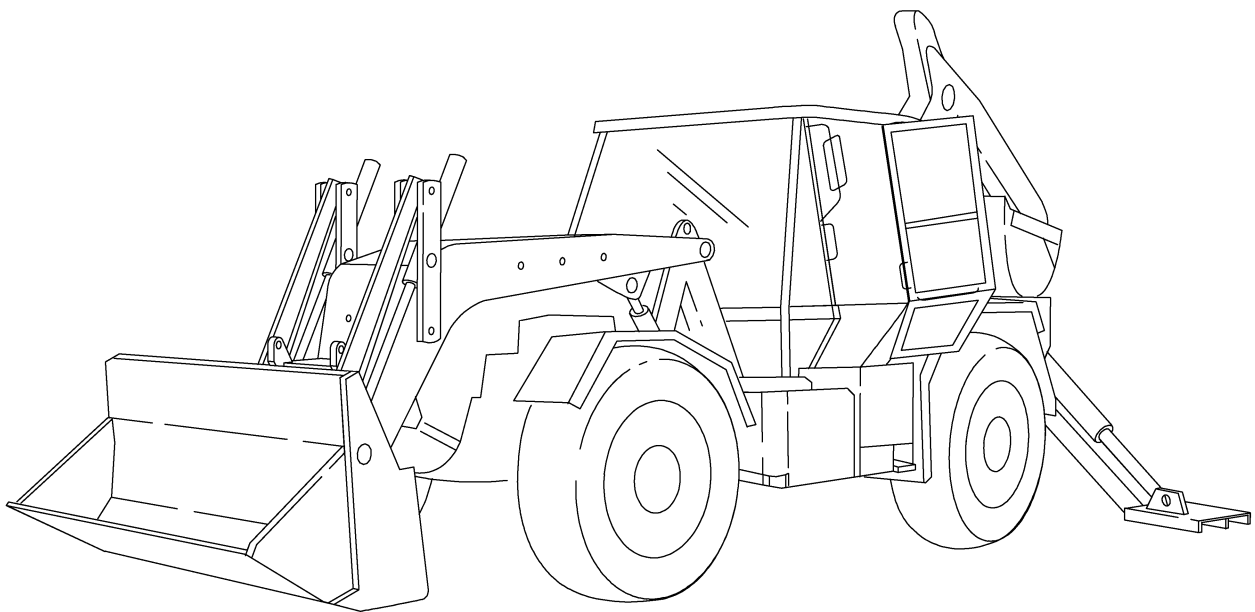


TECHNICAL MANUAL

**UNIT, DIRECT SUPPORT, AND
GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST
FOR
INTERIM HIGH-MOBILITY ENGINEER
EXCAVATOR (IHMEE)**

NSN 2420-66-148-7692



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UNIT, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST FOR INTERIM HIGH-MOBILITY ENGINEER EXCAVATOR (IHMEE)

NSN 2420-66-148-7692

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INTRODUCTION

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 IHMEE. It authorizes the requisitioning, issue, and disposition of spares, repair parts, and special tools as indicated by the source, maintenance, and recoverability (SMR) codes.

GENERAL

In addition to the Introduction work package, this RPSTL is divided into the following work packages.

1. **Repair Parts List Work Packages.** Work packages containing lists of spares and repair parts authorized by this RPSTL for use in the performance of maintenance. These work packages also include 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. Sending units, brackets, filters, and bolts are listed with the component they mount on. Bulk materials are listed by item name in FIG. BULK at the end of the work packages. Repair parts kits are listed separately in their own functional group and work package. Repair parts for reparable special tools are also listed in a separate work package. Items listed are shown on the associated illustrations.
2. **Special Tools List Work Packages.** Work packages containing lists of special tools, special TMDE, and special support equipment authorized by this RPSTL (as indicated by Basis of Issue (BOI) information in the DESCRIPTION AND USABLE ON CODE (UOC) column). Tools that are components of common tool sets and/or Class VII are not listed.
3. **Cross-Reference Indexes Work Packages.** There are two cross-reference indexes work packages in this RPSTL: the National Stock Number (NSN) Index work package and the Part Number (P/N) Index work package. The National Stock Number Index work package refers you to the figure and item number. The Part Number Index work package refers you to the figure and item number.

EXPLANATION OF COLUMNS IN THE REPAIR PARTS LIST AND SPECIAL TOOLS LIST WORK PACKAGES

ITEM NO. (Column (1)). Indicates the number used to identify items called out in the illustration.

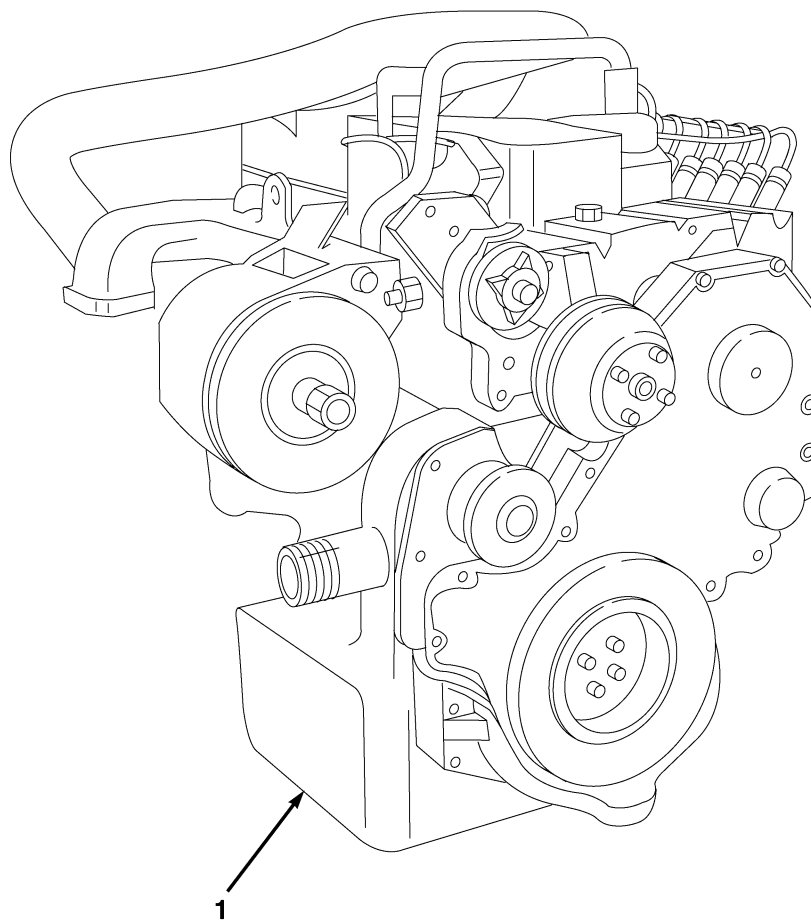
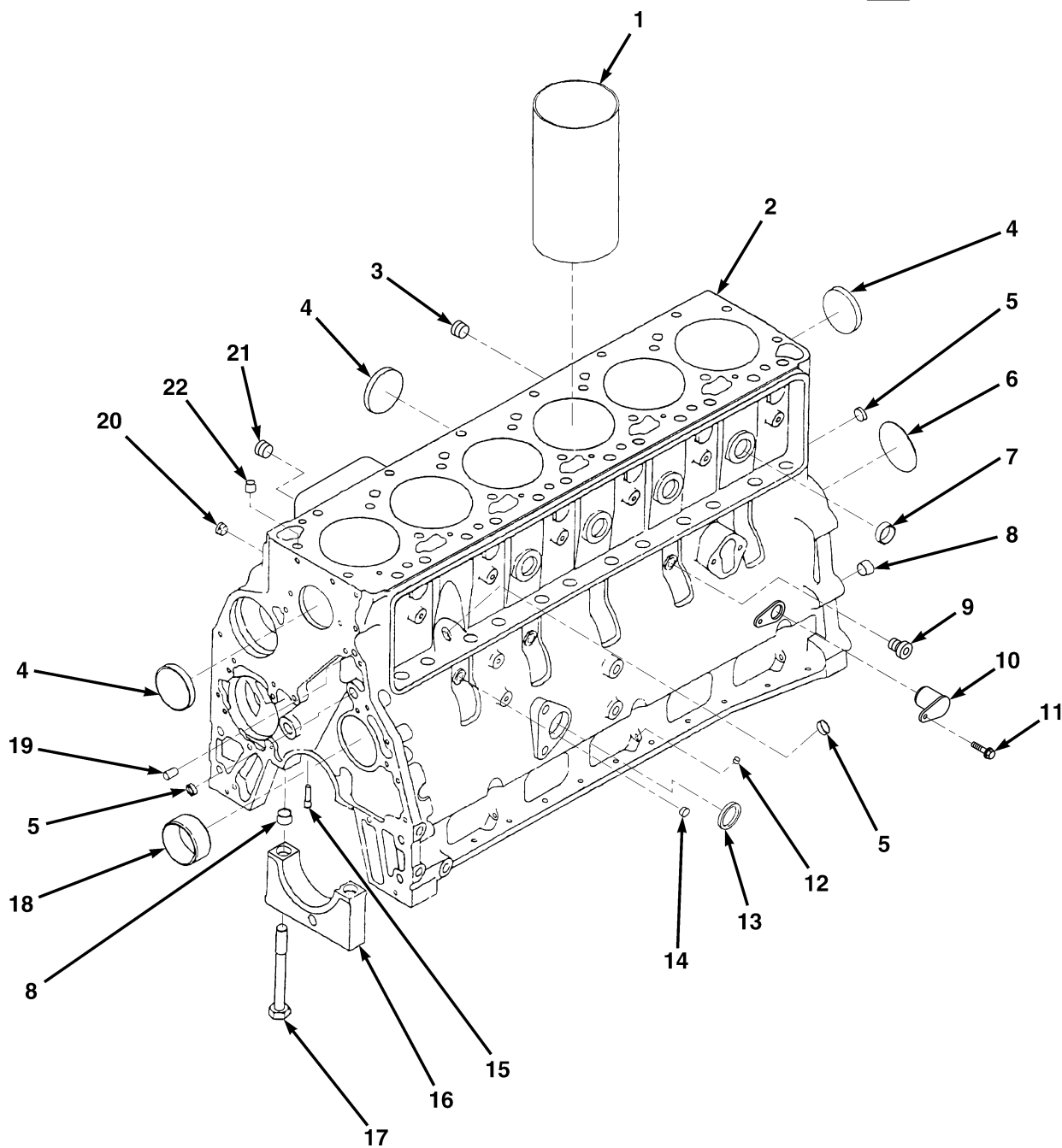


FIG. 1 ENGINE ASSEMBLY

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
					GROUP AA: ENGINE	
					FIG. 1 ENGINE ASSEMBLY	
1	PAFHH	2815-01-506-1786	15434	D403057CX02	ENGINE,CUMMINS 6BTA 5.9-185 HP	1
END OF FIGURE						

2-3 THROUGH 22

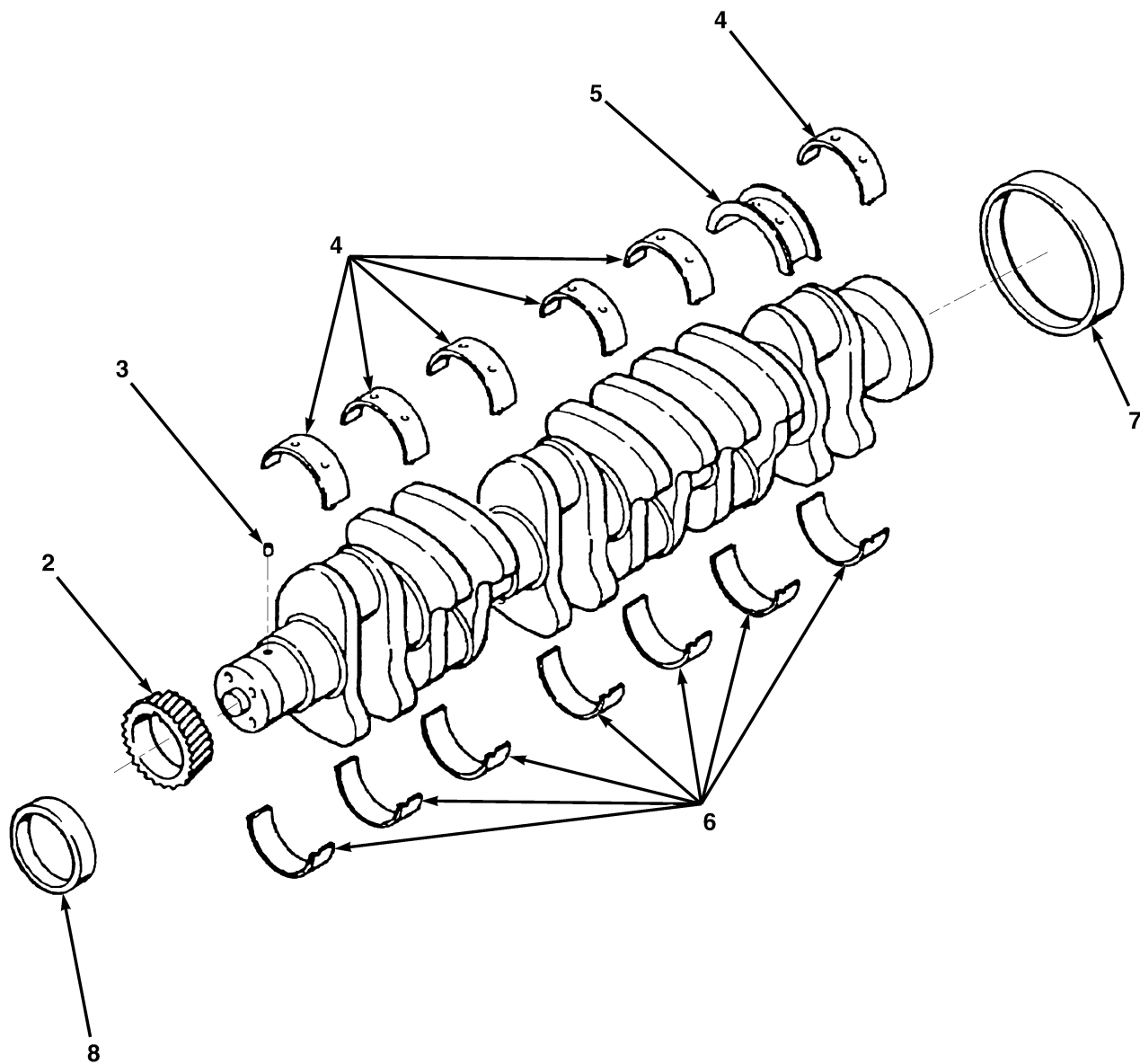


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FIG. 2 CYLINDER BLOCK

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
GROUP AA: ENGINE						
FIG. 2 CYLINDER BLOCK						
1	PAHZZ	2815-01-262-3390	15434	3904166	CYLINDER SLEEVE, FOR REPAIR ONLY.....	1
2	PFHHH	2815-01-340-7123	15434	3935943	ENGINE BLOCK,DIESEL	1
3	KFHZZ	4730-01-214-7081	15434	3008469	• PLUG,PIPE,PART OF KIT P/N 3933220.....	1
4	PFHZZ	5340-01-431-8753	15434	3922072	• PLUG,EXPANSION	5
5	PFHZZ	5340-01-190-7424	15434	3900956	• PLUG,EXPANSION	3
6	KFHZZ	5340-01-194-4667	15434	3900687	• PLUG,EXPANSION,PART OF KIT P/N 3933220	1
7	PFHZZ	5340-01-435-7103	86403	4429 735	• PLUG,EXPANSION	4
8	KFHZZ	3120-01-294-9503	15434	3900068	• BEARING,SLEEVE,PART OF KIT P/N 3933220	14
9	KFHZZ	5365-01-454-5476	15434	3678921	• PLUG,MACHINE THREAD,PART OF KIT P/N 3933220	1
10	KFHZZ	5340-01-481-4437	15434	3932296	• PLUG,O-RING,PART OF KIT P/N 3933220	1
11	KFHZZ	5305-01-237-4915	15434	3900629	• SCREW,CAP,HEXAGON,PART OF KIT P/N 3933220	1
12	KFHZZ	5340-01-239-8607	15434	3900955	• PLUG,EXPANSION,PART OF KIT P/N 3933220	3
13	KFHZZ	5340-01-190-7425	15434	3900958	• PLUG,EXPANSION,PART OF KIT P/N 3933220	1
14	KFHZZ	5365-01-454-5474	15434	3678923	• PLUG,MACHINE THREAD,PART OF KIT P/N 3933220	3
15	KFHZZ	2815-01-485-5023	15434	3937214	• NOZZLE,LUBRICATING,PART OF KIT P/N 3933220	6
16	PFHZZ	2815-01-493-3058	0B8S3	3936791	• CAP,MAIN BEARING	7
17	PAHZZ	5306-01-477-6050	15434	3927948	• BOLT,SHOULDER	14
18	PAHZZ	3120-01-477-6294	15434	3940059	• BUSHING,SLEEVE	1
19	KFHZZ	5315-01-188-0761	15434	3900257	• PIN,STRAIGHT,HEADLE,PART OF KIT P/N 3933220	2
20	KFHZZ	4730-99-214-1783	K4843	3008468	• PLUG,PIPE,PART OF KIT P/N 3933220.....	1
21	KFHZZ	5340-01-431-8752	15434	3920706	• PLUG,EXPANSION,PART OF KIT P/N 3933220	1
22	KFHZZ	5315-01-188-0762	15434	3902343	• PIN,STRAIGHT,HEADLE,PART OF KIT P/N 3933220	2
END OF FIGURE						

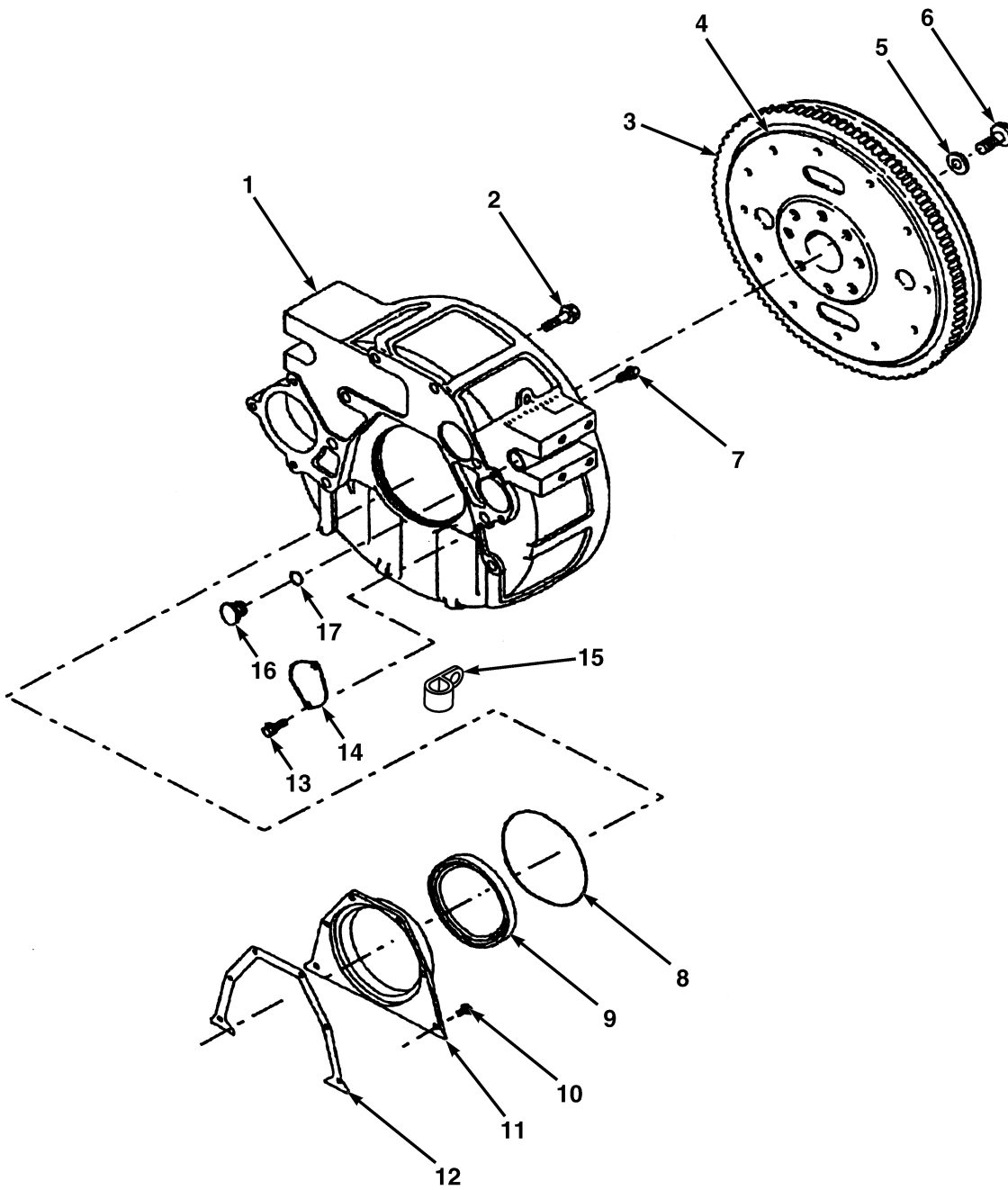
1- 2 AND 3



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FIG. 3 CRANKSHAFT AND MAIN BEARINGS

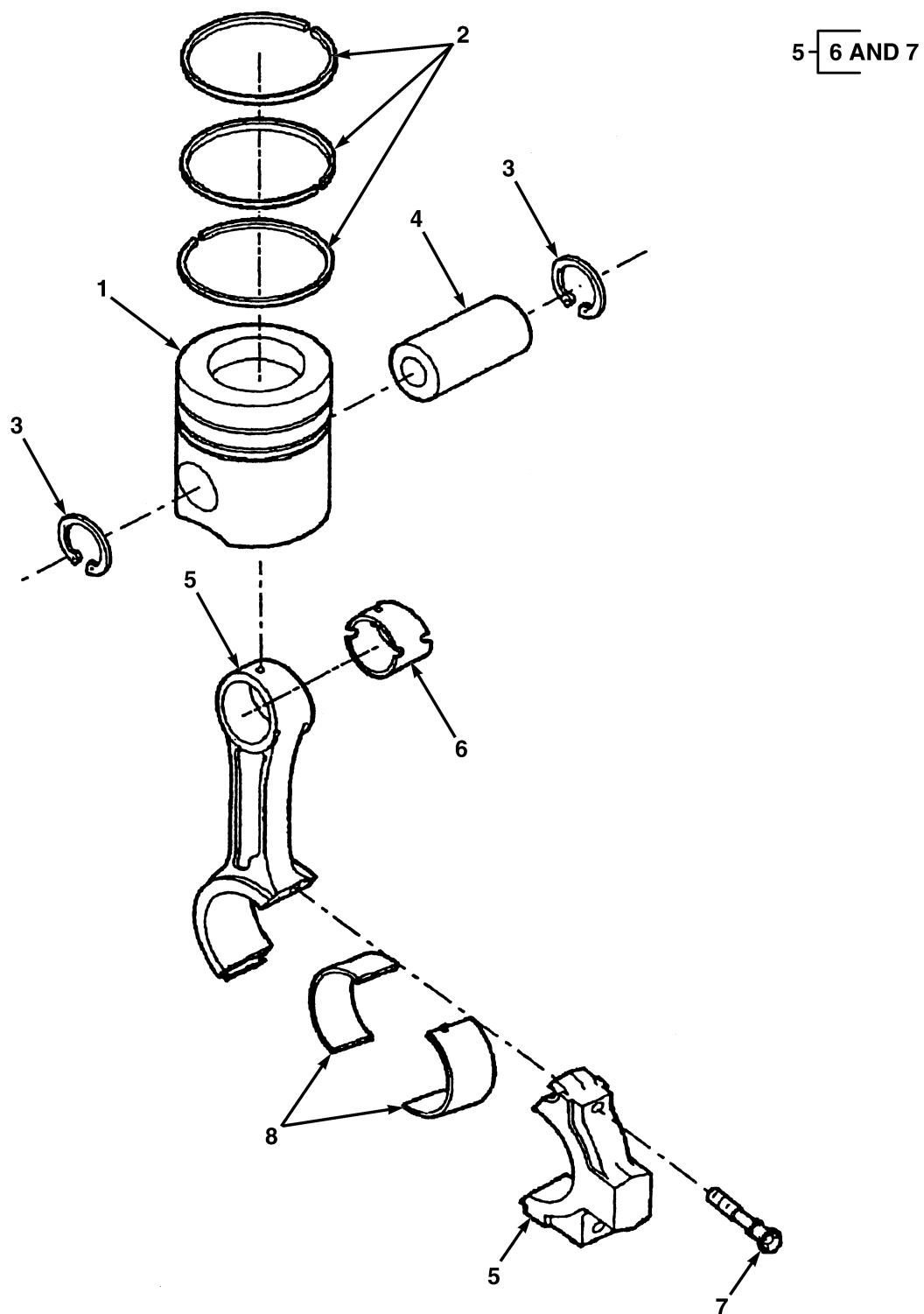
(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
					GROUP AA: ENGINE	
					FIG. 3 CRANKSHAFT AND MAIN BEARINGS	
1	PAHZZ	2815-01-294-1296	15434	3908032	CRANKSHAFT,ENGINE	1
2	PAHZZ	3020-01-355-3361	15434	3929027	GEAR,HELICAL,PART OF P/N 3908032	1
3	PAHZZ	5315-01-270-8285	15434	3904483	PIN,STRAIGHT,HEADLE,PART OF P/N 3908032	1
4	PAHZZ	3120-01-464-1298	15434	3929016	BEARING,MAIN,STD,PART OF KIT P/N 3802070	6
5	PAHZZ	3120-01-438-7001	15434	3926723	BEARING, HALF SET,PART OF KIT P/N 3802070	1
6	PAHZZ	3120-01-254-5344	15434	3802520	BEARING,SLEEVE,PART OF KIT P/N 3802070	7
7	PAHZZ	3120-01-266-1529	15434	3802820	BEARING,SLEEVE	1
8	PAHZZ	3120-01-266-1530	15434	3926126	BEARING,SLEEVE	1
END OF FIGURE						



ME0467

FIG. 4 FLYWHEEL AND FLYWHEEL HOUSING

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
GROUP AA: ENGINE						
FIG. 4 FLYWHEEL AND FLYWHEEL HOUSING						
1	PFFZZ	2815-01-506-9971	0B8S3	3933387	HOUSING, FLYWHEEL	1
2	PAFZZ	5305-01-340-8395	15434	3920447	SCREW, CAP, HEXAGON	8
3	PAFZZ	3020-01-262-3343	15434	390177400	GEAR, INTERNAL, PART OF P/N 3908828	1
4	PAFZZ	2815-01-481-4268	12361	3908828	FLYWHEEL, ENGINE	1
5	PAFZZ	5310-01-234-2517	15434	3900269	WASHER, FLAT	8
6	PAFZZ	5305-01-192-5677	10988	J901395	SCREW, CAP, HEXAGON	8
7	PAFZZ	4730-01-237-6950	15434	3904181	PLUG, PIPE	1
8	PAFZZ	5330-01-271-9375	15434	3912473	PACKING, PREFORMED	1
9	PAFZZ	5331-01-480-9716	15434	3434485	O-RING	1
10	PAFZZ	5305-01-271-5851	15434	3913638	SCREW, CAP, HEXAGON	6
11	PAFZZ	2815-01-400-4036	15434	3936904	COVER, TIMING GEAR	1
12	PAFZZ	5330-01-304-7807	15434	3938159	GASKET	1
13	PAFZZ	5305-01-192-2036	15434	3912072	SCREW	2
14	PFFZZ	5340-01-406-9458	15434	3925234	COVER, ACCESS	1
15	PAFZZ	5340-01-478-0550	15434	3928989	CLAMP, LOOP	1
16	PAFZZ	2815-01-273-0571	15434	3910248	PLUG, FLYWHEEL HOUS	1
17	PAFZZ	5330-01-272-1124	15434	3910260	PACKING, PREFORMED	1
END OF FIGURE						



ME0468

FIG. 5 CONNECTING ROD AND PISTON

(1)	(2)	(3)	(4)	(5)	(6)	(7)
ITEM NO	SMR CODE	NSN	CAGEC	PART NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
					GROUP AA: ENGINE	
					FIG. 5 CONNECTING ROD AND PISTON	
1	KFHZZ		15434	3802757-1	PISTON, PART OF KIT P/N 3802757	6
2	PAHZZ	2815-01-488-5708	15434	3802750	RING SET,PISTON,PART OF KIT P/N 3802757	6
3	PAHZZ	5325-01-412-6320	15434	3920691	RING,RETAINING,PART OF KIT P/N 3802757	12
4	PAHZZ	2815-01-441-6464	15434	3934047	PIN,PISTON	6
5	PAHZZ	2815-01-193-2638	15434	3942581	ROD,ENGINE CONNECTING.	1
6	XAHZZ		15434	3941476	BEARING,SLEEVE,PART OF P/N 3942581	1
7	PAHZZ	5305-01-190-1478	15434	3900919	SCREW,PART OF P/N 3942581	2
8	PAHZZ	3120-01-193-9475	15434	3901170	BEARING,SLEEVE	2
END OF FIGURE						