

TECHNICAL MANUAL

**DIRECT SUPPORT AND GENERAL SUPPORT
MAINTENANCE REPAIR PARTS AND
SPECIAL TOOLS LISTS**

**TRACTOR, WHEELED, DED, LOADER BACKHOE:
WITH HYDRAULIC IMPACT TOOL
AND WITH HYDRAULIC EARTH
AUGER ATTACHMENT**

JOHN DEERE MODEL JD410 (CCE)

**WITH BUCKET, IMPACTOR,
AND EARTH DRILL
NSN 2420-00-567-0135**

This manual superseded TM 5-2420-222-34P, 30 December 1985.

Approved for public release; distribution is unlimited.

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Current as of 18 June 1991

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

SECTION I. INTRODUCTION

1. Scope.

This RPSTL lists and authorizes spares and repair parts; special tools; special test, measurement, and diagnostic equipment (CTMDE); and other special support equipment required for performance of Direct Support and General Support Maintenance of the Loader Backhoe Wheeled Tractor. 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 their own functional group within Section II. Repair parts for reparable 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.

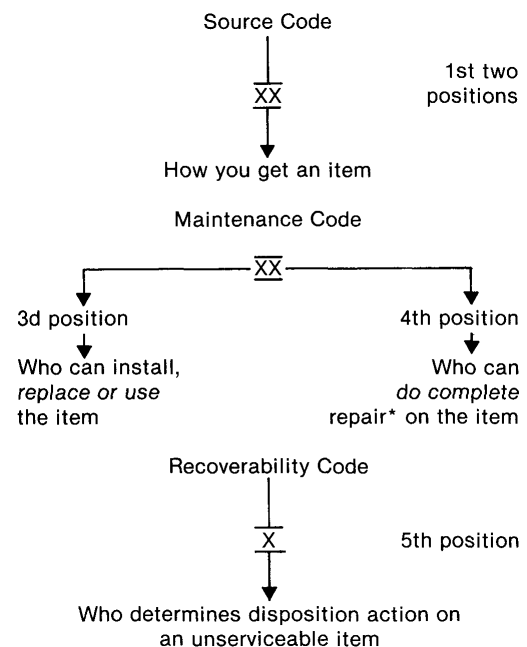
c. *Section IV Cross-reference Indexes.* A list, in National Item Identification Number (NIIN) sequence, of all National stock numbered items appearing in the listing, followed by a list in alphanumeric sequence of all part numbers appearing in the listings. National stock numbers and part numbers are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

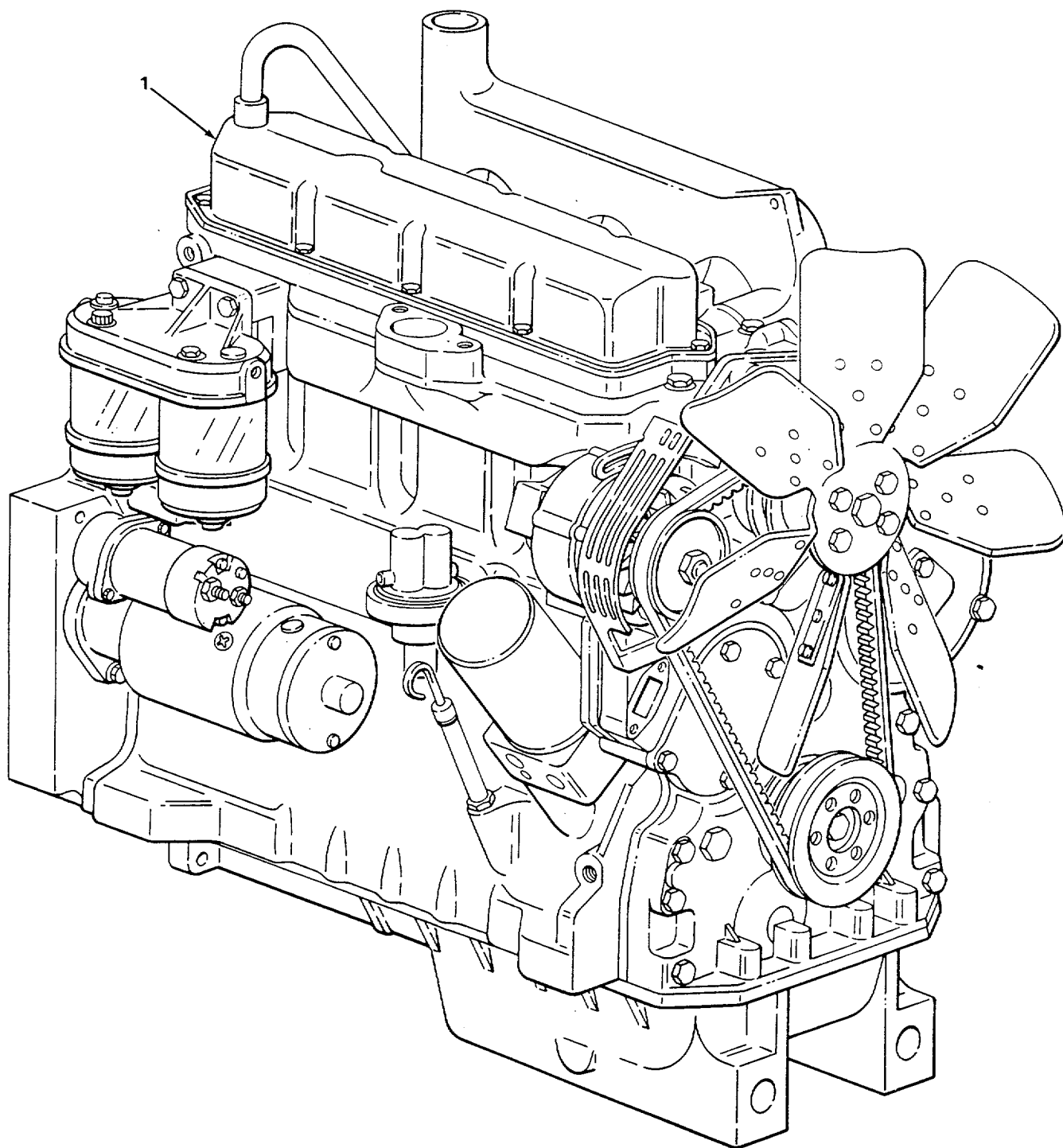
a. *ITEM NO.* (Column (1)). Indicates the number used to identify items called out in the illustration.

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.

(1) *Source Code.* The source code tells you how to get an item needed for maintenance, repair, or overhaul of an end item/equipment. Explanations of source codes follows:



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FIGURE 1. ENGINE ASSEMBLY.

SECTION II.

TM 5-2420-222-34P

(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 ASSEMBLY	
1	PAFHD 75160		AR68049	ENGINE, DIESEL.....	1
				END OF FIGURE	

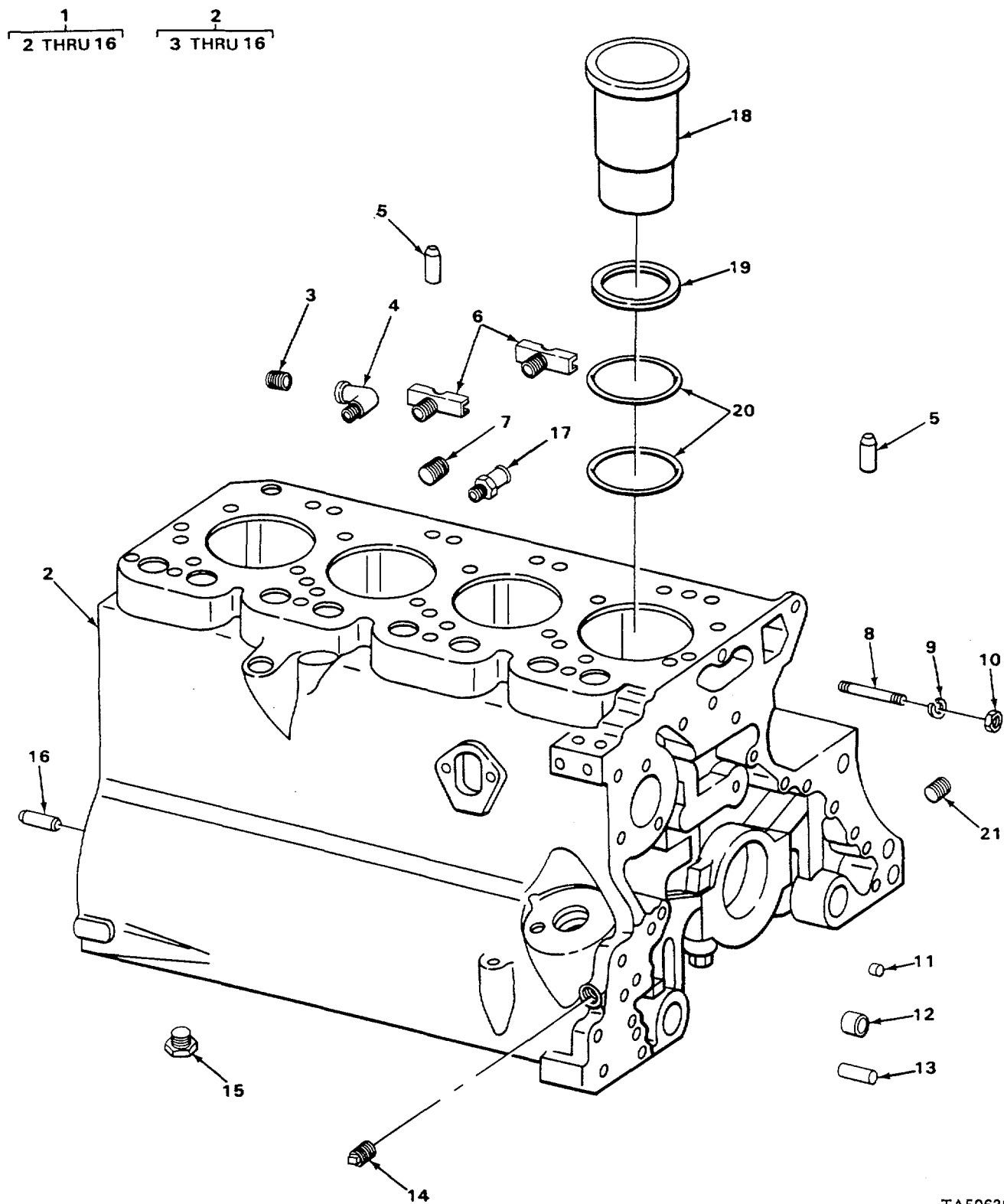
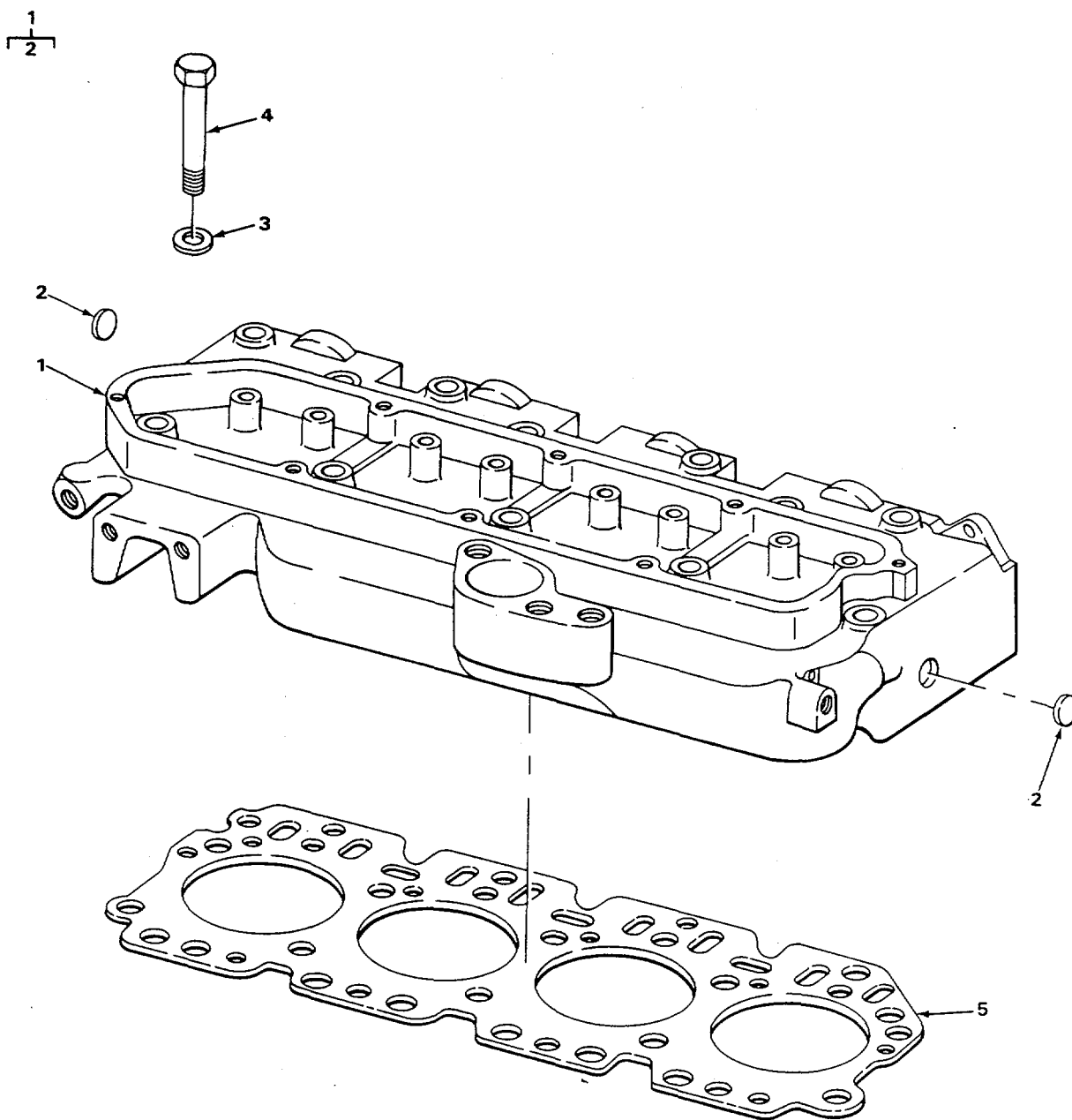


FIGURE 2. CYLINDER BLOCK AND LINERS.

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SECTION II					
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR		PART		
NO	CODE	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
GROUP 0101 CRANKCASE, BLOCK, CYLINDER HEAD					
FIG. 2 CYLINDER BLOCK AND LINERS					
1	PAHHH	75160	AR97103	ENGINE BLOCK ASSEMB	1
* 2	XBHHH	75160	AR64727	ENGINE BLOCK, DIESEL.....	1
* 3	PAFZZ	75160	15H649	PLUG, MACHINE THREAD	1
* 4	PAFZZ	75160	15H613	ELBOW, PIPE 90 DEGREES, TO BE USED WITH ENGINE COOLANT HEATER	2
5	PFFZZ	75160	R26241	••PIN, STRAIGHT.HEADLE	2
6	PAFZZ	75160	AT13740	••COCK, DRAIN TO BE USED WIO ENGINE COOLANT HEATER	2
7	PFFZZ	96906	MS27769-3	••PLUG, PIPE.....	1
8	PAHZZ	75160	T33279	••STUD, PLAIN COVER.....	2
8	PAHZZ	75160	T25701	••STUD, PLAIN.....	1
9	PAHZZ	96906	MS35338-46	••WASHER, LOCK	3
10	PFFZZ	75160	14H812	••NUT HEX	3
11	PAHZZ	75160	T18891	••PLUG	2
12	PAHZZ	75160	R26493	••BUSHING, SLEEVE ENGINE.....	1
13	PFFZZ	75160	R26650	••PIN, STRAIGHT, HEADLE	2
14	PAHZZ	75160	15H255	••PLUG, PIPE.....	1
15	PAHZZ	75160	R54802	••RESTRICTOR, FLUID FL COOLING	4
16	PAHZZ	75160	R48685	••PIN, STRAIGHT, HEADLE	2
17	PFFZZ	75160	T29388	NIPPLE, SPECIAL TO BE USED WITH ENGINE COOLANT HEATER	2
18	KFHZZ	75160	T32343	CYLINDER SLEEVE PART OF KIT P/N AR78041	4
* 19	PAHZZ	75160	R48768	PACKING PART OF KIT P/N AR97191 PART OF KIT P/N AR65071 PART OF KIT P/N AR78041 PART OF KIT P/N RE38857	4
20	PAHZZ	06021	AR71618	KIT PACKING CYL PART OF KIT P/N AR78041	8
21	PAHZZ	75160	15H558	PLUG, PIPE	5

END OF FIGURE



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FIGURE 3. CYLINDER HEAD AND GASKET.

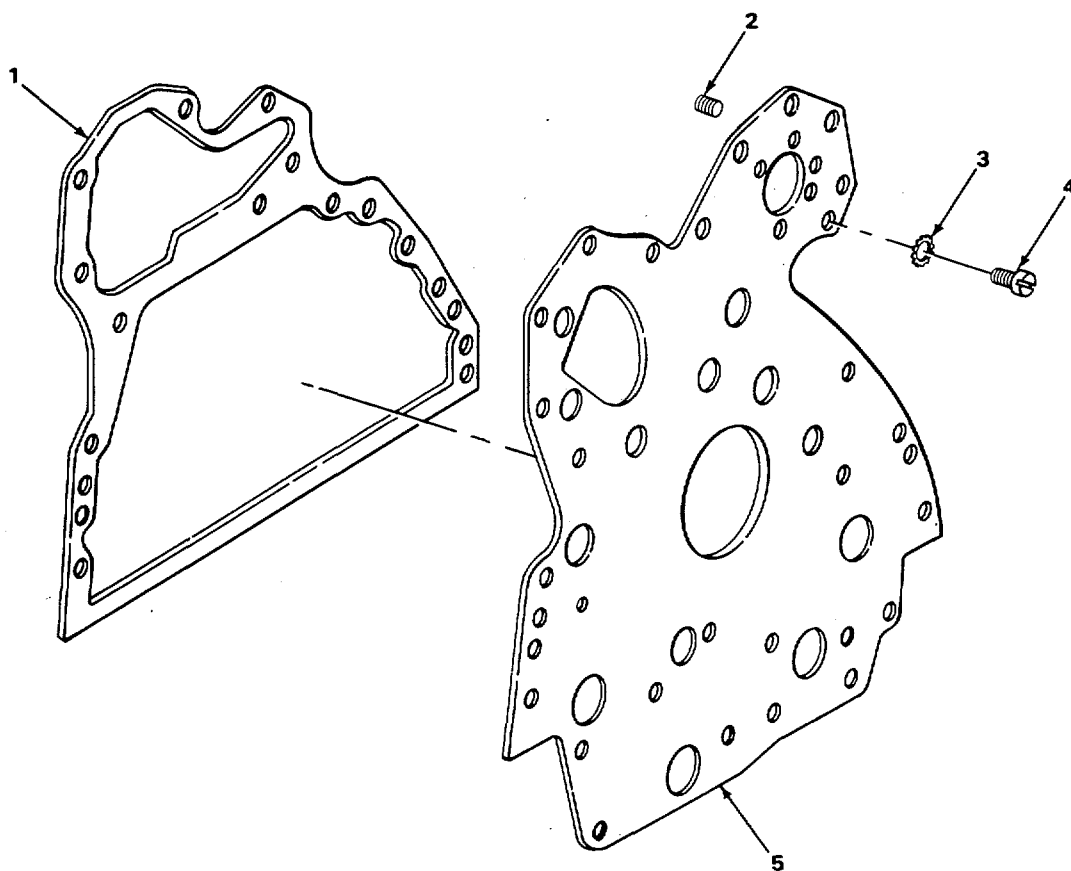
SECTION II				TM 5-2420-222-34P	
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR		PART		
NO	CODE	CAGEC	NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY

GROUP 0101 CRANKCASE, BLOCK,
CYLINDER HEAD

FIG 3 CYLINDER HEAD AND GASKET

1	PAFFF	75160	AR62452	CYLINDER HEAD, DIESE	1
2	PAFZZ	75160	A3910R	.PLUG, EXPANSION.....	2
3	PAFZZ	75160	T20168	WASHER, FLAT	18
4	PAFZZ	75160	R53223	SCREW, CAP, HEXAGON H.....	18
*5	PAFZZ	75160	R91878	GASKET PART OF KIT P/N AR100426 PART	1
				OF KIT P/N RE38857	

END OF FIGURE



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FIGURE 4. ENGINE FRONT PLATE.

SECTION II

TM 5-2420-222-34P

(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. 4 ENGINE FRONT PLATE					
* 1	PAHZZ	75160	R73140	GASKET PART OF KIT P/N RE38857	1
2	PAHZZ	96906	MS51966-136	SETSCREW	5
2	PAHZZ	75160	AT22919	SETSCREW	2
3	PAHZZ	75160	12H324	WASHER, LOCK EXTERNAL TEETH	5
4	PAHZZ	75160	T20166	SCREW, MACHINE	5
5	PAHZZ	75160	R56736	PLATE, CYLINDER BLOC	1
END OF FIGURE					