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TECHNICAL MANUAL

INTERMEDIATE DIRECT SUPPORT AND;
INTERMEDIATE GENERAL SUPPORT
MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LISTS
(INCLUDING DEPOT MAINTENANCE REPAIR PARTS)
LOADER, SCOOP TYPE, DED 4X4
ARTICULATED FRAME STEER, 4 1/2 TO
5 CU. YD., (CCE)
ARMY MODEL H100C RB
TYPE I WITH 4 1/2 CU. YD. ROCK
BUCKET
NSN 3805-01-052-9042
ARMY MODEL
TYPE II WITH 5 CU. YD.
GENERAL PURPOSE BUCKET
NSN 3805-01-052-9043

SUPERSEDES COPY DATED 1 MAY 1986 AND ALL CHANGES.

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HEADQUARTERS, DEPARTMENT OF THE ARMY

OCTOBER 1988

TECHNICAL MANUAL
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HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, D. C., 12 October, 1988.

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INTERMEDIATE GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LISTS
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ARMY MODEL H100C GPB
TYPE 11 WITH 5 CU. YD. GENERAL PURPOSE BUCKET
NSN 3805-01-052-9043

Current as of 21 Jun 1988.

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 (Recommend Changes to Publications and Blank Forms), or DA Form 2028-2 located in back of this manual direct to: U.S. Army Tank-Automotive Command, ATTN: AMSTA-MB Warren, MI 48397-5000. A reply will be furnished to you.

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

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 Intimidate Direct Support and Intimidate General Support Maintenance of the Loader, Scoop Type. It authorizes the requisitioning, issue, and disposition of spares, repair parts and special tools as indicated by the source, maintenance and recoverability (SMR) cods.

2. General.

In addition to Section I. Introduction, this Repair Parts and Special Tools List is divided into the following sections:

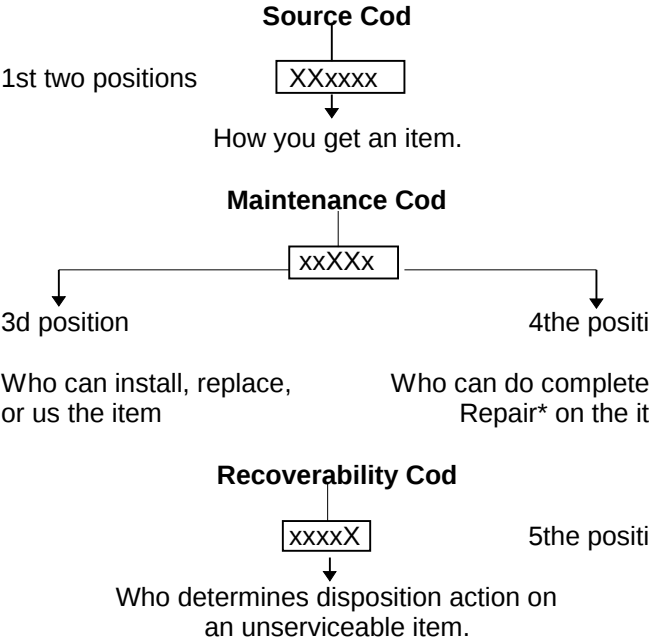
a. *Section II. Repair Parts List.* A list of spares and Repair parts authorized by this RPSTL for us in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in ascending alphanumeric 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.

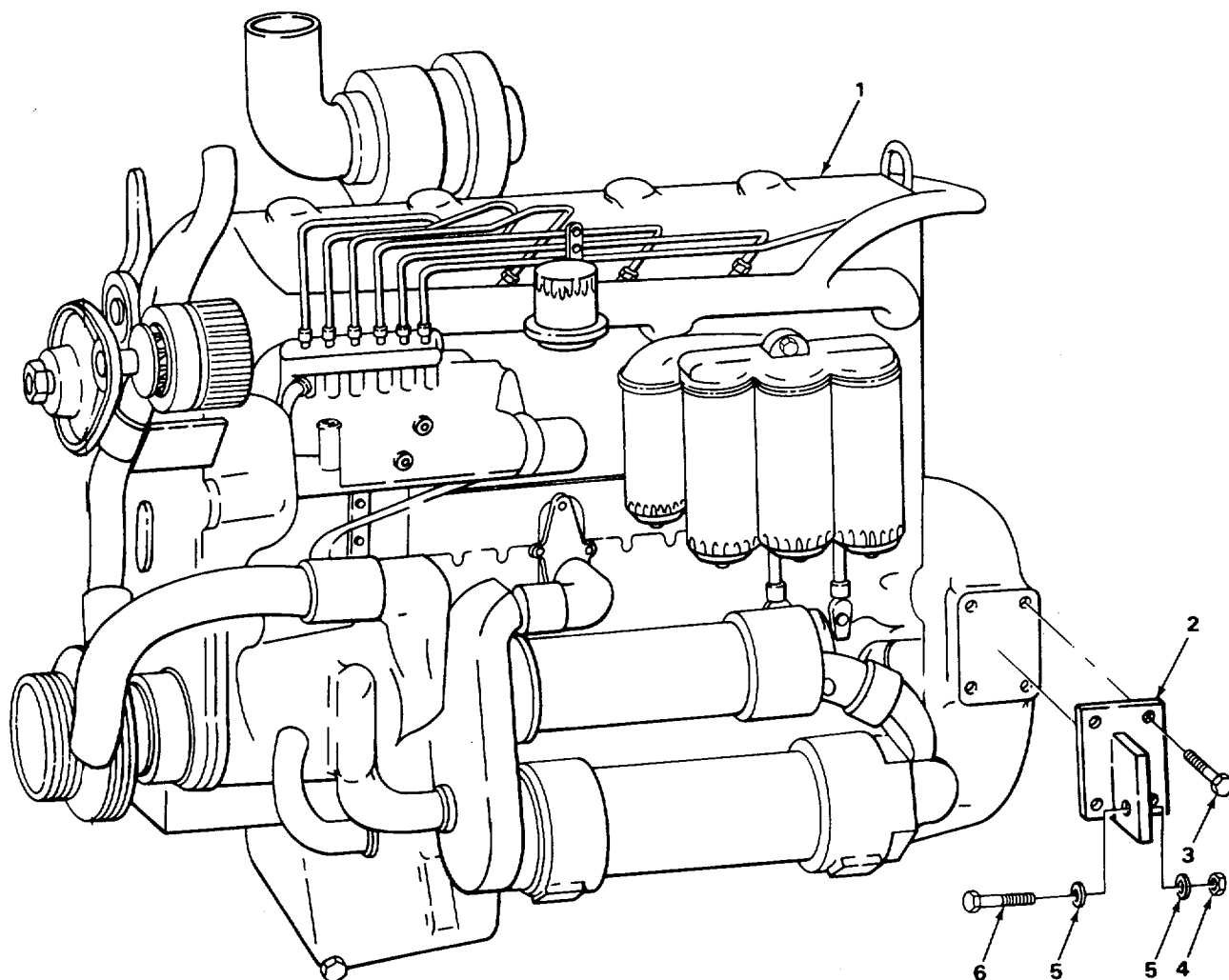
c. *Section IV Cross-reference Indexes.* A list, in National Item Identification Number (NIIN) sequence, of all National stock numbered items appearing in the listing, followed by a list in alphanumeric sequence of all part numbers appearing in the listings. National stock numbers and part numbers are cross-referenced to each illustration/Figure and item number apparent. The Figure and item number index lists Figure and item numbers in alphanumeric sequence and cross- references NSN, FSCM or CAGE, and part numbers.

3. Explanation of Columns (Sections 11 and 111).

- 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) cod is a 5-position cod 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 us/user environment in order to restore serviceability to a failed item.



TA235009

FIGURE 1. I.H. ENGINE AND MOUNTING

SECTION II					
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR		PARET		
NO	CODE	FSCM	NUMBER	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
GROUP 01 ENGINE					
GROUP 0100 ENGINE ASSEMBLY					
FIG. 1 I.H.ENGINE AND MOUNTING					
1	PAFHD	29510	68446692	ENGINE,DIESEL	1
2	XDFZZ	29510	163441H1	MOUNT,RH BELL HOUSING AND ENGINE	1
2	XDFZZ	29510	163442H2	MOUNT,LH BELL HOSING AND ENGINE.....	1
3	PFFZZ	29510	26162R1	SCREW,CAP,HEXAGON H	8
4	PFFZZ	29510	9413986	NUT,PLAINPHEXAGON.....	2
5	PFFZZ	29510	25550R1	WASHER,FLAT	4
6	PFFZZ	29510	25777RI	SCREW,MACHINE	2

END OF FIGURE

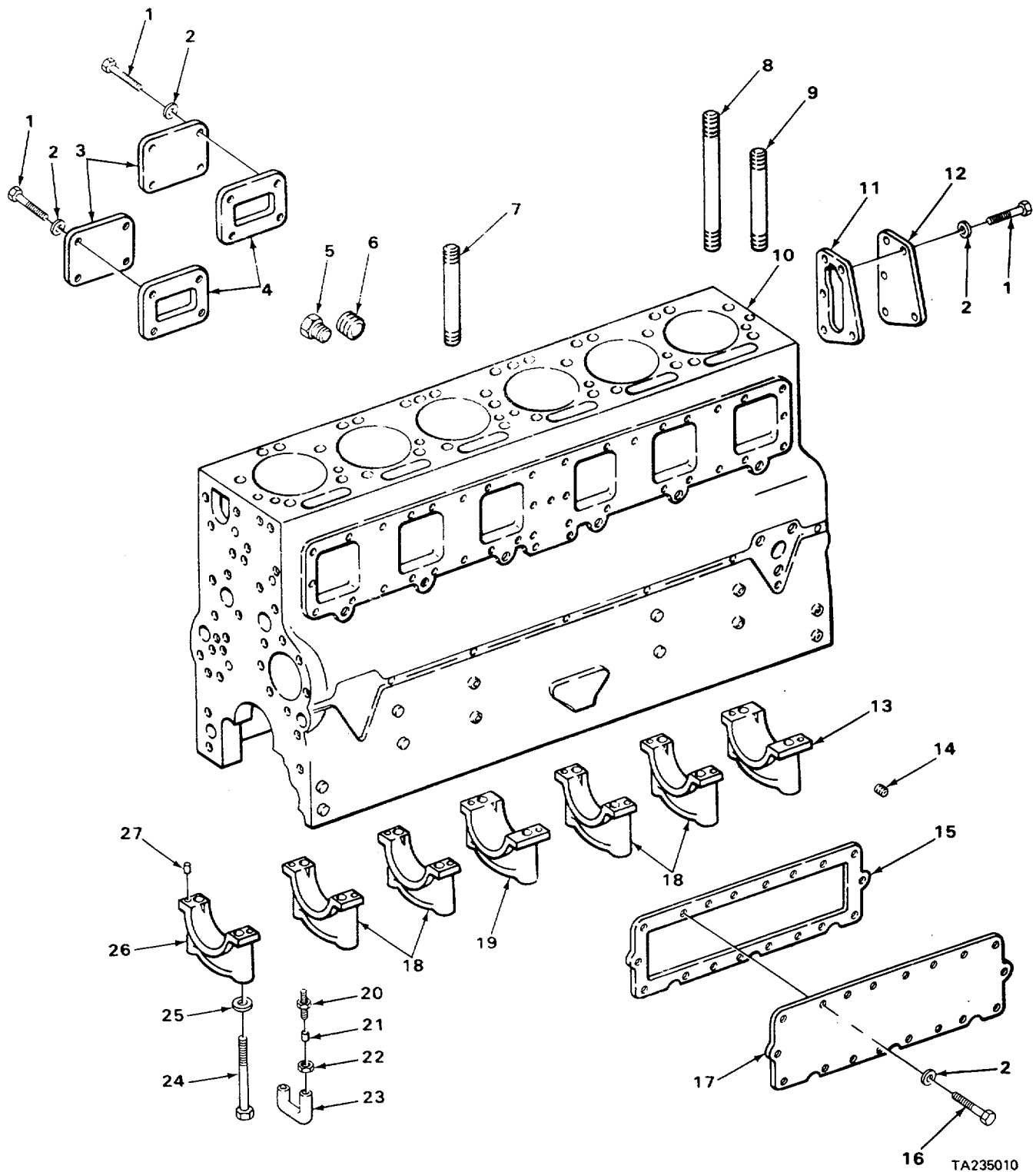
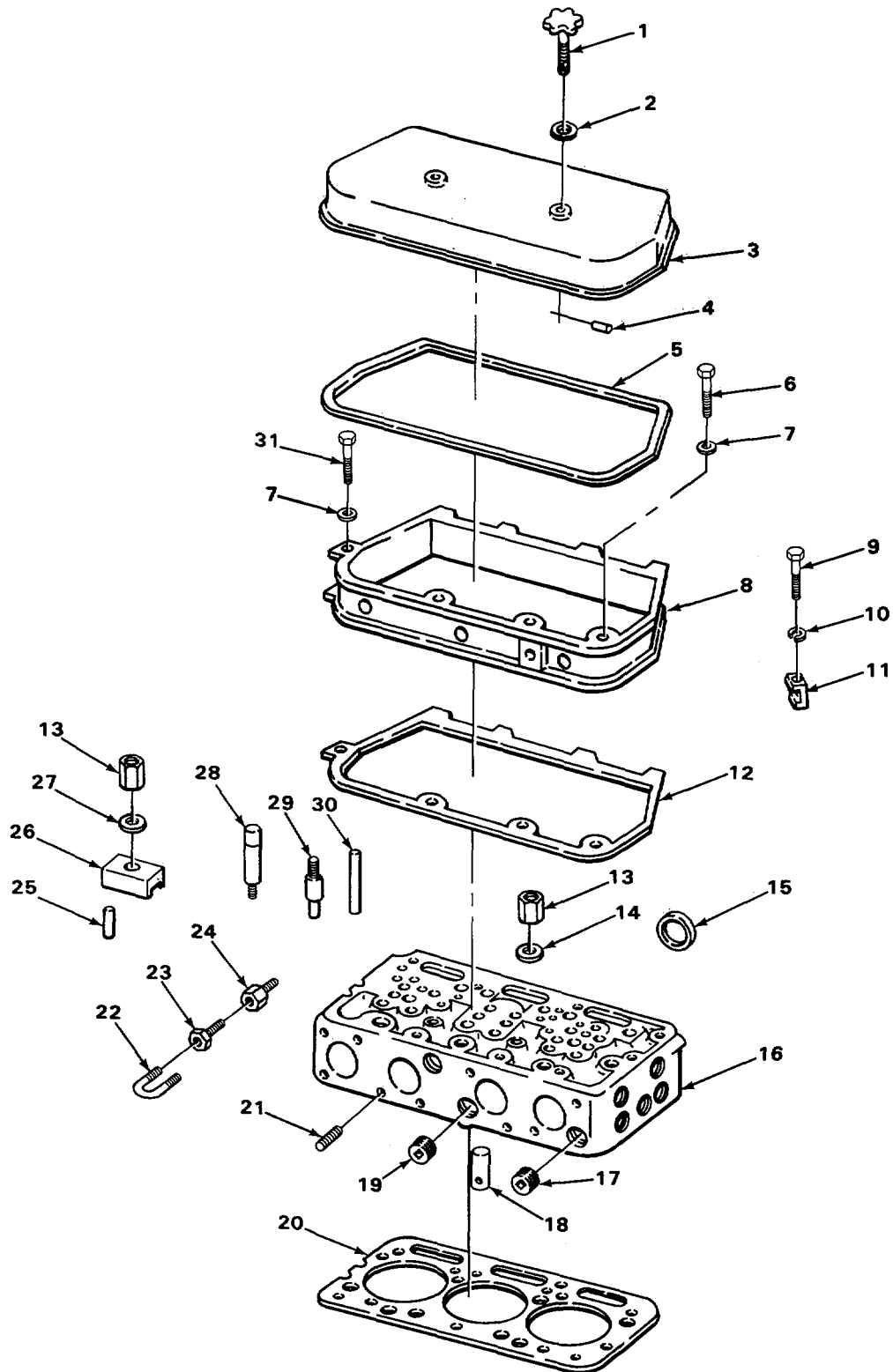


FIGURE 2. ENGINE BLOCK ASSEMBLY AND RELATED PARTS

SECTION II				TM 5-3805-255-34P	
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR	FSCM	PARET	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
NO	CODE		NUMBER		
GROUP 0101 CRANKCASE, BLOCK, CYLINDER HEAD FIG.2 ENGINE BLOCK ASSEMBLY AND RELATED PARTS					
1	PFFZZ	89346	24940R1	BOLT.....	13
2	PFFZZ	29510	25896R1	WASHER,FLAT	49
3	PFFZZ	93742	125-3062	COVER,ACCESS CRANKCASE SIDE.....	2
4	PFFZZ	29510	279713R1	GASKET CRANKCASE SIDE COVER PARET OF..... KIT P/N 332662R94.....	2
5	XOFZZ	29510	192085	BUSHING REDUCING PIPE	1
6	PFFZZ	29510	21502R1	PLUG PIPE	3
7	PFFZZ	29510	687588C2	STUD,PLAIN USE ON ENGINE SERIAL	1
8	PFFZZ	29510	279799R1	NUMBER 13064 AND UP	12
9	PFFZZ	29510	279798R1	ROOTTHEREADED END O(LONG)04	13
9	PFFZZ	29510	279798R1	STUD,PLAIN CYLINDER HEAD,USE ON..... SERIAL NUMBER 13063 AND BELOW	12
10	PFHHD	29510	687106C91	(SHORT)	1
11	PFFZZ	29510	279724R1	STUD,PLAIN CYLINDER HEAD,USE ON..... ENGINE SERIAL NUMBER 13064 AND UP	1
12	XDFZZ	29510	279723R1	(SHORT)	1
13	XDFZZ	29510	305803R1	ENGINE BLOCK ASSEMB	1
14	PFFZZ	24617	444688	RING,LUBRICATING CI CRANKCASE REARE	1
15	PFFZZ	29510	349456R1	COVER PARET OF KIT P/N 332662R94.1	1
16	PFFZZ	29510	24839R1	COVER,ACCESS	5
17	PFFZZ	29510	349455R1	CAP,PILLOW BLOCK CRANKSHAFT THERUST	2
18	PFFZZ	29510	305801R1	BEAREING	2
19	XDFZZ	29510	305802R1	PLUG,PIPE	36
20	PFFZZ	29510	278039R1	GASKET PUSH ROD CHAMBER COVER PARET..... OF KIT P/N 332662R94662R	2
21	PFFZZ	29510	278040R2	SCREWTCAP,HEXAGON H	4
22	PFFZZ	29510	278041R1	COVER,ACCESS CHAMBER	1
23	PFFZZ	29510	277951R1	CAP,PILLOW BLOCK INTERMEDIATE	2
24	PFFZZ	93742	125-3116	CRANKSHAFT BEAREING	1
25	PFFZZ	11083	IF9233	CAP CENTER CRANKSHAFT BEAREING.....	2
26	XDFZZ	29510	305800R1	ADAPTER,STRAIGHT,PI	2
27	XDFZZ	29510	20031R1	REDUCER,TUBE GEARE OIL JET TUBE	2
				NUT,PLAIN,HEXAGON GEARE OIL JET TUBE.....	2
				TUBE,BENT,METALLIC GEARE OIL JET	1
				SCREW,CAP CRANKSHAFT BEAREING CAP.....	14
				WASHERTFLAT CRANKSHAFT BEAREING CAP	14
				CAP,PILLOW BLOCK FRONT CRANKSHAFT	1
				BEAREING	14
				DOWEL CRANKSHAFT BEAREING CAP	14

END OF FIGURE



TA235011

FIGURE 3. CYLINDER HEAD

SECTION II					
(1)	(2)	(3)	(4)	(5)	(6)
ITEM	SMR	FSCM	PARET	DESCRIPTION AND USABLE ON CODES (UOC)	QTY
NO	CODE		NUMBER		
GROUP 0101 CRANKCASE, BLOCK, CYLINDER HEAD FIG.3 CYLINDER HEAD					
1	PFFZZ	29510	277613R11	THEUMBSCREW VALVE HOUSING COVER.....	4
2	XDFZZ	29510	606610C1	GASKET	4
3	XDFZZ	29510	671377C1	COVER FRONT AND REARE VALVE HOUSING	2
4	XDFZZ	29510	125-3170	PIN,SPRING	4
5	PFFZZ	29510	672167C1	GASKET VALVE COVER PARET OF KIT P/N	2
				701137C971137C 97.....	
6	PFFZZ	29510	24846R1	BOLT MACHINE.....	6
7	PFFZZ	29510	25896R1	WASHER,FLAT	8
8	XDFZZ	29510	671375C1	HOUSING VALVE COVER.....	2
9	PFFZZ	29510	374831R1	SOLT MACHINE.....	10
10	PFFZZ	96906	MS35338-65	WASHER,LOCK	10
11	XDFZZ	29510	672662C2	CLAMP VALVE HOUSING	10
12	KFFZZ	29510	671376C1	GASKET VALVE HOUSING TO CYLINDER.....	2
				PARET OF KIT P/N 701137C97.....	
*13	XDFZZ	29510	277605R1	NUT,PLAIN,HEXAGON STUD	25
14	PFFZZ	29510	277606R1	WASHER,FLAT	25
15	PFFZZ	29510	327413R1	PLUG,CORE HOLE.....	6
*16	PFFHH	29510	682924C91	CYLINDER HEAD,DIESE FRONT CYLINDER	1
*16	PFFHH	29510	682926C91	CYLINDER HEAD,DIESE REARE CYLINDER	1
17	XDFZZ	29510	304381R1	PLUG	22
18	XDFZZ	29510	341277R1	DIRECTOR,CYLINDER H1	4
19	PFFZZ	81348	WW-P-471ACBBLLE	PLUG,PIPE.....	8
20	PFFZZ	92679	609422C1	GASKET CYLINDER HEAD PARET OF KIT	2
				P/N 701137C97	
21	PFFZZ	29510	674263C1	ROD,CONTINUOUS THERE	12
22	PFFZZ	29510	277583R2	TUBE,WATER TRANSFER	1
23	PFFZZ	30327	28737	INVERTED NUT,TUBE C	2
24	PFFZZ	29510	38026DM	ADAPTER,STRAIGHT,PI	2
25	PFFZZ	31007	17283R1	PIN USE WITHE ENGINE SERIAL NUMBER	1
				13064 AND UP	
26	XDFZZ	29510	687595C91	CRAB ASSEMBLY CYLINDER HEAD,USE.....	1
				WITHE ENGINE SERIAL NUMBER 13064 AND	
				UP.....	
27	PFFZZ	29510	671372C1	WASHER,FLAT USE WITHE ENGINE SERIAL	1
				NUMBER 13063 AND BELOW UP	
27	PFFZZ	29510	687589C1	WASHER,FLAT USE WITHE ENGINE SERIAL	1
				NUMBER 13064 AND UP.....	
28	XDFZZ	29510	670199C1	SLEEVE,NOZZLE.....	6
29	XDFZZ	29510	332109R11	GUIDE VALVE BRIDGE	12
30	XDFZZ	29510	277582R1	POST,VALVE HOUSING COVER.....	4
31	PFFZZ	29930	140483H	BOLT,HEX HEAD.....	2

END OF FIGURE